	National Aeronautics and					DATE	Feb	ruary 20, 2015
NASA	Space Administration CONT	RACTOR TRAN	SMITTAI	L SHEE	т 🗆			
-	John C. Stennis Space Center			_	-		SHEET	
	Stennis Space Center, MS 39529-6000					1	OF	1
	SECTION I - REQUEST FO	<u> </u>						
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,)R	CONT	FRACT NO.	Х	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COM	MPLIANCE		NNS	14AA30T		1	
	(See Instructions on Reverse)						RESUBMITT	
ГО	FROM		PREVIOUS TR		AL NO. (If Any)	TF	RANSMITTA	L NO.
(b)(4	4) HARRY PEPPER & ASS			0			286	
SPECIFICAT	ION AND SECTION NO. (Cover Only One Section With Each 7		ITLE AND LOC					
200H0-GA	04 02 82 33.13 20 Test Reports Lead in Air a	at Test Stan		SL430WFI	BOO-03 SOFT CO			_
	DESCRIPTION OF ITEM SUBMITTED				CONTRACT REF		VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURER		NO OF	DOCUM		(See	CODE
NO.	(See Instruction No. 3)	(See Instruction	No. 8)	COPIES	SPECIFICATION		Instruction	l ·
(a)	(b)	(c)		(d)	PARAGRAPH NO. (e)	SHEET NO. (f)	No. 6) (g)	No. 9 (h)
1	Test Reports: Lead in air at Test Stand and Chain	ОНС		3	3.4.1.1.c		-	1 -7
	of custody 2-14-15	· · · · · · · · · · · · · · · · · · ·	-	-	_	-	-	-
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				-		<u> </u>		<u>-</u>
REMARKS:	3 Hard Copies included.				t the above submitt re correct and in st			
				1	specifications exce			
					NAME AND SI	GNATURE O	F CONTRACTO	OR .
	SE	CTION II - APPROV	AL ACTION	J				
NCLOSURI	ES RETURNED (List by Item No.)	NAME, TITLE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		
						ļ		



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax (407) 599-5887 / (407) 599-9063 http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

02/19/15 10:56 AM

Collected:

2/14/2015

Project: Stennis

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S31 341501565-0001	2/14/2015 2/20/2015 Site: Outside Flame Buck	706 L set, Top Of Stairs	5.7 μg/m³	<5.7 μg/m³
S32 341501565-0002	2/14/2015 2/20/2015 Site: 20 Ft North Of Smok	708 L ke Tent On Tool Box	5.6 μg/m³	<5.6 μg/m³
S33 341501565-0003	2/14/2015 2/20/2015 Site: 7 Ft East Of Waste	708 L Container On Concrete Wall	5.6 μg/m³	<5.6 μg/m³
S34 341501565-0004	2/14/2015 2/20/2015 Site: East Pier Center So	696 L uth Door Opening	5.7 μg/m³	<5.7 μg/m³
S35 341501565-0005	2/14/2015 2/20/2015 Site: South Side Of B2 Te	698 L est Stand, Top OF Panel 10 Low	5.7 μg/m³	<5.7 μg/m³
S36 341501565-0006	2/14/2015 2/20/2015 Site: AQ/QC	0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/initer = ug/m3 x volume sampled (m3). OSHA PEL -50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. ""(" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 02/20/2015 12:16:40



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

LIVEL OIGHT ID (Lab 030 Oilly).

								•		
Company: OHC Environmenta						SL-Bill o is Differe	to: nt note inst	Î !		
Street: 5420 Bay Center Drive	Suite 10	0		Th	ird Party Bull	ing requi	res writter			W.
City: Tampa	State/P	rovince:	FL.		al Code: 3					•
Report To (Name): (b)(4)				Telephon	ıe#: 813-€	626-81	56		·	
Email Address: (b)(4)				Fax#: 8	313-623-67	702		Pur	chase Order:	1
Project Name/Number: Stennis				Please P	rovide Res	ults:	FAX		-mail	Mail
U.S. State Samples Taken: MS		*********					al/Taxab	le 🗍 Re	sidential/Tax	Exempt
	Tu	rnaround T	ime (TA							
3 Hour 6 Hour	■ 24		48 Hour		2 Hour	□96		[] 1 V	/eek	2 Week
*Analysis	complete	d in accordance	with EMS	L's Terms a	nd Conditions	s located	in the Pr	ce Guide		
Matrix		٨	lethod		Inst	trumen	t	Repor	ling Limit	Check
Chips % by wt. mg/cm²] ppm	SW	846-7000E	3	Flame Ato	omic Abs	orption	0.	01%	
Air		, VIC	OSH 7082		Flame Atomic Absorption		4 µ	g/filter		
		NIC	OSH 7105		Graphite Fumace AA		0.03	µg/filter		
		NIOSH	7300 mod	lified	ICP-A	ES/ICP-I	VIS	0.5	ug/filter	
Wipe* ASTM	무	sw	846-7000E	3	Flame Ato	omic Abs	orplion	10 µ	ıg/wip e	
non ASTM []		SW84	6-6010B o	r C	IC	P-AES		1.0 μ	ıg/wipe	
Wipe is assumed			6-7000B/7	010	Graphite Fumace AA			0.075	µg/wipe	
TCLP		SW846-131			Flame Ato		orption		7/L (ppm)	
		SW846-1131				P-AES			/L (ppm)	
Soit			846-7000E		Flame Ato				/kg (ppm)	
indus e 🍇			/846-7010 6-6010B o			e Fumac P-AES	e AA		/kg (ppm)	
			3/SW846-7		Flame Ato		omtion		kg (ppm) g/L (ppm)	
Wastewater Unpreserved			PA 200 9	0000		e Fumac			ng/L (ppm)	
Preserved with HNO₃pH < 2		EPA 200.7		ICP-AES		0.020 mg/L (ppm)				
Drinking Water Unpreserved		E	PA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)			
Preserved with HNO ₃ pH < 2		E	PA 200.8		ICP-MS				ng/L (ppm)	
TSP/SPM Filter			FR Part 5			P-AES			ıg/filter	
·		40 (FR Part 5	0	Graphite	e Fumac	e AA	3.6	ug/filter	
Other:		L			<u> </u>					
Name of Sampler: (b)(4)				Signa	ture of Sa					
Sample #	Locati	on	*********		Volum	e/Area	1		Date/Time S	ampled
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	}									
	V				1	į				ļ
Client Sample #'s	- 531 thr	u \$35	اــــــا	L		Total	# of Sa	mples:	5	
Relinquished (Client):			Date:	02/14	1/15		Time:		:00 pm	
(b)(4		4)			9/15				10:56 ar	
Received (Lab): Comments:			Date:	4/1	1113	1	Time:		U. 10 cur	<u>n</u>
Sternis space Center, Mississippi All samples take	an in the brea	thing zone at 2.0 l/m	Outside the B	-2 Test Sland						
		g m = + v v v		********						
										

Page 1 of 2 pages



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S31	Outside Flame Bucket, Top of Stairs	706L	2/14/15 8:39am/ 2:32pm
S32	20 Ft North of Smoke Tent on Tool Box	708L	2/14/15 8:41am/ 2;35pm
S33	7 Ft East of Waste Container on concrete wall	708L	2/14/15 8:44am/ 2:38pm
S34	East Pier Center South Door Opening	696L	2/14/15 8:55am/ 2:43pm
S35	South Side of 82 Test Stand, Top of panel 10 low pressure GH sample panel	698L	2/14/15 8:57am/ 2:46pm
S36	QA/QC	0L	2/14/15 0min
γ			
	pecial instructions:	.d	
stennis space Center	Mississippi All samples taken in the breathing zone at 2.0 Ym Outside the B-2 Test Star	и.	
· · · · · · · · · · · · · · · · · · ·			

Page 2 of 2 pages

	Nisting Assessed					DATE	Eob	ruary 23, 2015
	National Aeronautics and Space Administration				_	DAIL	ren	Tuary 25, 2015
NVASA	John C. Stennis Space Center	RACTOR TRAN	SMITTA	LSHEE	Т		SHEET	
	Stennis Space Center, MS 39529-6000					1		1
	SECTION I - REQUEST FO	OR APPROVAL (To	be Initiate	d by the	Contractor)		
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,	MATERIAL SAMPLES, C	DR	CON	TRACT NO.	Х	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COM			NINIC	14AA30T		ı	
	(See Instructions on Reverse)			ININO	14AASUT	0 .	RESUBMITT	AL
TO	FROM		PREVIOUS TR	ANSMITTA	AL NO. (If Any)	TĖ	RANSMITTA	L NO.
(b)	(4) HARRY PEPPER & ASS	OCIATES, INC.		0			287	
SPECIFICAT	ION AND SECTION NO. (Cover Only One Section With Each T	i	ITLE AND LOC					
200H0-GA	04 02 82 33.13 20 Lead Exposure Reports 2	-19 & 2-20-		SL430WFI	300-03 SOFT CO			T
	DESCRIPTION OF ITEM SUBMITTED				CONTRACT REF		VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURER		NO OF	DOCUM		(See	CODE
NO.	(See Instruction No. 3)	(See Instruction	No. 8)	COPIES	SPECIFICATION PARAGRAPH NO.	DRAWING SHEET NO.	No. 6)	(See Instruction No. 9
(a)	(b)	(c)		(d)	(e)	(f)	(g)	(h)
1	Lead Exposure Reports and Chain of Custody	ОНС		3	3.4.1.1.c	-	-	
-	2-19-15 & 2-20-15		-	-	-	-	-	_
-	-		-	-	_	-	1	-
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REMARKS:	3 Hard Copies included.				the above submitte re correct and in st			
				drawings &	specifications exce	ent as stated.		
								,
					NAME AND SI	GNATURE O	F CONTRACTO)R
	SEC	CTION II - APPROV	AL ACTION	<u> </u>				
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, TITLE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		
		1				Į.		



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Project: Stennis

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

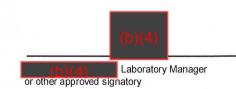
02/21/15 1:38 PM

Collected:

2/20/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume		RDL	Lead Concentration
S37 341501645-0001	2/19/2015 Site:	2/21/2015 b)(4)	478 L 256 Buck Hoist For Soft	t Core	8.4 µg/m³	<8.4 µg/m³
\$38 341501645-0002	2/20/2015 Site:	2/21/2015 (b)(4)	784 L 3470 Buck Hoist F	For Soft Core	5.1 μg/m³	<5.1 μg/m³
\$39 341501645-0003	2/20/2015 Site: QA/0	2/21/2015 QC	0 L		4.0 μg/filter	<4.0 μg/filter
S40 341501645-0004	2/19/2015 Site:	2/21/2015 b)(4) 22	730 L 256 Soft Core		5.5 µg/m³	<5.5 μg/m³
S41 341501645-0005	2/20/2015 Site:	2/21/2015 1/4 683	716 L Soft Core	8	5.6 μg/m³	<5.6 μg/m³
S42 341501645-0006	2/20/2015 Site:	2/21/2015 (b)(4)	704 L 7764		5.7 μg/m³	<5.7 μg/m³
S43 341501645-0007	2/20/2015 Site: 14th		650 L		6.2 µg/m³	<6.2 μg/m³
S44 341501645-0008	2/20/2015 Site: 16 FI	2/21/2015 Area	630 L		6.3 µg/m³	<6.3 μg/m³
S45 341501645-0009	2/20/2015 Site: 13 FI		616 L		6.5 µg/m³	<6.5 μg/m³
S46 341501645-0010	2/20/2015 Site: QA/0	2/21/2015 QC	0 L		4.0 μg/filter	<4.0 μg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 02/21/2015 15:01:47





Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887

FAX: (407) 599-9063

Company : Ol	HC Environmental Engir	eering, Inc	EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**						
	Bay Center Drive Suite 1		TH	nird Party Billing requ	iires writter	authoriza	tion from third o	artv	
City: Tampa	State	Province: FL		al Code: 33609			untry: United		
Report To (Na	me): (b)(4)	<u> </u>		ne #: 813-626-8	156		······································		
Email Address				813-623-6702		Pur	chase Order:		
	Number: Stennis							Mail	
	nples Taken: MS			les: Commerc	iai/Taxah	ole □ Re	sidential/Tax	Exempt	
		urnaround Time (TA							
☐ 3 Hour	■ 6 Hour □ 2	4 Hour 📗 48 Hour	7.	2 Hour 🔲 96	6 Hour	☐ 1 V	Veek 🔲	2 Week	
		ed in accordance with EMS	L's Terms a						
	Matrix	Method		Instrume		Reporting Limit		Check	
Chips □% b	y wt. mg/cm² ppm	SW846-7000E	3	Flame Atomic Ab	sorption	0	.01%		
Air		NIOSH 7082		Flame Atomic Absorption		4 μ	ıg/filter		
		NIOSH 7105		Graphite Furna			µg/filter		
		NIOSH 7300 mod		ICP-AES/ICP			µg/filter		
Wipe*	ASTM	SW846-7000E		Flame Atomic Ab			ug/wipe	_ــــــــــــــــــــــــــــــــــــــ	
*lf no box is	non ASTM s checked, non-ASTM	SW846-6010B o		ICP-AES			µg/wipe		
	Wipe is assumed	SW846-7000B/7		Graphite Furnace AA			µg/wipe	_ Ц	
TCLP		SW846-1311/7000B/S SW846-1131/SW846-6		Flame Atomic Ab			g/L (ppm)	- 片	
Soil	74 7 4 0	SW846-7000E		Flame Atomic Ab			g/L (ppm) /kg (ppm)		
3011		SW846-7010		Graphite Furna			g/kg (ppm)		
		SW846-6010B o		ICP-AES			kg (ppm)		
Wastewater	Unpreserved	SM3111B/SW846-7000B		Flame Atomic Ab	sorption	0.4 mg/L (ppm)			
	Unpreserved ☐ ith HNO₃ pH < 2 ☐	EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)			
		EPA 200.7		ICP-AES Graphite Furnace AA		0.020 mg/L (ppm) 0.003 mg/L (ppm)			
	ter Unpreserved ☐ ith HNO₃pH < 2 ☐	EPA 200.9 EPA 200 8		ICP-MS	CE AA		ng/∟ (ppm) ng/L (ppm)	_	
		40 CFR Part 5	0	ICP-AES			ug/filter		
TSP/SPM FII	ter	40 CFR Part 5	0	Graphite Furna	ice AA		µg/filter		
Other:				l					
Name of San	npler: (Signa	ture of Sample					
Sample #	Loçai	ion		Volume/Are	a /		Date/Time S	ampled	
	Ne	xt		Page					
S 37	(b)(4) 256 Bւ	ıck Hoist for Soft Core		478L		2	-19-15 2:15p	m6.14pm	
S38	(b)(4) 34	70 Buck Hoist for Soft Core		784L		2	-20-15 9:34a	m4 [.] 06pm	
S39	QA/0	JC		0L			2-20-15	0min	
· · · · · · · · · · · · · · · · · · ·									
Client Samp	le #'s	nru S35		Tota	al # of Sa	mples:	73		
Relinquished	d (Client): (b)	A) Date:	02/20)/15	Time:		:00 pm		
Received (Lat	o): (b)(4)	Date:	72	1/15	Time:	13	5 pm		
Comments:	(b)(4)		1		-				
Stennis space Center,	Mississippi All samples taken in the bro	eathing zone at 2.0 l/m							

Page 1 of ____ pages

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE (407) 599-5887 FAX: (407) 599-9063

	•	• •
3		
P		

										
	IC Environmental				EMSL-BIII If Bill to is Differ			ent / S Comments**	ame	}
Street: 5420 B	ay Center Drive S	Suite 10	0	Th	ird Party Billing requ	ires written	authoriz	ation from ti	nird par	rty
City: Tampa		State/P	rovince: FL	Zip/Posta	al Code: 33609			ountry: Un		
Report To (Nar	ne): (b)(4)			Telephon	re #: 813-626-81	156				
Email Address	(b)(4)			Fax #: {	313-623-6702		Pı	urchase O	rder:	
Project Name/I	Number: Stennis			Please P	rovide Results:	FAX		E-mail	M	Mail
U.S. State Sam	ples Taken: MS				les: 🔲 Commerc		le 🔲 F	Residential	/Tax l	Exempt
		Tu	rnaround Time (TA	T) Option	s* - Please Che	ck				
3 Hour	■ 6 Hour		Hour 48 Hou			Hour		Week	:	2 Week
		completed	d in accordance with EM	SL's Terms a					 T	Check
	Matrix		Method	·	Instrume	nt		orting Lin	m	Check
Chips 🗆 % by	/ wt. 🗌 mg/cm² 📋] ppm	SW846-7000	В	Flame Atomic Ab	sorption		0.01%		
Air			NIOSH 7082	2	Flame Atomic Ab	sorption		µg/filter		3
			NIOSH 710		Graphite Furnace AA			3 µg/filter		
	NIOSH 7300		NIOSH 7300 mo	dified	ICP-AES/ICP	-MS		5 µg/filter		
Wipe*	ASTM		SW846-7000		Flame Atomic Ab) µg/wipe		
*ìf no box is	non ASTM checked, non-ASTM		SW846-6010B	·	ICP-AES) µg/wipe	\dashv	_뷰-
	Wipe is assumed		\$W846-7000B/	7010	Graphite Furnace AA		0.075 μg/wipe			
TCLP	CLP		SW846-1311/7000B/SM 3111B		Flame Atomic Ab			0.4 mg/L (ppm)		_ -
			SW846-1131/SW846-0		ICP-AES			mg/L (ppm		╼┾┽╼┥
Soil		i	SW846-7000 SW846-701		Flame Atomic Ab Graphite Furna			ng/kg (ppn ng/kg (ppr		
			SW846-6010B		ICP-AES			g/kg (ppm		-
			SM3111B/SW846		Flame Atomic Ab	sorption		mg/L (ppm		
Wastewater	Unpreserved		EPA 200 9		Graphite Furna			mg/L (pp		
	ith HNO₃ pH < 2	ابا	EPA 200 7					mg/L (pp		
_	ter Unpreserved		EPA 200,9					3 mg/L (ppr		
Preserved wi	ith HNO_3 pH < 2	П	EPA 200.8		ICP-MS			1 mg/L (ppr	n)	╍┾┼╼╌┤
TSP/SPM File	ter		40 CFR Part		ICP-AES Graphite Furnace AA			2 µg/filter 6 µg/filter		
Other:			40 OF X 1 dit	-	Graptine Fame		 	o pgrinter		
Name of San	oplan (b)(4)		<u></u>	Signs	ature of Sample	p.	(b)(4)		
Sample #	ihier (n)(4)	Locati	On .	Olgin	Volume/Are		10/1	Date/Ti	me S	ampled
Vality is #		Nex			Page	·				
640	(1.) (1.)			ļ	730L			2-19-15)·25ai	m3:30pm
S40	(b)(4)		256 Soft Core		716L					m3:30pm
S41	(b)(4)	468	33 Soft Core	}						
S42	(6	<u>)(4)</u>	7764		704L					m3:32pm
S43		4th Fl.	Area	<u> </u>	650L		لــِــــــــــــــــــــــــــــــــــ):50ai	m3:15pm
Client Samp	le #'s	≖S31 thr	u \$35			al # of Sa	imples			
Relinquished	d (Client):	b)(4)	Date:	02/20	0/15	Time:		4:00 pm	<u> </u>	
Received (Lab	o):		Date:			Time:				
Comments:										
Stennis space Center,	Mississippi All samples take	en in the brea	athing zone at 2.0 l/m							

Page 1 of ____ pages



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S44	16 Fl Area	630L	2-20-15 10.02am3 17pm
S45	13th Fl Area	616L	2-20-15 10:12pm3:20pn
S46	QA/QC	OL	2-20-15 0mir
		 	
		 	
			-
_			
Comments/Special Ir	structions:		
tennis space Center, Mississippi	All samples taken in the breathing zone at 2.0 Vm		

Page 2 of 2 pages

s Space Center, MS 39529-6000 SECTION I - REQUEST F				T		SHEET	
SECTION I - REQUEST F					1		1
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(Type, Size, Model Number, etc.)	MANUFACTURER	OF ITEM	NO OF	DOCUM	ENT	(See	CODE
(See Instruction No. 3)	(See Instruction	No. 8)	COPIES	SPECIFICATION	DRAWING	Instruction	(See Instruction
(b)	(c)		(d)		SHEET NO.	No. 6)	No. 9 (h)
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NAME, TITLE, AND SIGNATURE OF APPROVING AUTHORITY

DATE

ENCLOSURES RETURNED (List by Item No.)



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

(b)(4)

OCCU56

CustomerPO: ProjectID:

Attn: (b)(4)

Tampa, FL 33609

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Phone: Fax: (813) 626-8156 (813) 623-6702

Received:

02/24/15 8:35 AM

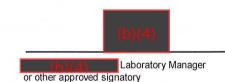
Collected:

2/23/2015

Project: Stennis

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW01	2/22/2015	2/24/2015	144 in²	10 μg/ft²	12 µg/ft²
341501705-0019	Site: Deco	n Wipe Decor	n Floor 13 Level		
SCGW02	2/23/2015	2/24/2015	144 in²	10 μg/ft²	140 µg/ft²
341501705-0020	Site: Leve	11 Floor Insid	de Work Area @ Decon Entrance		
SCGW03	2/23/2015	2/24/2015	144 in²	10 μg/ft²	160 µg/ft²
341501705-0021	Site: Outs	ide Decon Lev	el 11 Walkway Floor		
SCGW04	2/23/2015	2/24/2015	144 in²	10 μg/ft²	280 μg/ft²
341501705-0022	Site: Leve	l 11 Clean Roo	om in Decon	W.2.11 V 100	4

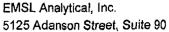


*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 02/24/2015 10:51:24







Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

							170% (407) 3	99-3000
Company: OF	IC Environmental Engine	ering, Inc.		EMSL-Bill If Bill to is Differe			ent Same Comments**	
Street: 5420 B	Bay Center Drive Suite 10	0	Th	ırd Party Billing requi	ires written	authoriz	ation from third p	arty
City: Tampa	State/P	rovince: FL	Zip/Postal Code: 33609 Country: United States					States
Report To (Na	me): (b)(4)		Telephone #: 813-626-8156					
Email Address	(b)(4)		Fax #: 8	313-623-6702		Pı	urchase Order:	
Project Name/	Number: Stennis		Please Pr	rovide Results:	FAX		E-mail	Mail
	nples Taken: MS		CT Samp	les: 🗌 Commerc	ial/Taxab	le 🗀 F	Residential/Tax	Exempt
		rnaround Time (TA						
☐ 3 Hour		Hour 48 Hour			Hour	□1	Week	2 Week
	*Analysis complete	d in accordance with EMS	L's Terms a	nd Conditions locate	d in the Pri	ice Guide)	
	Matrix	Method		Instrume	nt	Repo	orting Limit	Check
Chips 🗆 % b	y wt. 🗌 mg/cm² 🔲 ppm	SW846-7000E	3	Flame Atomic Abs	sorption		0.01%	
Air	<u> </u>	NIOSH 7082		Flame Atomic Abs	sorptian	4	µg/filter	×
		NIOSH 7105		Graphite Furnac	ce AA	0.0)3 μg/filter	
		NIOSH 7300 mod	lifled	ICP-AES/ICP-	MS	0.	5 µg/filter	
Wipe*	ASTM [SW846-7000E	3	Flame Atomic Abs	sorption	10) µg/wipe	
1	non ASTM 🗍	SW846-6010B o	or C	ICP-AES) μg/wipe	
1,110,204.10	Wipe is assumed	SW846-7000B/7	010	Graphite Furnac	ce AA	0.0	75 µg/wipe	
TCLP		SW846-1311/7000B/S	M 3111B	Flame Atomic Abs	sorption		mg/L (ppm)	
		SW846-1131/SW846-6	010B or C	ICP-AES		į	mg/L (ppm)	
Soil		SW846-70008		Flame Atomic Abs			ig/kg (ppm)	
		SW846-7010		Graphite Furna	ce AA		ng/kg (ppm)	
		SW846-6010B c SM3111B/SW846-		ICP-AES Flame Atomic Abs			g/kg (ppm) mg/L (ppm)	
Wastewater	Unpreserved []	EPA 200 9	70006	Graphite Furna			mg/L (ppm)	
Preserved wi	ith HNO₃ pH < 2 ☐	EPA 200.7		ICP-AES	56 AA		mg/L (ppm)	
Drinking Wa	ter Unpreserved	EPA 200 9		Graphite Furna	ce AA		3 mg/L (ppm)	
	ith HNO₃pH < 2 ☐	EPA 200.8		ICP-MS	,		1 mg/L (ppm)	
		40 CFR Part 5	50	ICP-AES		13	2 µg/filter	
TSP/SPM Fil	ter	40 CFR Part 5	50	Graphite Furna	ce AA	3.	6 µg/filter	
Other:								
Name of San	mpler (b)(4)		Signa	ature of Sample	r:		(b)(4)	
Sample #	Locati	on		Volume/Are	a /		Date/Time \$	Sampled
S47	(b)(4) Soft Core	Exterior South Clean-up	1	1150L ₍		1	2/21/15 8·20a	m 5:55pm
S48	(b)(4) 0842/ Soft Core	Exterior South Clean-up		1150L			2/21/15 8:20a	ım 5:55pm
S49	14th Fl Area sample prepa	aring above decon-w/a		1030L			2/21/15 8:40a	m 5:45pm
\$50	13th Fi Area sample prepa	rıng outside decon-w/a		1024L			2/21/15 8:428	m 5:46pm
S51	12th Fl Area sample prepa			1018L			2/21/15 8:448	m 5:47pm
Client Samp	le #'s - \$47 th	าม S65		Tota	l # of Sa	mples	:	
	(1) (4)	/ Date:	02/23		Time:	•	5:00 pm	
Relinquishe				2/24/15	Time:	8.,=	Sam	
Received (L		ite:		A Walt	i inne.	# W	45rcf	
	r, Mıssıssippi All samples taken in the bre:	athing zone at 2.0 l/m	345 2	Emile 1	0)(4)	4 m	45-20-	



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S52	Ground Level Area sample while cleaning	1226L	2/21/15 8:51am 7:04pm
S53	QA/QC	OL	2/21/15 0min
S54	(b)/4) 7607/ Soft Core Exterior South Clean-up	1192L	2/22/15 7:50am5:46pm
S55	(b)(4) 9075/ Soft Core Exterior South Clean-up	VOID	2/22/15 7:50amVOID
S56	10 Feet East of Vec Loader	1184L	2/22/15 8:03am 5:55pm
S57	In between both Dust Collectors	1022L	2/22/15 8:25am 5:56pm
S58	14th FI Area sample preparing above decon-w/a	1210L	2/22/15 8:40am 6:45pm
S59	13th Fl Area sample preparing outside decon entrance -w/a	1210L	2/22/15 8:41am 6:46pm
S60	12th FI Area sample preparing below decon-w/a	1210L	2/22/15 8:43am 6:48pm
S61	QA/QC	OL	2/22/15 0min
S62	14th Fl Area sample preparing above decon-w/a	400L	2/22/15 6:45pm 10 05am
S63	13th Fl Area sample preparing outside decon-w/a	408L	2/22/15 6·46pm 10:10am
S64	12th Fl Area sample preparing below decon-w/a	414L	2/2 2 5 6:48pm 10:15am
S65	(b)(A) 7667/ South Side Exterior Wipe Down	370L	2/22/15 6:55pm 10:00pm
	pecial Instructions: Mississippi All samples taken in the breathing zone at 2.0 l/m		

Page <u>**Z**</u> of <u>**3** pages</u>



Chain of Custody EMSL Order Number (Lab Use Only):

(b)(4)

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, N.: 08077

PHONE: (800) 220-3676 FAX:(856) 786-0262

Sample #	Sample Description	Volume/Area (Air) HA#(Bulk)	Date/Time Sampled
SCGWOI	Decon Wipe Decon Floor 13 Level	12" X 12"	2-22-15 210
	Level II Floor inside work Area		
SCGWOZ	@ the Decon Entrance	12× 12	223-15 110
SCGW03	outside Decon Level II Walk Way	124 12	2-23-15 ///
	Level 11 Clean Room IN Decon		
SCGW 04		124 12	2-23-15 114
· · · · · · · · · · · · · · · · · · ·			
	· ————————————————————————————————————		
			<u> </u>
*Comments/Special	Instructions:		

Analysis Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

3043

Controlled Document-OneChain-R3-11/8/2011

									
	National Aeronautics and Space Administration						DATE	Feb	ruary 25, 2015
NASA	CONTI	RACTOF	RTRAN	SMITTA	L SHEE	T		CULET	
	John C. Stennis Space Center Stennis Space Center, MS 39529-6000						1	SHEET OF	1
	SECTION I - REQUEST FO	OR ADDRO		he Initiate	d by the	Contractor		<u> </u>	1
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA		•			TRACT NO.	0	NEW SUBM	ITT A I
	MANUFACTURER'S CERTIFICATES OF COI	-	SAIVIPLES, C	'K	CON	INACI NO.	- 0	INEW SUBIVI	IIIIAL
	(See Instructions on Reverse)	IVIFLIANCE			NNS	14AA30T	x	RESUBMITT	Δ1
TO	FROM			PREVIOUS TE	LRANSMITTA	AL NO. (If Any)		RANSMITTA	
/b)/	HARRY PEPPER & ASS	SOCIATES, I	NC.	. 1121100011	0	(E 1107 (117 (117)		289	
SPECIFICATI	ION AND SECTION NO. (Cover Only One Section With Each 1			TLE AND LOC					
200H0-GA	·					300-03 SOFT CO	RE PAINTIN	IG	
	DESCRIPTION OF ITEM SUBMITTED					CONTRACT REF	ERENCE	VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	MANU	FACTURER	OF ITEM	NO OF	DOCUM	ENT	(See	CODE
NO.	(See Instruction No. 3)	(See	Instruction	No. 8)	COPIES	SPECIFICATION	DRAWING	Instruction	(See Instruction
(a)	(b)		(c)		(d)	PARAGRAPH NO.	SHEET NO.	No. 6)	No. 9
		ОНС	(0)		3	(e) 3.4.1.1.c	(f)	(g)	(h)
1	Air & Wipe Reports and Chain of Custody	Unc			3	3.4.1.1.0	-	-	
-	2-23-15 & 2-24-15			=	-	-	-	-	-
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	-			-	-	-	-	-	-
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,	-			-	-	-	-	-	_
REMARKS:	3 Hard Copies included.					the above submitt			
						specifications exce		ice with the to	niti act
						NAME AND SI	GNATURE O	F CONTRACTO	i OR
	SE	CTION II -	APPROV	AL ACTION	 !				
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, TITL	E, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		
	, ,								
		1							



11931 Industriplex, Suite 100, Baton Rouge, LA 70809

Phone/Fax: (225) 755-1920 / (225) 755-1989

http://www.EMSL.com

batonrougelab@emsl.com

EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

Attn:

Project: Stennis

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax:

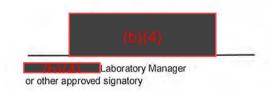
(813) 626-8156 (813) 623-6702 02/24/15 9:25 AM

Received: Collected:

2/23/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S66 251501027-0001	2/23/2015 2/24/2015 Site: (b)(4)	830 L oft Core int. 19th fl	4.8 μg/m³	140 μg/m³
S67 251501027-0002	2/23/2015 2/24/2015 Site: (b)(4)	810 L Soft Core int. 19th fl	4.9 μg/m³	<4.9 μg/m³
S68 251501027-0003	2/23/2015 2/24/2015 Site: 14th FI Area above	600 L decon-w/a	6.7 μg/m³	<6.7 μg/m³
S69 251501027-0004	2/23/2015 2/24/2015 Site: 13th FI Area outsid	600 L e decon-w/a	6.7 μg/m³	<6.7 µg/m³
S70 251501027-0005	2/23/2015 2/24/2015 Site: 12th FI Area below	570 L decon-w/a	7.0 µg/m³	<7.0 μg/m³
S71 251501027-0006	2/23/2015 2/24/2015 Site: 10' from Vec Loade	730 L er	5.5 μg/m³	<5.5 μg/m³
S72 251501027-0007	2/23/2015 2/24/2015 Site: Area Between the	730 L Dust Collector	5.5 µg/m³	<5.5 μg/m³
573 251501027-0008	2/23/2015 2/24/2015 Site: 9th Floor outside u	700 L nder PASI work area	5.7 μg/m³	<5.7 μg/m³
S74 251501027-0009	2/23/2015 2/24/2015 Site: QA/QC	0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 02/24/2015 15:54:00



11931 Industriplex, Suite 100, Baton Rouge, LA 70809

(225) 755-1920 / (225) 755-1989

http://www.EMSL.com

batonrougelab@emsl.com

EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

02/24/15 9:25 AM

Collected:

2/23/2015

Project: Stennis

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed	Area Sampled	RDL	Lead Concentration
SCGW 04 251501027-0010	2/23/2015 2/24/2015 Site: 13th FL Clean Roor	144 in² n	10 µg/ft²	57 μg/ft²
SCGW 05 251501027-0011	2/23/2015 2/24/2015 Site: 11th FL Clean Roor	144 in² n	10 μg/ft²	56 μg/ft²
SCGW 06 251501027-0012	2/23/2015 2/24/2015 Site: 11th FL Outside Cle	144 in² ean Room	10 μg/ft²	270 μg/ft²
SCGW 07 251501027-0013	2/23/2015 2/24/2015 Site: S Side Ground Leve	144 in² el/Fan E of Door	10 μg/ft²	190 μg/ft²
SCGW 08 251501027-0014	2/23/2015 2/24/2015 Site: S Side Ground Leve	144 in² el/Plate May	10 μg/ft²	64 μg/ft²
SCGW 09 251501027-0015	2/23/2015 2/24/2015 Site: S Side Ground Leve	144 in²	10 µg/ft²	52 μg/ft²

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 02/24/2015 15:54:00



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804
PHONE (407) 599-5887
FAX (407) 599-9063

	•									TAX (407) 59:	1-2003	
Company : OH	C Environmenta	l Engine	ering, In	C.		EN If Bill	1SL-Bill to is Differe	to:	Differe ructions in	ent / Sa Comments**	ame		
Strapt: 5420 B	ay Center Drive	Suite 10	0		7,	ind Party R	illina mauu	res written	authoriza	ation from th	ırd pa	rtv	ı
City: Tampa		r	rovince:	FL		al Code:		ou winter		untry: Uni			7
	(b)(4)	Otaton				ne #: 813		56					7
Report To (Nar									T 5				٦
Email Address						813- <u>623</u> -		7 778		rchase Or		Mail	\dashv
	Number: Stennis					rovide Re		FAX		<u></u>			{
U.S. State Sam	ples Taken: MS								ole □ R	esidential.	Тах	Exempt	ᅴ
				nd Time (TA									\dashv
🔲 3 Hour) (4 🔳 6 Hour		Hour	☐ 48 Hou	. –	2 Hour		Hour	_	Week	:	2 Week	ᅴ
		complete	d in accord	lance with EMS	SL's Terms a				ce Guiae	rting Lim	:4	Check	爿
	Matrix			Method			strume			<u>-</u>	1/1	Cilecr	닉
Chips 🔲 % by	y wt. 🗌 mg/cm² [☐ ppm		SW846-7000	В	Flame A	Atomic Abs	orption		0 01%	_		4
Air				NIOSH 7082	2		Atomic Abs	<u>:</u>		µg/filter	_	<u> </u>	╝
				NIOSH 7105			ite Furnac -AES/ICP-			3 µg/filter		-	ᆌ
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Wipe*	ASTM non ASTM	₹ 1	—	SW846-7000 SW846-6010B		riame A	Atomic Abs	orpuon		µg/wipe) µg/wipe	\dashv		
*if no box is	checked, non-ASTM Wipe is assumed	ы		W846-7000B/		Graph	nite Furnac	e AA		/ μg/wipe	,		- (
TCLP			SW846	5-1311/7000B/	SM 3111B	Flame /	Atomic Abs	sorption		ng/L (ppm			
TOE!				1131/SW846-			ICP-AES			ng/L (ppm			J
Soil				SW846-7000	В	Flame A	Atomic Abs	sorption		ıg/kg (ppm			\Box
				SW846-701		Grapi	nite Furna	ce AA		ng/kg (ppn			
				W846-6010B			ICP-AES			g/kg (ppm			ᅴ
Wastewater	Unpreserved	П	ŞM:	3111B/SW846			Atomic Abs			ng/L (ppm		_ 	
	th HNO ₃ pH < 2			EPA 200.9 EPA 200.7		Grapi	nte Furna	JE AA		mg/L (ppi mg/L (ppi		_ 🛱 -	ㅓ
Drinking Wat	ter Unpreserved		<u> </u>	EPA 200.7		Grapi	nite Furna	ce AA		mg/L (ppn	_		┪
	th HNO ₃ pH < 2			EPA 200 8		1	ICP-MS			mg/L (ppn			
				40 CFR Part	50		ICP-AES			⊵ μg/filter			
TSP/SPM Filt	ter			40 CFR Part	50	Grapi	nite Furna	ce AA	3.6	β µg/filter			_
Other:			<u></u>			<u> </u>			L				_
Name of San	npler: Mark Fohn				Sign	ature of							_
Sample #		Locati	on		_		<u>ime/Are</u>	a		Date/Tir			_
S66	(b)(4)	Soft Core	interior 19	th fl Clean-up			330L			2/23/15 9:	40an	16.35p	mc
S67	(b)(4)	Soft Core	interior 19	th fl Clean-up			310L			2/23/15 9:	45an	16:30p	mc
S68	14th Fl Area	sample	above	decon-w/a		(600L			2/23/15 10	05ar	n 15 [.] 55	pm
S69	13th Fl Area s	sample	outside	decon-w/a			600L			2/23/15 10	10ar	n 15:50;	pm
S70	12th Fl Area	sample	below	decon-w/a			570L			2/23/15 10)·15aı	n 16:00 _l	pm
Client Samp	le #'s	- S66 th	ານ \$74 / \$C	GW04 THRU SC	GW09		Tota	1# of S	amples				
Relinquished	d (Client):			Date:	02/2	4/15		Time:		7:30 pm	1		
Received (Lat				Date:	2/	24/1	5	Time:		9:25	as	<u>X</u>	
Comments: Stennis space Center,	Mississippi All samples tal	ken in the bre	athing zone at	2.0 Vm									<u> </u>

Page 1 of ____ pages



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887

FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S71	10 feet from Vec Loader	730L	2/23/15 10 40am 16 45pm
S72	Area Between the Dust Collector	730L	2/23/15 10:40am 16:45pm
S73	9th Floor outside under the PASI work area	700L	2/23/15 10:50am 16:40pm
S74	QA/QC	OL	2/23/15 0min
			:
SCGW 04	13TH FL CLEAN ROOM	12X12 AREA	2/23/15
SCGW 05	11TH FL CLEAN ROOM	12X12 AREA	2/23/15
SCGW 06	11TH FL OUTSIDE CLEAN ROOM	12X12 AREA	2/23/15
SCGW 07	SOUTH SIDE GROUND LEVEL / FAN EAST OF DOOR	12X12 AREA	2/23/15
SCGW 08	SOUTH SIDE GROUND LEVEL / PLATE MAY	12X12 AREA	2/23/15
SCGW 09	SOUTH SIDE GROUND LEVEL /	12X12 AREA	2/23/15
-	Decial Instructions: Mississippi All samples taken in the breathing zone at 2.0 Vm		
Stennis space Center.	Mississippi All samples taken in the breathing zone at 2.0 l/m		

 $\mathsf{Page}\, \underline{2} \quad \mathsf{of}\, \underline{2} \quad \mathsf{pages}$

	National Aeronautics and					DATE	Feb	ruary 26, 2015
NASA	Space Administration CONT	RACTOR TRAN	SMITTA	L SHEE	T			
	John C. Stennis Space Center Stennis Space Center, MS 39529-6000					4	SHEET	4
		OD ADDDOVAL /T-	h - 1-141-4-			1	OF	1
	SECTION I - REQUEST FO	•						
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA	•	OR	CON	TRACT NO.	0	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COI	MPLIANCE		NNS	14AA30T		l	
TO	(See Instructions on Reverse) FROM		IDDEL (IQUIC TE	L A NICK AITT	A1 A10 ((C +)		RESUBMITT	
10		COCIATES INC	PREVIOUS II		AL NO. (If Any)	11	RANSMITTA	L NO.
(b)(4	HARRY PEPPER & ASS		TI E AND LOG	0			290	
200HO-GA	ION AND SECTION NO. (Cover Only One Section With Each 7 02 82 33.13 20 Air & Wipe Reports colle		ITLE AND LOC		B00-03 SOFT CO	RE PAINTIN	IG	
	DESCRIPTION OF ITEM SUBMITTED				CONTRACT REF	ERENCE	VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURER	OF ITEM	NO OF	DOCUM	ENT	(See	CODE
NO.	(See Instruction No. 3)	(See Instruction	No. 8)	COPIES	SPECIFICATION	DRAWING	Instruction	(See Instruction
(a)	(b)	(c)		(d)	PARAGRAPH NO.		No. 6)	No. 9
1	Air & Wipe Reports and Chain of Custody	ОНС		3	(e) 3.4.1.1.c	(f)	(g) -	(h)
	collected 2-24-15	Offic		3	3.4.1.1.0	-	-	
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REMARKS:	3 Hard Copies included.				the above submitt re correct and in sti			
					sp <u>ecifications, exce</u>		ice with the co	Titl act
					NAME AND SI	GNATURE O	F CONTRACTO	DR
	SEC	CTION II - APPROV	AL ACTION	<u> </u>				
ENCLOSURE	S RETURNED <i>(List by Item No.)</i>	NAME, TITLE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		



11931 Industriplex, Suite 100, Baton Rouge, LA 70809

Phone/Fax: (225) 755-1920 / (225) 755-1989

http://www.EMSL.com

batonrougelab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis

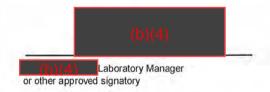
(813) 626-8156 Phone: (813) 623-6702 Fax: 02/25/15 9:30 AM Received:

Collected:

2/24/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S74A 251501060-0001	2/23/2015 2/25/2015 Site: 13th FI Area above	2270 L e decon-w/a	1.8 μg/m³	<1.8 µg/m³
S75 251501060-0002	2/23/2015 2/25/2015 Site: 14th FI Area above	2262 L e decon-w/a	1.8 µg/m³	<1.8 µg/m³
S76 251501060-0003	2/23/2015 2/25/2015 Site: 12th FI Area above	2254 L e decon-w/a	1.8 μg/m³	<1.8 µg/m³
S77 251501060-0004	2/24/2015 2/25/2015 Site: (h)/(4) 90	870 L 75	4.6 μg/m³	<4.6 µg/m³
S78 251501060-0005	2/24/2015 2/25/2015 Site: 7/5)(4) 760	870 L 7	4.6 μg/m³	<4.6 µg/m³
S79 251501060-0006	2/23/2015 2/25/2015 Site: 14th FI Area above	1054 L e decon-w/a	3.8 μg/m³	<3.8 µg/m³
S80 251501060-0007	2/23/2015 2/25/2015 Site: 13th FI Area outsid	1054 L de decon-w/a	3.8 µg/m³	<3.8 µg/m³
S81 251501060-0008	2/23/2015 2/25/2015 Site: 12th FI Area below	1054 L decon-w/a	3.8 µg/m³	<3.8 µg/m³
S82 251501060-0009	2/24/2015 2/25/2015 Site: 10' from Vec Load	1106 L er	3.6 µg/m³	<3.6 µg/m³
S83 251501060-0010	2/24/2015 2/25/2015 Site: Area Between Dus	1106 L st Collector	3.6 µg/m³	<3.6 µg/m³



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL -50 µg/m3 OSHA action level -30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. """ (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 02/25/2015 15:20:41

Test Report PB w/RDL-7.32.3 Printed: 2/25/2015 3:20:41 PM



11931 Industriplex, Suite 100, Baton Rouge, LA 70809

Phone/Fax: (225) 755-1920 / (225) 755-1989

http://www.EMSL.com

batonrougelab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis

Phone: (813) 626-8156 (813) 623-6702 Fax: Received: 02/25/15 9:30 AM

Collected: 2/24/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed Area Samp	pled RDL	Lead Concentration
SCGW 10 251501060-0011	2/24/2015 2/25/2015 144 in Site: 13th FL Clean Room	2 10 μg/ft²	75 µg/ft²
SCGW 11 251501060-0012	2/24/2015 2/25/2015 144 in: Site: Outside 13th FL Clean Room	2 10 μg/ft²	230 µg/ft²
SCGW 12 251501060-0013	2/24/2015 2/25/2015 144 in Site: 11th FL Clean Room	2 10 μg/ft²	110 µg/ft²
SCGW 13 251501060-0014	2/24/2015 2/25/2015 144 in	2 10 μg/ft²	170 µg/ft²
SCGW 14 251501060-0015	2/24/2015 2/25/2015 144 in: Site: Brown Tool Box 50' E of B Stan	7	1300 µg/ft²
SCGW 15 251501060-0016	2/24/2015 2/25/2015 144 in: Site: Magnum Lite Stand 25' N of B S		13 µg/ft²
SCGW 16 251501060-0017	2/24/2015 2/25/2015 144 in Site: P&H Crane 45' N of -B Stand E		38 µg/ft²
SCGW 17 251501060-0018	2/24/2015 2/25/2015 144 in Site: JLG Scissor Lift 25' W of B Sta		180 µg/ft²
SCGW 18 251501060-0019	2/24/2015 2/25/2015 144 in Site: Glenn Crane Rigging	2 10 μg/ft²	19 µg/ft²
SCGW 19 251501060-0020	2/24/2015 2/25/2015 144 in Site: Volvo Excavator ECR38	2 10 μg/ft²	16 µg/ft²
SCGW 20 251501060-0021	2/24/2015 2/25/2015 144 in: Site: Broderson Crane	2 10 μg/ft²	160 µg/ft²

aboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in yg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 02/25/2015 15:20:41



11931 Industriplex, Suite 100, Baton Rouge, LA 70809

Phone/Fax: (225) 755-1920 / (225) 755-1989

http://www.EMSL.com

batonrougelab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis

Phone: (813) 626-8156 (813) 623-6702 Fax: 02/25/15 9:30 AM Received:

Collected:

2/24/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Ar	nalyzed Area Sampled	RDL	Lead Concentration
SCGW 21 251501060-0022		5/2015 144 in² liller Big Blue 300 Pro	10 μg/ft²	40 μg/ft²
SCGW 22 251501060-0023	2/24/2015 2/2 Site: Allmand L	5/2015 144 in² .ite Stand	10 µg/ft²	<10 µg/ft²
SCGW 23 251501060-0024		5/2015 144 in² Lite Stand-2861	10 µg/ft²	<10 µg/ft²

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "c" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 02/25/2015 15:20:41



Lead (Pb) Chain of Custody

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX. (407) 599-9063

EMSL Order	ID (Lá	ab Use Only):	

Company . OH	ompany : OHC Environmental Engineering, Inc.					EMSL-Bill to: Different ✓ Same If Bill to is Different note instructions in Comments**						
Street 5420 Ba	ay Center Drive Suite	e 100			Thi	rd Party Billin						nty
City: Tampa				FL		Code: 33				Country: U		
Report To (Nan	ne): (b)(4)				Telephon	e #: 813-6	26-815	6				
Email Address					Fax#; 8	13-623-67	02		P	urchase C	order:	
	lumber: Stennis				Please Pr	ovide Resu	ılts:	FAX	√	E-mail		Mail
	ples Taken: MS					es: 🗌 Con			le 🔲	Residentia	I/Tax	Exempt
		Tur	naround T					1				
3 Hour	(4 🔳 6 Hour] 24 H		48 Hour		Hour	☐ 96			1 Week		2 Week
	*Analysis com	pietea i		<i>e with Eivi</i> S Viethod	LS TEITIIS AI		rumen		Rep	orting Lir	nit T	Check
Chins □ % by	wt. mg/cm² pp	<u></u>		/846-7000E	3	Flame Ato		——		0.01%		
		-		OSH 7082		Flame Ato				4 µg/filter		<u> </u>
Air		-		OSH 7105	.,	Graphite	_			03 µg/filte		-
				7300 mod			S/ICP-I			.5 µg/filter		
Wipe*	ASTM		SW	/846-7000E	3	Flame Ato	mic Abs	orption	1	0 μg/wipe		35
	non ASTM	<u> </u>	SW84	46-6010B c	or C	IC	P-AES		1.	.0 µg/wipe	;	
"if no box is	checked, non-ASTM Wipe is assumed	_ <u> </u>	SW846-7000B/701		010	Graphite Furnace AA		e AA	0.0)75 µg/wip	е	
TCLP	L			11/7000B/S		Flame Ato		orption		mg/L (ppi		
	SW846-1131/SW846-						P-AES			mg/L (ppi		
Soil		-		V846-7000E V846-7010		Flame Ato Graphite				mg/kg (pp mg/kg (pp		-
		H		46-6010B c			P-AES	-		ng/kg (ppr		
184 - 4	Usassas m		SM3111	B/SW846-	7000B	Flame Ato	mic Abs	orption		mg/L (ppi		
Wastewater Preserved with	Unpreserved \square th HNO ₃ pH < 2 \square		EPA 200.9			Graphite		e AA		3 mg/L (p		- -
		<u>_</u>	EPA 200 7		ICP-AES Graphite Furnace AA		0.020 mg/L (ppm) 0.003 mg/L (ppm)		- - 			
	er Unpreserved ☐ th HNO₃pH < 2 ☐	┟	EPA 200.9 EPA 200.8			ICP-MS		0.003 mg/L (ppm)				
		寸	40	CFR Part 5	50	ICP-AES				12 µg/filter		
TSP/SPM Filt	er		40	CFR Part 5	50	Graphite	Furnac	e AA	3	3 6 µg/filter		
Other:						L				(1.) (.4)		
Name of Sam					Signa	ture of Sa				(b)(4)	ina a C	ampled
Sample #		catio				Volum		-		1		iampled pm 10:45am
S74A	13th Fl Area sam	·					70L					
S75	14th Fl Area sam	ple a	above dec	on-w/a			32L			 		pm 10:46am
S76	12th Fl Area sam	ple a	above dec	on-w/a		22	54L			2/23-24/15	5 16:00 ———	pm 10.47am
S77	(b)(4) 9075/ So	ft Core	interior 19th f	f Clean-up		87	'OL			2/24/15 1	0:35a	m 17:50pm
S78			interior 19th f			87	OL			<u> </u>		m 17:50pm
Client Sampl	e #'s -5	574A thr	น \$83 / SCGW	/10 THRU SC	_		Tota	# of Sa	ample			14 WIPES
Relinguished	i (Client):			Date:	02/25	5/15		Time:		7:30 aı	ຠ	
Received (Lab); (b) (4)			Date:	2/2	5/15		Time:		9:30	DAN	<u> </u>	
Comments:	PLEASE SEND	o I	12 THE	rue Resuc	RZSGUTS TS Am	et i		(D)(4)				
Ì												

Page 1 of ____ pages





LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE (407) 599-5887 FAX: (407) 599-9063

(b)(4)

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S79	14th Fl Area sample above decon-w/a	1054L	2/23/15 10:45am 19 32pm
S80	13th Fl Area sample outside decon-w/a	1054L	2/23/15 10:46am 19:33pm
S81	12th Fl Area sample below decon-w/a	1054L	2/23/15 10:47am 19:34pm
S82	10 feet from Vec Loader	1106L	2/24/15 11 18am 20:31pm
S83	Area Between the Dust Collector	1106L	2/24/15 11:19am 20:32pm
SCGW 10	13TH FL CLEAN ROOM	12X12 AREA	2/24/15
SCGW 11	OUTSIDE 13TH FL CLEAN ROOM	12X12 AREA	2/24/15
SCGW 12	11TH FL CLEAN ROOM	12X12 AREA	2/24/15
SCGW 13	11TH FL OUTSIDE CLEAN ROOM	12X12 AREA	2/24/15
SCGW 14	BROWN TOOL BOX 50' EAST OF B STAND ENTRANCE	12X12 AREA	2/24/15
SCGW 15	MAGNUM LITE STAND 25' NORTH OF B STAND ENTRANCE	12X12 AREA	2/24/15
SCGW 16	P&H CRANE 45' NORTH OF B STAND ENTRANCE	12X12 AREA	2/24/15
SCGW 17	JLG SCISSOR LIFT 25' WEST OF B STAND ENTRANCE	12X12 AREA	2/24/15
SCGW 18	GLENN CRANE RIGGING	12X12 AREA	2/24/15
SCGW 19	VOLVO EXCAVATOR ECR38	12X12 AREA	2/24/15
SCGW 20	BRODERSON CRANE	12X12 AREA	2/24/15
SCGW 21	SUNBELT MILLER BIG BLUE 300 PRO	12X12 AREA	2/24/15
SCGW 22	ALLMAND LITE STAND	12X12 AREA	2/24/15
Comments/Sp	pecial Instructions:		

Page 2 of 2 pages



Chain of Custody

EMSI ANALYTICAL, INC. 200 ROUTE 130 NOFTH CINNAMINSON, NJ 08077

PHONE: (800) 226-3676 FAX(856) 786-0262

	EMSL Order Number (EMSL Order Number (Lab Use Only).							
,		(b)(4)							

Sample #		Sample De	scription		Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
SCGW 23	MAGNUM	LITTE 5	TAND	-2861	12 × 12	2/24/15
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Comments/Special	instructions:		·····			

								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	National Aeronautics and					DATE	Feb	ruary 27, 2015
NASA	Space Administration CONTR	RACTOR TRAN	SMITTAI	LSHEF	Т			
	John C. Stennis Space Center		J		•		SHEET	_
	Stennis Space Center, MS 39529-6000					1	OF	1
	SECTION I - REQUEST FO	OR APPROVAL <i>(To</i>	be Initiate	d by the	Contractor,			
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,	MATERIAL SAMPLES, C)R	CON	TRACT NO.	0	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF CON	MPLIANCE		NNS	14AA30T		Ī	
.45	(See Instructions on Reverse)		I	L		Х	RESUBMITT	
TO	FROM		PREVIOUS TR	RANSMITT	AL NO. (If Any)	TF	RANSMITTA	.L NO.
(b)(·	4) HARRY PEPPER & ASS			0			292	
SPECIFICAT	ION AND SECTION NO. (Cover Only One Section With Each T		TLE AND LOCA					
200H0-GA	04 02 82 33 .13 Wipe Samples Collected fro	m Brown T		SL430WFI	B00-03 SOFT CO			
	DESCRIPTION OF ITEM SUBMITTED				CONTRACT REF		VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURER	_	NO OF	DOCUM		(See	CODE
NO.	(See Instruction No. 3)	(See Instruction	No. 8)	COPIES	SPECIFICATION PARAGRAPH NO.	DRAWING SHEET NO.	Instruction No. 6)	(See Instruction No. 9
(a)	(b)	(c)		(d)	(e)	(f)	(g)	(h)
1	Wipe Sample Collected from Brown Tool Box	ОНС		3	3.4.1.1.c	-	-	
-	-		-	-	-	-	-	-
_	-		-	-	-	-	-	-
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-	-		-	-	-	-	-	-
REMARKS:	3 Hard Copies included.				t the above submitt re correct and in st			
				drawings &	specifications, exce	ept as stated.		_
				ŀ	NAME AND SI	GNATURE O	F CONTRACTO	OR .
	SEC	CTION II - APPROV	AL ACTION	j				
ENCLOSURI	ES RETURNED (List by Item No.)	NAME, TITLE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		



11931 Industriplex, Suite 100, Baton Rouge, LA 70809

Phone/Fax: (225) 755-1920 / (225) 755-1989

http://www.EMSL.com

batonrougelab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

02/26/15 10:00 AM

Collected:

2/26/2015

Project: Stennis

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW24	2/26/2015	2/26/2015	144 in²	10 μg/ft²	69 μg/ft²
251501084-0001	Site: Brow	n Tool Box 50'	E of B Stand Entrance		





Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE (407) 599-5887 FAX: (407) 599-9063

					1 70. (40	17) 599-9063		
Company : OHC Environmental Engin			EMSL-Bill If Bill to is Differe		Different 🗸 S			
Street: 5420 Bay Center Drive Suite 1		Third Party Billing requires written authorization from third party						
	Province: FL	Zip/Postal Code: 33609 Country: United States						
Report To (Name): (b)(4)		Telephon	e#: 813-626-81	56				
Email Address: (h)(4)			313-623-6702		Purchase O	order:		
Project Name/Number: Stennis			rovide Results:	FAX		Mail		
U.S. State Samples Taken: MS			les: Commerc	ial/Tayah	le 🗆 Residentia	//Tax Exempt		
	urnaround Time (TA				10 () 1100.001.110	A COLUMN TO THE PARTY OF THE PA		
	4 Hour			Hour	☐ 1 Week	2 Week		
b)(4 *Analysis complete	ed in accordance with EMS				_			
Matrix	Method		Instrume		Reporting Lin	nit Check		
Chips 🗌 % by wt 🔲 mg/cm² 🔲 ppm	SW846-7000	В	Flame Atomic Abs	sorption	0.01%			
Air	NIOSH 7082		Flame Atomic Abs	sorption	4 µg/filter			
	NIOSH 7105	5	Graphite Furnac	ce AA	0 03 µg/filte			
	NIOSH 7300 mod	dified	ICP-AES/ICP-	MS	0.5 µg/filter			
Wipe* ASTM ☑	SW846-7000	В	Flame Atomic Abs	sorption	10 μg/wipe	×		
non ASTM [] *if no box is checked, non-ASTM	SW846-6010B	or C	ICP-AES		1.0 µg/wipe	,		
Wipe is assumed	SW846-7000B/7	'01 0	Graphite Furnac	ce AA	0.075 µg/wip	e 📗		
TCLP	SW846-1311/7000B/S	M 3111B	Flame Atomic Abs	sorption	0.4 mg/L (ppr			
<u> </u>	SW846-1131/SW846-6		ICP-AES		0.1 mg/L (ppr			
Soil	SW846-7000		Flame Atomic Abs		40 mg/kg (ppi			
	SW846-7010		Graphite Furna	ce AA	0.3 mg/kg (pp			
	SW846-6010B (SM3111B/SW846-		Flame Atomic Ab	orntion	2 mg/kg (ppn 0.4 mg/L (ppr			
Wastewater Unpreserved	EPA 200.9	Graphite Furnace AA		0.003 mg/L (pp				
Preserved with HNO₃ pH < 2 □	EPA 200 7	ICP-AES		0.020 mg/L (pr				
Drinking Water Unpreserved	EPA 200.9		Graphite Furnace AA		0.003 mg/L (pp	m)		
Preserved with HNO₃ pH < 2 □	EPA 200.8		ICP-MS		0 001 mg/L (pp			
TSP/SPM Filter	40 CFR Part		ICP-AES		12 µg/filter			
Other:	40 CFR Part 9	50	Graphite Furnace AA		3.6 µg/filter	- - -		
Name of Sampler: (b)(4)		Signa	ture of Sample	r:	(b)(4)			
Sample # Loca	tion	1 4.3	Volume/Are		Date/Ti	ime Sampled		
SCGW24 Brown Tool Box 50' East			12x12	7	2/26/	15 8:00am		
Brown 100 Ben of East								
		 						
Client Sample #'s - 1		<u> </u>	Tota	l#of\$	amples:			
Relinguished (Client):	Date:	02/26		Time:	0.00	n		
(b)(1)		26/15	Time:	10:00			
Received (Lab): Comments:	Date:	_ 10/6	X(0//)	l liwe:		1011		
	-							

Page 1 of pages

Courier

					_				
	National Aeronautics and						DATE	Feb	ruary 27, 2015
NPASA	Space Administration	RACTOF	R TRAN	SMITTAI	SHFF	T			
	John C. Stennis Space Center	MCI OI				•		SHEET	
	Stennis Space Center, MS 39529-6000						1	OF	1
	SECTION I - REQUEST FO	OR APPRO	OVAL (To	be Initiate	d by the	Contractor))		
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,	MATERIAL	SAMPLES, C)R	CONT	FRACT NO.	0 NEW SUBMITTAL		
	MANUFACTURER'S CERTIFICATES OF COM	MPLIANCE			NNS	14AA30T		Ī	
	(See Instructions on Reverse)				_			RESUBMITT	
ТО	FROM			PREVIOUS TR		AL NO. (If Any)	TF	RANSMITTA	L NO.
(b)(HARRY PEPPER & ASS	OCIATES, I			0	MAL		293	
SPECIFICAT	ION AND SECTION NO. (Cover Only One Section With Each T		PROJECT TI	TLE AND LOCA					
200H0-GA	02 82 33 .13 Wipe Samples Collected 2-2	26-15			SL430WFI	B00-03 SOFT CO			T
	DESCRIPTION OF ITEM SUBMITTED				NO OF	CONTRACT REF		VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	A, MATERIAL SAMPLES OMPLIANCE SSOCIATES, INC. Transmittal -26-15		UFACTURER OF ITEM		DOCUM	r	(See	CODE
NO.	(See Instruction No. 3)	(See	Instruction	No. 8)	COPIES	SPECIFICATION	l		(See Instruction
(a)	(b)		(c)		(d)	PARAGRAPH NO. (e)	SHEET NO. (f)	No. 6) (g)	No. 9 (h)
1	Wipe Sample Collected and Chain of Custody	ОНС			3	3.4.1.1.c	-		, ,
	from 2-26-15			-	-	_	-	-	-
	-				-	_	_	-	-
_	-			-	-	-	-	-	-
	-			-	-	-	-	-	-
-				-	-	-	_	-	-
_	-			_	-	-	-	-	-
-	<u>-</u>			-	-	-	_	-	_
REMARKS:	3 Hard Copies included.				1 '	t the above submitt re correct and in st			
					drawings &	specifications exce	ent as stated.		
						NAME AND SI	IGNATURE O	F CONTRACTO	OR
	SEG	CTION II -	APPROV	AL ACTION	j				
ENCLOSURI	ES RETURNED (List by Item No.)	NAME, TIT	LE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		
		1							



11931 Industriplex, Suite 100, Baton Rouge, LA 70809

Phone/Fax: (225) 755-1920 / (225) 755-1989

http://www.EMSL.com

batonrougelab@emsl.com

EMSL Order: CustomerID: CustomerPO:

OCCU56

ProjectID:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis

(813) 626-8156 Phone: Fax: (813) 623-6702 02/27/15 8:00 AM Received:

2/26/2015 Collected:

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyz	ed Area Sampled	RDL	Lead Concentration
SCGW25 251501093-0001	2/26/2015 2/27/201 Site: Level 11 East 5		10 μg/ft²	190 µg/ft²
SCGW26 251501093-0002	2/26/2015 2/27/20 ⁻ Site: Level 11 North		10 μg/ft²	120 μg/ft²
SCGW27 251501093-0003	2/26/2015 2/27/20 Site: Level 9 South		100 µg/ft²	1900 μg/ft²
SCGW28 251501093-0004	2/26/2015 2/27/20 Site: Level 7 South	1.0	110 µg/ft²	1200 μg/ft²
SCGW29 251501093-0005	2/26/2015 2/27/20 Site: Level 7 West 5		10 μg/ft²	110 μg/ft²
SCGW30 251501093-0006	2/26/2015 2/27/20 Site: Level 7 North 9		10 μg/ft²	83 μg/ft²
SCGW31 251501093-0007	2/26/2015 2/27/20 Site: Level 7 East S		10 μg/ft²	250 μg/ft²
SCGW32 251501093-0008	2/26/2015 2/27/20 Site: Level 8 South		10 μg/ft²	97 μg/ft²
SCGW33 251501093-0009	2/26/2015 2/27/20 Site: Level 8 West 5		10 μg/ft²	340 μg/ft²
SCGW34 251501093-0010	2/26/2015 2/27/20 Site: Level 8 East S		10 μg/ft²	600 µg/ft²
SCGW35 251501093-0011	2/26/2015 2/27/20 Site: Level 8 North		10 µg/ft²	96 μg/ft²

Laboratory Manager or other approved signatory

Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/tt2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as wlume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/tf which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "-"c" (less than) results signifies that the analytical was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 02/27/2015 10:13:04



11931 Industriplex, Suite 100, Baton Rouge, LA 70809

Phone/Fax: (225) 755-1920 / (225) 755-1989

http://www.EMSL.com

batonrougelab@emsl.com

EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

02/27/15 8:00 AM

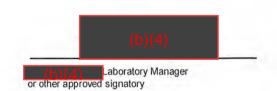
Collected:

2/26/2015

Project: Stennis

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed Area Sampled	RDL	Lead Concentration
SCGW36 251501093-0012	2/26/2015 2/27/2015 144 in² Site: Outside 11th FI Clean Room	10 μg/ft²	150 µg/ft²
SCGW37 251501093-0013	2/26/2015 2/27/2015 144 in² Site: Inside 11th FI Clean Room	10 µg/ft²	180 µg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft/2 x area sampled in ft/2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft/P which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 02/27/2015 10:13:04



Lead (Pb) Chain of Custody EMSL Order ID (Lab_Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

EMSL Order ID (Lab Use Only):
(b) (4)

Orlando, FL 32804 PHONE (407) 599-5887 FAX (407) 599-9063

											333.30	
Company: OH	C Environmental	Engine	ering, Inc.		EMSL-Bill to: Different 🗸 Same							
Street 5420 B	ay Center Drive S	Suite 10	0		Third Party Billing requires written authorization from third party							
City: Tampa				FL	_	al Code: 3				ountry: Unite		es
Report To (Nar	ne) (b)(4)	_	Teleph			ne #: 813-	626-81	56				
Email Address			Fax #: {			813-623-6	702		Pt	ırchase Orde		
Project Name/	Number: Stennis				Please F	rovide Res	sults:	FAX	✓	E-mail	Mail]
	ples Taken: MS				CT Sam	oles: 🔲 Co	mmerci	al/Taxab	le 🔲 F	tesidential/T	ax Exe	mpt
		Tu	rnaround T	ime (TA								
4 🔳 3 Hour	☐ 6 Hour	□ 24		48 Hour		2 Hour	□ 96				2 W	∍ek
		complete	d ın accordance		L's Terms a				ce Guide		1 6	ieck
	Matrix			Method			trumer			orting Limit	1 6	eck
Chips 🗆 % by	/ wt. mg/cm²	ppm	SW	/846-7000E	3	Flame Al	omic Abs	orption		0.01%		╧╌┨
Air			NI	OSH 7082		Flame Af				μg/filter		
				OSH 7105		<u> </u>	te Furnac			3 μg/filter		_
				7300 mod	-		AES/ICP-		_	5 µg/filter	-	x
4 Wipe*				/846-7000E	_	Flame At		orption	-) µg/wipe		4
*if no box is	"if no box is checked, non-ASTM			46-6010B o		ICP-AES Graphite Furnace AA) μg/wipe 75 μg/wipe		≓┤	
<u></u>	Wipe is assumed			SW846-7000B/701 SW846-1311/7000B/SM				0.4 mg/L (ppm)			╡┤	
TCLP	TCLP			SW846-1131/SW846-6010B			CP-AES	OIPHOIT	0.1 mg/L (ppm)			5-1
Soil			<u> </u>	/846-7000E			tomic Abs	orption		ng/kg (ppm)		
3011				V846-7010		Graph	ite Furnac	e AA	0.3 n	ng/kg (ppm)		
				46-6010B o			CP-AES			g/kg (ppm)	4	╝
Wastewater	Unpreserved			SM3111B/SW846-70008			tomic Abs	<u></u>		mg/L (ppm)		⊢
	th HNO ₃ pH < 2	Ï	EPA 200.9 EPA 200.7			Graphite Furnace AA ICP-AES		ce AA	0.003 mg/L (ppm) 0.020 mg/L (ppm)			≓
Drinking Wa	ter Unpreserved		EPA 200.9			Graphite Furnace AA		ce AA	0.003 mg/L (ppm)		- 	
	ith HNO ₃ pH < 2	Ħ		PA 200.8		ICP-MS		0.001 mg/L (ppm)				
TSP/SPM File		_		CFR Part 5		ICP-AES				2 µg/filter		
			40	CFR Part 5	50	Graphite Furnace AA		3	6 μg/filter		 	
Other:	0.170				-T	J			<u> </u>			
Name of San	npler: (b)(4)				Sign	ature of S	me/Are		_	Date/Time	Sam	nled
Sample #		Locati					2X12	<u>a</u>			6/15	pica
SCGW25		<u> </u>	ast Side			_					6/15	
SCGW26			orth Side				2X12					
SCGW27		_	uth Side				2X12				6/15	
SCGW28	Leve	1 7 So	uth Side				6X8				6/15	
SCGW29	Leve	el 7 We	est Side			1:	2X12				6/15	<u> </u>
Client Samp	le #'s	- SCGV	W 25 - SCGW37	1	-		Tota	# of S	amples	1		
Relinquishe	d (Client):			Date:		6/15		Time:		6:00 pm		
	Received (Lab):			Date:	2/0	27/15		Time:		8:00 a.	<u> </u>	
Comments:												

Page 1 of ___ pages



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only).

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled		
SCGW30	Level 7 North Side	10X14	2/26/15		
SCGW31	Level 7 East Side	8X18	2/26/15		
SCGW32	Level 8 South Side	12X12	2/26/15		
SCGW33	Level 8 West Side	12X12	2/26/15		
SCGW34	Level 8 East Side	8X18	2/26/15		
SCGW35	Level 8 North Side	12X12	2/26/15		
SCGW36	Outside the 11Th Fl Clean Room	12X12	2/26/15		
SCGW37	Inside the 11Th Fl Clean Room	12X12	2/26/15		

Comments/S	pecial Instructions:	· · · · · · · · · · · · · · · · · · ·			

	National Aeronautics and Space Administration						DATE	Feb	oruary 28, 201	
	John C. Stennis Space Center	RACIO	R TRAN	SMITTA	L SHEE	T		SHEET		
	Stennis Space Center, MS 39529-6000						1		1	
	SECTION I - REQUEST F	OR APPR	OVAL (To	be Initiat	ed by the	Contractor)			
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA				·-	TRACT NO.	Х	NEW SUBM	IITTAL	
MANUFACTURER'S CERTIFICATES OF COMPLIANCE										
(See Instructions on Reverse) NNS14AA30T								0 RESUBMITTAL		
TO	FROM			PREVIOUS T	RANSMITT	AL NO. (If Any)	Т	RANSMITTA	L NO.	
(b)(HARRY PEPPER & AS		INC.		0			295		
	ION AND SECTION NO. (Cover Only One Section With Each		PROJECT T	TLE AND LO	CATION			*		
200H0-GA	04 02 82 33.13 Wipe Samples Collected Le	vel 10			SL430WF	B00-03 SOFT CO	RE PAINTI	NG		
	DESCRIPTION OF ITEM SUBMITTED					CONTRACT REF	ERENCE	VARIATION	ACTION	
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURER OF ITEM			NO OF	DOCUMENT		(See	CODE	
NO.	(See Instruction No. 3)	(See	Instruction	No. 8)	COPIES	SPECIFICATION	DRAWING	Instruction	(See Instruction	
(a)	(b)		(c)			PARAGRAPH NO.	SHEET NO.	No. 6)	No. 9	
1	Wipe Samples Collected Level 10 2-28-15 thru 3-3-15	ОНС		-	(d) 3	(e) 1.4	(f)	(g)	(h)	
	7	10110		·	<u> </u>	1.4		-		
					-	-	-	-		
-	<u>-</u>	<u> </u>			-	-	-		-	
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-	_			-	-	-		_	_	
	<u>-</u>			_	-	-	_	_	_	
	-			-	~	-	_	_	_	
-	-			_	_	-	_	_		
REMARKS:	3 Hard Copies included. I copy of the Radiograph is incl	luded with th	nis submitta		detail and ar	the above submitted re correct and in str	ict conforma	I been reviewed nce with the co	d in ntract	
					drawings & s	specifications, exce NAME AND SIG	(b)(4)		I	

NAME, TITLE, AND SIGNATURE OF APPROVING AUTHORITY

DATE

ENCLOSURES RETURNED (List by Item No.)



11931 Industriplex, Suite 100, Baton Rouge, LA 70809

Phone/Fax: (225) 755-1920 / (225) 755-1989

http://www.EMSL.com

batonrougelab@emsl.com

EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

Fax:

(813) 626-8156 (813) 623-6702

Received:

03/02/15 8:00 AM

Collected:

2/28/2015

Project: Stennis

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW44 251501135-0001	2/27/2015 Site: Level	3/2/2015 16 East B-1	140 in²	10 µg/ft²	13 μg/ft²
SCGW48 251501135-0002	2/28/2015 Site: Level	3/2/2015 11 North B-1	144 in²	10 µg/ft²	270 μg/ft²
SCGW52 251501135-0003	2/28/2015 Site: Level	3/2/2015 11 South B-1	144 in²	10 µg/ft²	49 µg/ft²
SCGW47 251501135-0004	2/28/2015 Site: Level	3/2/2015 11 East B-1	144 in²	10 µg/ft²	110 μg/ft²
SCGW51 251501135-0005	2/28/2015 Site: Level	3/2/2015 11 West B-1	144 in²	10 µg/ft²	21 μg/ft²
SCGW54 251501135-0006	2/28/2015 Site: Level	3/2/2015 10 North B-1	144 in²	100 µg/ft²	1100 μg/ft²
SCGW55 251501135-0007	2/28/2015 Site: Level	3/2/2015 10 South B-1	96 in²	15 µg/ft²	210 μg/ft²
SCGW53 251501135-0008	2/28/2015 Site: Level	3/2/2015 10 East B-1	96 in²	15 μg/ft²	180 μg/ft²
SCGW56 251501135-0009	2/28/2015 Site: Level	3/2/2015 9 East B-1	96 in²	15 μg/ft²	380 μg/ft²
SCGW58 251501135-0010	2/28/2015 Site: Level	3/2/2015 8 North B-1	144 in²	10 μg/ft²	12 μg/ft²
SCGW59 251501135-0011	2/28/2015 Site: Level	3/2/2015 8 West B-1	144 in ²	10 µg/ft²	630 µg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/tt2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/tt² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 03/02/2015 11:11:05



11931 Industriplex, Suite 100, Baton Rouge, LA 70809

Phone/Fax: (225) 755-1920 / (225) 755-1989

http://www.EMSL.com

batonrougelab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

03/02/15 8:00 AM

Collected:

2/28/2015

Project: Stennis

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW61 251501135-0012	2/28/2015 Site: Level	3/2/2015 7 North B-1	144 in²	10 µg/ft²	95 μg/ft²
SCGW60 251501135-0013	2/28/2015 Site: Level	3/2/2015 7 East B-1	142.5 in²	10 µg/ft²	120 µg/ft²
SCGW62 251501135-0014	2/28/2015 Site: Level	3/2/2015 7 West B-1	144 in²	10 μg/ft²	120 µg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 03/02/2015 11:11:05



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804
PHONE. (407) 599-5887
FAX: (407) 599-9063

									1700 (407) 53	75-3000
Company : OHO	Environmental Engir	eering, Inc.			lf Bill		ent note inst	ructions ir	ent / Same	
	y Center Drive Suite 1	00					ires writter		zation from third p	
City: Tampa	State	Province:	FL	Zip/Postal Code: 33609 Country: United States						
Report To (Nam	e) (b)(4)			Telephon			56			-
Email Address:	(b)	(4)		Fax#: 8	<u>313-623-</u>	6702			urchase Order	
Project Name/No	umber: Stennis			Please Pr	rovide Re	sults:	FAX	V	E-mail	Mail
U.S. State Samp								le 🗌 F	Residential/Tax	Exempt
		urnaround`								
3 Hour			☐ 48 Hour		2 Hour	_	Hour			2 Week
<u> </u>	*Analysis comple Matrix		e with EMS Method	iL's Terms ai		ins locate strume		Rene	orting Limit	Check
	wt. mg/cm³ ppm		V846-7000E	3		tomic Ab		жер	0.01%	
Air		N	IIOSH 7082	_ ::		tomic Ab		4	µg/filter	
		N	IIOSH 7105		Graph	ite Furna	ce AA	0.0	03 µg/filter	
		NIOS	H 7300 mod	dified	ICP-	AE\$/ICP	-MS		5 µg/filter	
Wipe*	ASTM 📳	SV	N846-7000E	3	Flame A	tomic Ab	sorption	1() µg/wipe	
*if no hov is ci	non ASTM hecked, non-ASTM	SW8	46-6010B c	or C		ICP-AES		1.0	0 µg/wipe	
1110 80 % 18 €	Wipe is assumed	SW8	46-7000B/7	010	Graph	nte Furna	ce AA		75 µg/wipe	
TCLP			11/7000B/S			tomic Ab	sorption		mg/L (ppm)	
\	_	SW846-113				ICP-AES			mg/L (ppm)	- - -
Soil		<u> </u>	W846-70008 W846-7010			Ntomic About Fuma			ng/kg (ppm) ng/kg (ppm)	
			346-6010B			ICP-AES	-		ig/kg (ppm)	
Wasternates a		SM311	1B/SW846-	7000B	Flame A	tomic Ab	sorption		mg/L (ppm)	
Wastewater Preserved with	Unpreserved HNO ₃ pH < 2	EPA 200 9					0.003 mg/L (ppm)			
		EPA 200.7) mg/L (ppm)	┝╌╬╌	
Drinking Wate Preserved with			EPA 200.9 EPA 200 8	_	Grapi	ICP-MS	ce AA		3 mg/L (ppm) 1 mg/L (ppm)	┠╌╫┈
			CFR Part 5	50		ICP-AES			2 µg/filter	
TSP/SPM Filte	۶۲ 	40	CFR Part 5	50	Graph	nite Furna	ce AA	3	6 µg/filter	
Other:					<u>L</u>					<u> </u>
Name of Samp				Signa	ture of			b)(4)		
Sample #	Loca	tion		-	_	me/Are	a /		Date/Time S	
SCGW44	Level 16	East B-1			1	0x14			2/27/	
SCGW48	Level 11 I	North B-1			1	2x12			2/28/	
SCGW52	Level 11 S	South B-1			1	2x12			2/28/	15
SCGW47	Level 11	East B-1			1	2x12			2/28/	15
SCGW51	Level 11	West B-1			1	2x12			2/28/	15
Client Sample	#'s -		·			Tota	al # of S	amples		
Relinquished	(Client):		Date:	03/01	1/15		Time:		5:30 pm	
Received (Lab)	(b)(4)		Date:	3/0	2/15		Time:		8. Wan	
Comments:										

Page 1 of ____ pages





LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE: (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
SCGW54	Level 10 North B-1	12x12	2/28/15
SCGW55	Level 10 South B-1	12x8	2/28/15
SCGW53	Level 10 East B-1	12x8	2/28/15
SCGW56	Level 9 East B-1	12x12	2/28/15
SCGW58	Level 8 North B-1	12x12	2/28/15
0001450			
SCGW59	Level 8 West B-1	12x12	2/28/15
SCGW61	Level 7 North B-1	12x12	2/28/15
SCGW60	Level 7 East B-1	5x28.5	2/28/15
SCGW62	Level 7 West B-1	12x12	2/28/15
Comments/Specia	Instructional		
Commentatohecia	า เกรนนบนิยาร:		

Page	of	_ pages
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	National Aeronautics and						DATE	Feb	ruary 28, 2015
	Space Administration	DACTO	TDAN	SMITTA	CHEE	т			
	John C. Stennis Space Center	KACIO	\ IKAN	SIVIIIIA	L SHEE	1		SHEET	
	Stennis Space Center, MS 39529-6000		(80) 8				1	OF	1
	SECTION I - REQUEST F	OR APPRO	OVAL (To	be Initiate	d by the	Contractor)		
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA	, MATERIAL	SAMPLES, C)R	CON	TRACT NO.	Х	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF CO	MPLIANCE			NNIS	14AA30T		_	
	(See Instructions on Reverse)	1			IVIVS	14AA301	0	RESUBMITT	AL
ГО	FROM			PREVIOUS TR	RANSMITTA	AL NO. (If Any)	TF	RANSMITTA	L NO.
(b)(4) HARRY PEPPER & AS	SOCIATES, I	NC.		0			296	
PECIFICAT	ION AND SECTION NO. (Cover Only One Section With Each	Transmittal	PROJECT T	itle and loc	ATION				
200H0-GA	04 02 82 33.13 Wipe Samples Collected Lev	vel 9 & 8.5			SL430WF	BOO-03 SOFT CO			
•	DESCRIPTION OF ITEM SUBMITTED					CONTRACT REF		VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	1	JFACTURER		NO OF	DOCUM		(See	CODE
NO.	(See Instruction No. 3)	(See	Instruction	No. 8)	COPIES	SPECIFICATION		Instruction	ł
(a)	(b)		(c)		(d)	PARAGRAPH NO. (e)	SHEET NO. (f)	No. 6) (g)	No. 9 (h)
1	Wipe Samples Collected Level 9 & 8.5	ОНС			3	1.4	-	-	, ,
_	2-28-15 thru 3-3-15			-	_	-	1	-	-
-	-			_	-	-	-	-	-
_	-			-	-	-	-	-	-
-	_			-	-	-	-	-	-
	-			_	-	-	_	_	-
_				-	-	-	-		-
-	-			-	-	-	-	-	-
REMARKS:	3 Hard Copies included.					t the above submitt re correct and in st			
					drawings &	sp <mark>ecifications, exce</mark>	ent as stated.		
						NAME AND SI	GNATURE O	F CONTRACTO)R
	SE	CTION II -	APPROV	AL ACTION	J				
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, TITI	E, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		
		ĺ					1		



11931 Industriplex, Suite 100, Baton Rouge, LA 70809

Phone/Fax: (225) 755-1920 / (225) 755-1989

http://www.EMSL.com

batonrougelab@emsl.com

EMSL Order: CustomerID: (b)(4)

OCCU56

CustomerPO: ProjectID:

Attn: (b)(4)

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax: (813) 626-8156 (813) 623-6702

Received: Collected: 03/02/15 8:00 AM 2/28/2015

Project: Stennis

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW79 251501134-0001	2/28/2015 Site: Level	3/2/2015 16 North B-2	144 in²	10 μg/ft²	25 μg/ft²
SCGW77 251501134-0002	2/28/2015 Site: Level	3/2/2015 16 South B-2	144 in²	10 μg/ft²	220 µg/ft²
SCGW78 251501134-0003	2/28/2015 Site: Level	3/2/2015 16 East B-2	144 in²	10 μg/ft²	250 μg/ft²
SCGW50 251501134-0004	2/28/2015 Site: Level	3/2/2015 11 South B-2	144 in²	10 µg/ft²	180 μg/ft²
SCGW49 251501134-0005	2/28/2015 Site: Level	3/2/2015 11 West B-2	144 in²	10 μg/ft²	310 μg/ft²
SCGW75 251501134-0006	2/28/2015 Site: Level	3/2/2015 9 North B-2	144 in²	10 μg/ft²	440 μg/ft²
SCGW74 251501134-0007	2/28/2015 Site: Level	3/2/2015 9 South B-2	144 in²	10 μg/ft²	660 µg/ft²
SCGW76 251501134-0008	2/28/2015 Site: Level	3/2/2015 9 East B-2	144 in²	100 μg/ft²	910 μg/ft²
SCGW73 251501134-0009	2/28/2015 Site: Level	3/2/2015 9 West B-2	144 in²	10 μg/ft²	590 μg/ft²
SCGW72 251501134-0010	2/28/2015 Site: Level	3/2/2015 8.5 North B-2	144 in²	100 μg/ft²	3000 μg/ft²
SCGW69 251501134-0011	2/28/2015 Site: Level	3/2/2015 8.5 South B-2	145 in²	9.9 µg/ft²	280 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in ug/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 03/02/2015 10:35:51



11931 Industriplex, Suite 100, Baton Rouge, LA 70809

(225) 755-1920 / (225) 755-1989

http://www.EMSL.com

batonrougelab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

Project: Stennis

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

03/02/15 8:00 AM

Collected:

2/28/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW70	2/28/2015	3/2/2015	144 in²	100 µg/ft²	1300 µg/ft²
251501134-0012	Site: Level	8.5 East B-2			
SCGW71	2/28/2015	3/2/2015	144 in ²	100 μg/ft²	5100 µg/ft²
251501134-0013	Site: Level	8.5 West B-2			
SCGW67	2/28/2015	3/2/2015	144 in²	10 μg/ft²	580 μg/ft²
251501134-0014	Site: Level	8 South B-2			
SCGW68	2/28/2015	3/2/2015	144 in²	10 μg/ft²	670 µg/ft²
251501134-0015	Site: Level	8 East B-2			



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 03/02/2015 10:35:51



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE (407) 599-5887 FAX' (407) 599-9063

Company : OHC Environmental 6	Engine	ering, Inc.		EMSL-Bill to: Different / Same If Bill to is Different note instructions in Comments**					
Street: 5420 Bay Center Drive St	uite 10	0		Th	ird Party Billing requ	ıres written	authori	zation from third p	artv
		rovince:	FL		l Code: 33609			ountry: United	
Report To (Name): (b)(4)				Telephon	e#: 813-626-81	56			
Email Address:	(b)(4	1)		Fax #: 8	313-623-6702		Р	urchase Order:	
Project Name/Number: Stennis			b)(4	Please Pr	rovide Results:	FAX	7	E-mail	Mai1
U.S. State Samples Taken: MS				CT Samp	les: 🔲 Commerc	ial/Taxab	le 🔲	Residential/Tax	Exempt
	Tu	rnaround 1	ſime (TA		s* - Please Che				
■ 3 Hour ☐ 6 Hour	□ 24] 48 Hour			Hour	_		2 Week
	ompleted			L's Terms a	nd Conditions locate				Obsali
Matrix			Method		Instrume	nt	Rep	orting Limit	Check
Chips ☐ % by wt. ☐ mg/cm² ☐	ppm	SV	V846-7000E	3	Flame Atomic Ab	sorption		0.01%	
Air	1	N	IOSH 7082		Flame Atomic Ab	sorption		4 μg/filter	
			IOSH 7105		Graphite Furna			03 µg/filter	
			1 7300 mod		ICP-AES/ICP		_	5 µg/filter	
/ ·		SV	V846-7000E	3	Flame Atomic Ab			0 µg/wipe	
non ASTM *if no box is checked, non-ASTM		SW8	46-6010B o	r C	ICP-AES			0 µg/wipe	
Wipe is assumed			16-7000B/7		Graphite Furna	ce AA	0.0	75 µg/wipe	
TCLP Wipes		SW846-13			Flame Atomic Ab			mg/L (ppm)	x
		SW846-113			ICP-AES			mg/L (ppm)	
Soil		·	V846-7000E		Flame Atomic Ab			ng/kg (ppm)	_#_
			W846-7010 46-6010B o		Graphite Furna ICP-AES			mg/kg (ppm) ng/kg (ppm)	
			B/SW846-7		Flame Atomic Ab			mg/L (ppm)	
Wastewater Unpreserved			EPA 200.9		Graphite Furna			3 mg/L (ppm)	
Preserved with HNO₃ pH < 2			PA 200 7		ICP-AES			0 mg/L (ppm)	
Drinking Water Unpreserved			EPA 200.9		Graphite Furna	ce AA		3 mg/L (ppm)	
Preserved with HNO ₃ pH < 2			PA 200.8		ICP-MS			1 mg/L (ppm)	
TSP/SPM Filter			CFR Part 5 CFR Part 5		ICP-AES Graphite Furna			2 µg/filter	<u> </u>
Other:		40	CFR Pail 5		Grapine Funa	CE AA	3	6 µg/filter	
Name of Sampler: (b)(4)				Signa	ture of Sample	r	(b)(4)	
	Locatio	on		0.5	Volume/Are			Date/Time S	Sampled
		orth B-2	•		12X12			2/28/	15
	16 Sc	outh B-2			12X12	***		2/28/	 15
		ast B-2			12X12			2/28/	
3CGW70 Level	10 6	asi D-2						ZIZO!	
Client Sample #'s	-			10010		I# of Sa	imples		
Relinquished (Client):			Date:	03/01	/15	Time:		5:30 pm	
Received (Lab):			Date:	3/0	12/15	Time:		8:00 am	
(b)(4)	(p)(א אידועיי	42 B28	ULTS AS	well. 14m	ues.			

Page 1 of ____ pages



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
SCGW50	Level 11 South B-2	12X12	2/28/15
SCGW49	Level 11 West B-2	12X12	2/28/15
SCGW75	Level 9 North B-2	12X12	2/28/15
SCGW74	Level 9 South B-2	12X12	2/28/15
SCGW76	Level 9 East B-2	4X36	2/28/15
SCGW73	Level 9 West B-2	12X12	2/28/15
SCGW72	Level 8.5 North B-2	6X24	2/28/15
SCGW69	Level 8.5 South B-2	2.5X58	2/28/15
SCGW70	Level 8.5 East B-2	6X24	2/28/15
SCGW71	Level 8.5 West B-2	6X24	2/28/15
SCGW67	Level 8 South B-2	12X12	2/28/15
SCGW68	Level 8 East B-2	12X12	2/28/15
Comments/Specia	Il Instructions:		• •

Page	of	pages

	National Aeronautics and				<u> </u>		DATE		March 4, 2015
	Space Administration	ΑΛΤΩ	TDAN	SMITTAI	CHEE	т			
	John C. Stennis Space Center	MCIO	1 INAIN	SIVII I MI	LJIILL	•		SHEET	
	Stennis Space Center, MS 39529-6000						1	OF	1
	SECTION I - REQUEST FO	OR APPRO	OVAL <i>(To</i>	be Initiate	d by the	Contractor)		
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,		SAMPLES, C)R	CON	TRACT NO.	X	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF CON	MPLIANCE			NNS	14AA30T		1	
	(See Instructions on Reverse)			DD 51 // OLL S TD			0	RESUBMITT	
ΓΟ	FROM			PREVIOUS IR		AL NO. (If Any)	1 h	RANSMITTA	L NO.
(t	HARRY PEPPER & ASS			TLE AND LOCA	<u> </u>			297	
200HO-GA	ON AND SECTION NO. (Cover Only One Section With Each T 04 02 82 33.13 Wipe Samples Collected Lev		PROJECT II	TLE AND LOCA		B00-03 SOFT CO	RE PAINTIN	IG	
	DESCRIPTION OF ITEM SUBMITTED					CONTRACT REF	ERENCE	VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	MANU	JFACTURER	OF ITEM	NO OF	DOCUM	ENT	(See	CODE
NO.	(See Instruction No. 3)	(See	Instruction	No. 8)	COPIES	SPECIFICATION			(See Instruction
(a)	(b)		(c)		(d)	PARAGRAPH NO. (e)	SHEET NO. (f)	No. 6) (g)	No. 9 (h)
1	Wipe Samples Collected Level 13 (3-1-15)	ОНС			3	1.4		- 18/	(11)
	-	-		_	_	_	_		_
-				_	_	-	_	-	_
_	-			_	_	-	_	-	_
-	-			-	-	-	-	_	-
-	<u>-</u>		<u> </u>	-	-	-	-	_	-
-	_			-	-	-	-	-	-
-	<u>-</u>			-	-	-	-	-	-
REMARKS:	3 Hard Copies included.					t the above submitt re correct and in st			
					drawings &	specifications, exce	ent as stated.		l
						NAME AND SI	GNATURE O	F CONTRACTO	OR
	SEC	CTION II -	APPROV	AL ACTION	I				
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, TITI	LE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		
		1							
							1		



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

03/03/15 9:39 AM

Collected:

3/1/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW83 341502000-0007	3/1/2015 Site: 13th F	3/3/2015 FI Clean Room	144 in²	10 μg/ft²	200 μg/ft²
SCGW84 341502000-0008	3/1/2015 Site: Outsi	3/3/2015 de 13th FI Cle	144 in² an Room	10 μg/ft²	2400 μg/ft²
SCGW85 341502000-0009	3/1/2015 Site: 11th I	3/3/2015 FI Clean Roon	144 in²	10 µg/ft²	160 μg/ft²
SCGW86 341502000-0010	3/1/2015 Site: Outsi	3/3/2015 de 13th FI Cle	144 in² ean Room	10 µg/ft²	120 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/tt2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/tt² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. """ (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements of the properties of the proper requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 03/03/2015 12:33:12



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE (407) 599-5887 FAX: (407) 599-9063

	 (000 000)
Щ.	

Company : OHC Environmental Engineering, Inc.			EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**							
Street: 5420 B	ay Center Drive S	Suite 10	0	Third Party Billing requires written authorization from third party						
City: Tampa			rovince: FL		l Code: 33609	oo minton		ountry: United		
Report To (Nar	me): (b)(4)			Telephone #: 813-626-8156						
Email Address		(b)///	\		313-623-6702		Pi	urchase Order:		
	Number: Stennis	B1 B2 T	est Stand		rovide Results:	FAX	1	E-mail	Mail	
	ples Taken: MS				les: Commerci	ial/Taxabi	le 🔲 F	Residential/Tax	Exempt	
		Tu	rnaround Time (TA							
☐ 3 Hour	■ 6 Hour	■ 24				Hour		Week	2 Week	
		complete	in accordance with EMS	L's Terms a					Ob sola	
	Matrix		Method		Instrument		Reporting Limit		Check	
Chips 🗆 % by	/ wt. 🔲 mg/cm² 📗] ppm	SW846-7000E	3	Flame Atomic Abs	orption		0.01%		
Air	TURNAMOUND		NIOSH 7082		Flame Atomic Abs	orption		µg/filter		
27 MA	, John Marie		NIOSH 7105		Graphite Furnac			03 µg/filter		
			NIOSH 7300 mod		ICP-AES/ICP-			5 µg/filter		
Wipe* & HK.			SW846-7000E		Flame Atomic Abs	orption) µg/wipe	盛	
	non ASTM checked, non-ASTM	u	\$W846-6010B o		ICP-AES			0 μg/wipe		
	Wipe is assumed		SW846-7000B/7		Graphite Furnac			75 µg/wipe		
TCLP			SW846-1311/7000B/S		Flame Atomic Abs	0.4 mg/L (ppm) 0.1 mg/L (ppm)				
Pail			SW846-1131/SW846-6 SW846-7000					ng/L (ppm)		
30II				SW846-7010		Graphite Furnace AA		ng/kg (ppm)		
			\$W846-6010B c					2 mg/kg (ppm)		
Mesterrator	Ulananananad		SM3111B/SW846-	7000B	Frame Atomic Abs	orption		mg/L (ppm)		
Wastewater Preserved wit	Unpreserved th HNO ₃ pH < 2		EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)			
			EPA 200 7	·	ICP-AES		0.020 mg/L (ppm)			
	th HNO ₃ pH < 2		EPA 200.9 EPA 200.8		Graphite Furnace AA ICP-MS		0.003 mg/L (ppm) 0.001 mg/L (ppm)			
	h1, -1, -1		40 CFR Part 5	in	ICP-MS		12 µg/filter		-	
TSP/SPM Filt	er		40 CFR Part 5		Graphite Furnac	æ AA		6 µg/filter		
Other:										
Name of Sam	pler: (b)(4)			Signa	ture of Sampler					
Sample#		Location	on		Volume/Area			Date/Time S	ampled	
S126	(b)(4) 5	800/ in:	side th w/a 13th Fl		1 0 40L	(3/01/15 7:45a	m 4:25pm	
S127	27 14th FI above the Decon			960L				3/01/15 8:05a	m 4:05pm	
S128	S128 13th fl outside Decon				960L			3/01/15 8:10a	m 4.10pm	
S129 12th Fl below Decon				960L			3/01/158:15a	m 4:15pm		
S130	S130 Between the Dust Collectors				1048L			3/01/15 8:21a	m 5:05pm	
Client Sampl	e #'s	- 512	6 THEN 5131 /	Scane	3-5cm 86 Tota	# of Sa	mples	: 10		
Relinquished	l (Client):			03/01	/15	Time:		5:30 pm		
Received (Lab				3,	13/15	Time:		9:391	n	
Comments:					7					
									i	

Page 1 of ____ pages



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytic	al, Inc.		
5125 Adanson	Street,	Suite	90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S131	QA/QC	OL	3/01/15
SCGW83	13th Fl Clean Room	12x12	3/01/15
SCGW84	Outside 13th Fl Clean Room	12x12	3/01/15
SCGW85	11th Fl Clean Room	12x12	3/01/15
SCGW86	Outside 113th Fl Clean Room	12x12	3/01/15
••••			
W 8-440			
	pecial Instructions:		

 $_{\text{Page}}$ $\underline{2}$ of $\underline{2}$ pages

	National Aeronautics and						DATE		March 4, 2015
NASA	Space Administration CONTF	RACTOF	RTRAN	SMITTA	L SHEE	T			
	John C. Stennis Space Center Stennis Space Center, MS 39529-6000						1	SHEET OF	1
	SECTION I - REQUEST FO	DD ADDDC)\/AL /To	ha Initiata	d by the	Contractor			1
			<u> </u>		 _	TRACT NO.		NEW CURA	177 41
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MANUFACTURER'S CERTIFICATES OF COM-		SAMPLES, C)K	CON	IRACT NO.	X	NEW SUBM	IIIAL
	(See Instructions on Reverse)	VIPLIANCE			NNS	14AA30T	0	RESUBMITT	· A I
TO	FROM		•	DREVIOUS TE	L A NISNAITTA	AL NO. (If Any)		RANSMITTA	
/b\/	HARRY PEPPER & ASS	COCIATES I	NC	IFINEVIOUS II	0	AL NO. (II Ally)	''	298	LINO.
SDECIEICAT	ION AND SECTION NO. (Cover Only One Section With Each T			L TLE AND LOC					
200H0-GA	·		Noseer II	722 71110 200		B00-03 SOFT CO	RE PAINTIN	1G	
	DESCRIPTION OF ITEM SUBMITTED					CONTRACT REF		VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	MANU	JFACTURER	OF ITEM	NO OF	росим	ENT	(See	CODE
NO.	(See Instruction No. 3)	(See	Instruction	No. 8)	COPIES	SPECIFICATION	DRAWING	Instruction	(See Instruction
(0)	(b)		(c)		(d)	PARAGRAPH NO.	SHEET NO.	No. 6)	No. 9
(a)		0110	(0)		<u> </u>	(e)	(f)	(g)	(h)
1	Air Samples Collected & Chain of Custody 3-1-15	ОНС			3	1.4	-	-	
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REMARKS:	3 Hard Copies included.					the above submitt re correct and in st			
						specifications, exce		ice with the co	iii act
						NAME AND SI	GNATURE O	F CONTRACTO	DR
	SEC	CTION II -	APPROV	AL ACTION	1		· · · · · · · · · · · · · · · · · · ·		
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, TITI	E, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		
		ļ							



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

(813) 626-8156 Phone:

(813) 623-6702 Fax:

03/03/15 9:39 AM Received:

Collected: 3/1/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S103 341502003-0001	3/1/2015 Site: 10 ft F	3/3/2015 From Vec Load	1050 L der	3.8 µg/m³	<3.8 µg/m³
S104 341502003-0002	3/1/2015 Site: Betwe	3/3/2015 en Dust Colle	1050 L ctors	3.8 µg/m³	<3.8 µg/m³
S105 341502003-0003	3/1/2015 Site: 12th F	3/3/2015 I Below Deco	920 L n	4.3 μg/m³	<4.3 μg/m³
S106 341502003-0004	3/1/2015 Site: 13th F	3/3/2015 Fl Outside Dec	900 L	4.4 μg/m³	<4.4 μg/m³
S107 341502003-0005	3/1/2015 Site: 14th F	3/3/2015 FI Above The I	880 L Decon	4.5 μg/m³	<4.5 μg/m³
S108 341502003-0006	3/1/2015 Site: (b)	3/3/2015 (4) Cleanir	940 L ng Floors 17 & 16 Soft Core	4.3 μg/m³	<4.3 μg/m³
S109 341502003-0007	3/1/2015 Site:	3/3/2015	940 L aning Floors 17 & 16 Soft Core	4.3 µg/m³	<4.3 μg/m³
S110 341502003-0008	3/1/2015 Site: 14th F	3/3/2015 FI Above The I	2060 L Decon	1.9 µg/m³	<1.9 µg/m³
S111 341502003-0009	3/1/2015 Site: 13th F	3/3/2015 FI Outside Dec	2040 L con	2.0 μg/m³	<2.0 μg/m³
S112 341502003-0010	3/1/2015 Site: 12th F	3/3/2015 FI Below Deco	2020 L	2.0 μg/m³	<2.0 µg/m³
S113 341502003-0011	3/1/2015 Site:	3/3/2015	960 L leaning 17th & 16 Floors	4.2 μg/m³	<4.2 μg/m³



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter, ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/03/2015 17:31:52



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156

Fax: Received:

(813) 623-6702 03/03/15 9:39 AM

Collected:

3/1/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S114 341502003-0012	3/1/2015 3/3/2015 Site: ////////////////////////////////////	960 L aning 17th & 16th Floors	4.2 μg/m³	<4.2 µg/m³
S115 341502003-0013	3/1/2015 3/3/2015 Site: 10Ft From Vec Loa	1080 L der	3.7 µg/m³	<3.7 µg/m³
S116 341502003-0014	3/1/2015 3/3/2015 Site: Between Dust Colle	1080 L ectors	3.7 µg/m³	<3.7 µg/m³
S117 341502003-0015	3/1/2015 3/3/2015 Site: 12th FI Below Deco	980 L in	4.1 μg/m³	<4.1 μg/m³
S118 341502003-0016	3/1/2015 3/3/2015 Site: 13th FI Outside Dec	960 L con	4.2 μg/m³	<4.2 μg/m³
S119 341502003-0017	3/1/2015 3/3/2015 Site: 14th FI Above The	940 L Decon	4.3 μg/m³	<4.3 μg/m³
S121 341502003-0018	3/1/2015 3/3/2015 Site: 14th FI Above The	1950 L Decon	2.1 μg/m³	<2.1 µg/m³
S122 341502003-0019	3/1/2015 3/3/2015 Site: 13th FI Outside Dec	1950 L con	2.1 μg/m³	<2.1 μg/m³
S123 341502003-0020	3/1/2015 3/3/2015 Site: 12th FI Below Deco	1950 L	2.1 μg/m³	<2.1 μg/m³
S124 341502003-0021	3/1/2015 3/3/2015 Site: QA/AC	0 L	4.0 μg/filter	<4.0 µg/filter
S125 341502003-0022	3/1/2015 3/3/2015 Site: QA/AC	0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (test than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/03/2015 17:31:52





Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

										1°/^ (407) 5	99-3003	
Company : OH	C Environmental	Engine	ering, Ind	C.		EMSL-Bill to: Different / Same If Bill to is Different note instructions in Comments**						
Street: 5420 B	ay Center Drive S	Suite 10	0	·	Third Party Billing requires written authorization from third party							
City: Tampa			rovince:	FL	Zip/Postal Code: 33609 Country: United States							
Report To (Nar	ne); (b)(4)		· · · · · · · · · · · · · · · · · · ·				#: 813-6		56			
Email Address		(b)(4	\		1		13-623-6			P	urchase Order	
	vumber: Stennis	B1 B2 T	est Stan	d	-		ovide Res		FAX		E-mail	Mail
	ples Taken: MS								al/Taxah	ie 🗆	Residential/Ta	x Exempt
U.S. State Sam	pies raken. mo	Tu	rnaroun	d Time (TA						7,0		·
3 Hour	☐ 6 Hour	a 24		☐ 48 Hou		72		□ 96			Week] 2 Week
				ance with EM:		rms an	d Condition	s located	in the Pr	ice Guid	le	
	Matrix			Method			Ins	trumer	ıt	Rep	orting Limit	Check
Chips ☐ % by	/ wt. 🔲 mg/cm² 📋] ppm		SW846-7000	В		Flame At	omic Abs	orption	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.01%	
Aìr				NIOSH 708	2		Flame At	edA sıma	orption		4 µg/filter	
				NIOSH 710				e Furnac			03 µg/filter	
			NIC	OSH 7300 mo	dified			ES/ICP-			.5 µg/filter	
Wipe*	ASTM			SW846-7000	B		Flame At		orption		0 μg/wipe	
*if no box is	non ASTM checked, non-ASTM			W846-6010B				CP-AES	. ——		0 µg/wipe	
	Wipe is assumed			SW846-7000B/70				e Fumac			75 µg/wipe	
TCLP				-1311/7000B/			Flame Atomic Absorption		0.4 mg/L (ppm)		╂╌╞╡╌╏	
			SW846-	SW846-1131/SW846-60		or C	ICP-AES Flame Atomic Absorption		0.1 mg/L (ppm) 40 mg/kg (ppm)			
Soil			SW846-7000B SW846-7010				Graphite Furnace AA		0.3 mg/kg (ppm)		1	
			s	W846-6010B			ICP-AES		2 mg/kg (ppm)			
				3111B/SW846			Flame Atomic Absorption		0.4 mg/L (ppm)			
Wastewater Preserved wi	Unpreserved th HNO₃pH < 2			EPA 200 9			Graphite Furnace AA		0.003 mg/L (ppm)			
				EPA 200.7		\longrightarrow	ICP-AES		0.020 mg/L (ppm)			
	ter Unpreserved			EPA 200.9 EPA 200.8			Graphite Furnace AA ICP-MS		0 003 mg/L (ppm) 0.001 mg/L (ppm)		 	
Preserved Wi	th HNO ₃ pH < 2		 	40 CFR Part			_	CP-AES			2 µg/filter	
TSP/SPM File	ter			40 CFR Part			Graphite Furnace AA		3.6 µg/filter			
Other:	·			-			-					
Name of San	pler: (b)(4)				5	Signat	ture of S	ample	:			
Sample #	(2)(1)	Locati	on				Volur	ne/Are	a /	·	Date/Time	Sampled
S103	10 Ft f	from Vec Loader			İ		10	50L	Ι,		2/27/15 7:008	m 15 [.] 45pm
S104 Between Dust Collectors				***************************************	10	50L			2/27/15 7:00	ım 15:45pm		
S105	12th	12th Fl below Decon					9:	20L			2/27/15 7:10a	m 14:50pm
S106			outside Decon				9	00L			2/27/15 7:158	am 14:45pm
S107			† • • • • • • • • • • • • • • • • • • •		8	80L			2/27/15 7:20	am 14:40pm		
Client Samp				THRU SIZ	5		<u></u>	Tota	# of S	ample	s: 23	
				Date:		03/01	/15		Time:		2:30 pm	
Relinquished)			3/3			Time:		9:39 Av	7
Received (Lat Comments:	<u>);</u>			Date:			7-		; inne:		1 / / CAT	

Page 1 of ____



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S108	(b)(4) Cleaning Floors 17 and 16 Soft Core	940L	2/27/15 7.30am 15:20pm
S109	(b)(4) Cleaning Floors 17 and 16 Soft Core	940L	2/27/15 7:30am 15:20pm
S110	14th FI above the Decon	2060L	2/27-28/15 14:40pm 7:50am
S111	13th FI outside Decon	2040L	2/27-28/15 14:45pm 7:45am
S112	12th FI below Decon	2020L	2/27-28/15 14:50pm 7:40am
S113	(b)(4) cleaning 17th and 16th floors	960L	2/28/15 7 10am 15:10pm
S114	(b)(4) cleaning 17th and 16th floors	960L	2/28/15 7:10am 15:10pm
S115	10 Ft from Vec Loader	1080L	2/28/15 7:20am 16:20pm
S116	Between Dust Collectors	1080L	2/28/15 7:20am 16:20pm
S117	12th FI below Decon	1000L	2/28/15 7:40am 16:00pm
S118	13th Fl outside Decon	980L	2/28/15 7:45am 15:55pm
S119	14th FI above the Decon	960L	2/28/15 7:50am 15:50pm
S120	(b)(4) HPA Welding-Grinding	940L	2/28/15 8:45am 15:00pm
S121	14th FI above the Decon	1950L	2/28-3/01/15 15.50pm 8.05am
S122	13th FI outside Decon	1950L	2/28-3/01/15 15 55pm 8:10am
S123	12th Fl below Decon	1950L	2/28-3/01/15 16 00pm 8 15am
S124	QA/QC	OL	2/28/15
S125	QA/QC	OL	2/28/15
Comments/Sp	ecial Instructions:		

Page 2 of 2 pages

							DATE		14.0045
	National Aeronautics and						DATE		March 4, 2015
NASA	Space Administration CONTE	RACTOF	RTRAN	SMITTA	L SHEE	T			
John C. Stennis Space Center						4	SHEET	4	
	Stennis Space Center, MS 39529-6000						1	OF	1
	SECTION I - REQUEST FO					<u>_</u>			
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,		SAMPLES, C	R	CON	FRACT NO.	Х	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COM	MPLIANCE			NNS	14AA30T		1	
	(See Instructions on Reverse)				<u> </u>		0	RESUBMITT	
ТО	FROM			PREVIOUS TR		AL NO. (If Any)	11	RANSMITTA	L NO.
(b)(4	4) HARRY PEPPER & ASS				0			299	
	ION AND SECTION NO. (Cover Only One Section With Each T		PROJECT TI	TLE AND LOC					
200H0-GA	04 02 82 33.13 Air Samples Collected 3-1-15	5 (Daniel)			SL430WFI	BOO-03 SOFT CO			ACTION
1753.4	DESCRIPTION OF ITEM SUBMITTED	3.4.4.811	ICA CTUDED	OF ITEM	NO OF	CONTRACT REF		VARIATION	l i
ITEM	(Type, Size, Model Number, etc.)		FACTURER		NO OF COPIES	DOCUM	DRAWING	(See Instruction	CODE
NO.	(See Instruction No. 3)	(See	Instruction	100. 8)	COPIES	PARAGRAPH NO.	SHEET NO.	No. 6)	(See Instruction No. 9
(a)	(b)		(c)		(d)	(e)	(f)	(g)	(h)
1	Air Samples Collected & Chain of Custody 3-1-15	ОНС			3	1.4	-	-	
_	(b)(4)			-	-	-	-	-	-
_	-				-	_	-	-	-
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REMARKS:	3 Hard Copies included.				,	t the above submitt re correct and in st			
					l .	specifications, exce		ice with the co	include:
						NAME AND SI	GNATURE O	F CONTRACT(· DR
	SEC	CTION II -	APPROV	AL ACTION	j J				
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, TITL	E, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		
									,



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

(813) 626-8156 Phone:

(813) 623-6702 Fax:

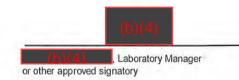
03/03/15 9:39 AM

Collected: 3/1/2015

Received:

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analy	vzed Volume	RDL	Lead Concentration
S126 341502000-0001	3/1/2015 3/3/2 Site: (h)(4)	015 1040 L 5800/Inside Th w/a 13th FI	3.8 μg/m³	54 μg/m³
S127 341502000-0002	3/1/2015 3/3/2 Site: 14th FI Above		4.2 μg/m³	<4.2 μg/m³
S128 341502000-0003	3/1/2015 3/3/2 Site: 13th FI Outs	317	4.2 μg/m³	<4.2 µg/m³
S129 341502000-0004	3/1/2015 3/3/2 Site: 12th FI Below		4.2 μg/m³	<4.2 μg/m³
S130 341502000-0005	3/1/2015 3/3/2 Site: Between The		3.8 µg/m³	<3.8 μg/m³
S131 341502000-0006	3/1/2015 3/3/2 Site: QA/QC	015 0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. ""(" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/03/2015 17:14:44



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804
PHONE (407) 599-5887
FAX: (407) 599-9063

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									(101) 0			
Company : Ol	HC Environmental	Engine	ering,	Inc.		EMSL-E	Bill to: fferent note ins	Diffe tructions	rent / Same			
	Bay Center Drive S				- π				ization from third p	arty		
City: Tampa		State/P	rovince	e: FL		al Code: 3360		$\overline{}$	Country: United			
Report To (Na	me): (b)(4)				Telephor	ne#: 813-626-	8156					
Email Address		(b)(4)		Fax #: 813-623-6702 Purchase Order:							
Project Name/	Number: Stennis	B1 B2 7	Γest St	and	Please Provide Results: FAX F-mail Mail							
U.S. State San	nples Taken: MS				CT Samples: ☐ Commercial/Taxable ☐ Residential/Tax Exempt							
				und Time (TA	AT) Options* - Please Check							
3 Hour	■ 6 Hour	24		48 Hou			96 Hour		1 Week	2 Week		
<u></u>	*Analysis o	complete	d in acco		SL's Te rms a	nd Conditions loca				Chaole		
^hi== □ N h		7		Method		Instrun		Kep	orting Limit	Check		
Cnips 🗆 % o	y wt mg/cm²] ppm		SW846-7000	В	Flame Atomic	Absorption		0.01%			
Air	TURNAMOUND	!		NIOSH 7082	2	Flame Atomic	Absorption		4 μg/filter			
47 11	ZT NA (DESCRIPTION			NIOSH 7105		Graphite Fur			03 μg/filter			
				NIOSH 7300 mod		ICP-AES/IC			.5 µg/filter			
Wipe* (HK. ASTM TO NON ASTM				SW846-7000		Flame Atomic			0 μg/wipe	<u> </u>		
if no box is	checked, non-ASTM			\$W846-6010B		ICP-A			0 μg/wipe			
	Wipe is assumed SW846-7000B/7				Graphite Fur		0.075 µg/wipe					
TCLP SW846-1311/7000B/S							mg/L (ppm)					
SW846-1131/SW846 Soil SW846-700			SW846-7000					mg/L (ppm)				
3011		-	SW846-7000		Graphite Fun			ng/kg (ppm) ng/kg (ppm)				
				\$W846-6010B		ICP-AE			ng/kg (ppm)			
Wastewater	Unpreserved		SI	M3111B/SW846-	7000B	Flame Atomic	Absorption		mg/L (ppm)			
	th HNO ₃ pH < 2			EPA 200.9		Graphite Furn			mg/L (ppm)			
			EPA 200 7			ICP-AE		0.020 mg/L (ppm)				
	ter Unpreserved th HNO ₃ pH < 2	H	EPA 200.9 EPA 200.8		···· -	Graphite Furi		0.003 mg/L (ppm) 0.001 mg/L (ppm)		-		
		<u></u>		40 CFR Part 5	50	ICP-AE			2 µg/filter			
TSP/SPM Filt	ter			40 CFR Part 5		Graphite Furi		3 6 µg/filter				
Other:	***************************************											
Name of San	npler: (b)(4)				Signa	ture of Samp	ler:					
Sample #		Location	חכ			Volume/A			Date/Time S	ampled		
S126	(b)(4) 58	300/ ins	side th	w/a 13th Fl		1040L	(3/01/15 7:45a	m 4:25pm		
S127	14th Fl a	above	the Do	econ		960L			3/01/15 8:05a	m 4:05pm		
S128	13th fl	outsid	e Dec	cón		960L			3/01/15 8:10a	m 4.10pm		
S129	12th F	l belov	w Dec	on		960L			3/01/158:15a	m 4:15pm		
S130 Between the Dust Collectors			1048L			3/01/15 8:21am 5:05pm						
Client Sampl	e #'s	- 512	6 the	U 5131 /	Scane	3-Scaubb To	tal # of Sa	mples	: 10			
Relinquished (Client):			03/01	03/01/15 Time:			5.00					
Received (Lab):				3/3/15 Time:			9:39 Am				
Comments:						7						

Page 1 of ____ pages



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando,	FL 3	2804	1
	407	=00	-

PHONE' (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S131	QA/QC	OL	3/01/15
SCGW83	13th Fl Clean Room	12x12	3/01/15
SCGW84	Outside 13th Fl Clean Room	12x12	3/01/15
SCGW85	11th Fl Clean Room	12x12	3/01/15
SCGW86	Outside 113th Fl Clean Room	12x12	3/01/15
Comments/Sp	ecial Instructions:		

Page 2 of 2 pages

	National Aeronautics and						DATE		March 5, 2015
NASA	Space Administration CONTI	RACTOR	RTRAN	SMITTA	LSHEF	Т			
	John C. Stennis Space Center	ILAC I OI		J.V 174	LUIILL	•		SHEET	
	Stennis Space Center, MS 39529-6000	.,					1	OF	1
	SECTION I - REQUEST FO	OR APPRO	DVAL (To	be Initiate	d by the	Contractor))		
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA	, MATERIAL	SAMPLES, O	R	CON	FRACT NO.	X	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COI	MPLIANCE			NINIC	14AA30T		-	
	(See Instructions on Reverse)				CVIVI	1444301	0	RESUBMITT	
ΓΟ	FROM			PREVIOUS TR	RANSMITT	AL NO. (If Any)	ΤF	RANSMITTA	L NO.
(b)(4	HARRY PEPPER & ASS	SOCIATES, I	INC.		0			300	
SPECIFICAT	ION AND SECTION NO. (Cover Only One Section With Each 7	Transmittal	PROJECT TI	TLE AND LOC	ATION				
200H0-GA	04 02 82 33.13 Air Samples Collected 2-28-	15 OHC			SL430WF	BOO-03 SOFT CO	RE PAINTIN	IG	
	DESCRIPTION OF ITEM SUBMITTED			•		CONTRACT REF	ERENCE	VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	NAANUIEA CTUDED			NO OF	DOCUM	ENT	(See	CODE
NO.	(See Instruction No. 3)	(See Instruction No. 8)			COPIES	SPECIFICATION	DRAWING	Instruction	(See Instruction
(a)	(b)	(c)			(d)	PARAGRAPH NO.	SHEET NO.	No. 6)	No. 9
(a)		0110	(0)		 	(e)	(f)	(g)	(h)
1	Air & Personnel Samples Collected & Chain of Custody	ОНС			3	1.4	-	-	
-	2/28/15			-	-	-	-	_	-
-				-	-	-	-	-	-
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REMARKS:	3 Hard Copies included.					the above submitt			
	·					re correct and in str specifications, exce		nce with the co	ntract
					CI awings &	abecineacions, exce	(b)(4)		
						NAME AND C		E CONTRACTO	DD
	CF	CTION II	A DDDOV	AL ACTION	<u> </u>	NAME AND SI	GNATURE O	FCONTRACTO	JK
						CALITUODITY	DATE		
ENCLOSURI	ES RETURNED (List by Item No.)	INAME, IIII	LE, AND SIG	NATUKE OF A	APROVING	AUTHORITY	DATE		
		1							



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

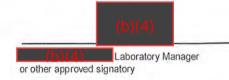
Tampa, FL 33609

Phone: (813) 626-8156 Fax: (813) 623-6702 Received: 03/04/15 11:25 AM Collected: 2/28/2015

Project: Stennis

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
SC120 341502088-0001	2/28/2015 3/4/2015 Site: Personnel	750 L	5.3 μg/m³	7.2 μg/m³
SC132 341502088-0002	2/28/2015 3/4/2015 Site: 14th Floor Above D	1880 L Decon	2.1 μg/m³	<2.1 μg/m³
SC133 341502088-0003	2/28/2015 3/4/2015 Site: 13th Floor Outside	1860 L The Decon	2.2 µg/m³	<2.2 μg/m³
SC134 341502088-0004	2/28/2015 3/4/2015 Site: 12th Floor Below D	1840 L Decon	2.2 μg/m³	<2.2 μg/m³
SC135 341502088-0005	2/28/2015 3/4/2015 Site: @ The VAC	990 L	4.0 μg/m³	<4.0 μg/m³
SC136 341502088-0006	2/28/2015 3/4/2015 Site: @ The Dust Collect	990 L	4.0 μg/m³	<4.0 μg/m³
SC137 341502088-0007	2/28/2015 3/4/2015 Site: Level 12 Below De	970 L con	4.1 μg/m³	<4.1 μg/m³
SC138 341502088-0008	2/28/2015 3/4/2015 Site: Level 13 @ The De	970 L econ	4.1 μg/m³	<4.1 μg/m³
SC139 341502088-0009	2/28/2015 3/4/2015 Site: Level 14 Above Th	970 L e Decon	4.1 μg/m³	<4.1 μg/m³
SC140 341502088-0010	2/28/2015 3/4/2015 Site: (h)(4) Leve	890 L I 16 Cleaning	4.5 μg/m³	<4.5 μg/m³
SC141 341502088-0011	2/28/2015 3/4/2015 Site: (b)(4)	890 L evel 16 Cleaning	4.5 μg/m³	<4.5 μg/m³



"Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise. Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/04/2015 17:57:11



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: (813) 626-8156

(813) 623-6702 Fax:

Received: 03/04/15 11:25 AM

Collected: 2/28/2015

Project: Stennis

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed		Volume	RDL	Lead Concentration	
SC142 341502088-0012	2/28/2015 3/4/2015 Site: Level 14 Above Decon		2080 L. on	1.9 μg/m³	<1.9 µg/m³	
SC143 341502088-0013	2/28/2015 Site: Level	3/4/2015 13 @ The Dec	2080 L	1.9 µg/m³	<1.9 µg/m³	
SC144 341502088-0014	2/28/2015 Site: Level	3/4/2015 12 Below The	2080 L Decon	1.9 µg/m³	<1,9 µg/m³	



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/04/2015 17:57:11

EMBL ANALYTICAL, INC.

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Order ID (Lab Use Only):

Orlando, FL 32804
PHONE (407) 599-5887
FAX (407) 599-9063

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Composition OH	C Environmenta	il Engine	ering, I	nc.		El H Bill	MSL-Bill	l to: rent note ins	Differ tructions	rent 🗸	Same		- 1
Company:	ay Center Drive	Suite 10	0			ird Party B						artv	Ì
	ay Ochtor Billo	State/P		r FL				mas wille					
City: Tampa	Annuata D		LOVINCE	, , <u>, , , , , , , , , , , , , , , , , </u>	Zip/Postal Code: 33609 Country: United States Telephone #: 813-626-8156								
	ne): Accounts Pa												
	: ohcaccountan		et.com		Fax #: 813-623-6702							Mail	
	Number: Stennis					rovide Re		FA		E-mai.			
U.S. State Sam	ples Taken: MS					les: 🗌 C			ble 🔲 i	Resident	ial/Tax	Exemp	<u>t</u>
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☐ 3 Hour	☐ 6 Hour	24		48 Hour		2 Hour		6 Hour		Week	1 4	2 Week	
	فكارد النابها فيتناها وتنافل والمتناوع فالأناف الأرا	s complete	d in acco	relance with EMS Method	SL's Terms a				Dan	e orting L	imit	Chec	
											—┤		
Chips 🗆 % by	ywt. ☐ mg/cm²	☐ ppm		SW846-7000	В	Flame /	Atomic Ab	sorption		0.01%			
Air				NIOSH 7082	<u>:</u>	Flame /	Atomic Ab	sorption	4	μg/filte	r	X	
		į	 	NIOSH 7105	Graphite Furnace AA			0.0	03 µg/filt	er.			
NIOS			NIOSH 7300 modified		ICP	-AES/ICP	P-MS	0.	5 µg/filte	∋r			
Wipe*	lipe* ASTM ☐ SW846-70001			В	Flame /	Atomic Ab	sorption	1(0 µg/wip	е			
-	non ASTM SW846-6010B			or C		ICP-AES	;	1.	0 µg/wip	ре			
*if no box is	*if no box is checked, non-ASTM Wipe is assumed SW846-7000B/			010 Graphile Fumace AA			0.075 µg/wipe						
TCLP SW846-1311/7000B/S			SM 3111B		Atomic At		0.4 mg/L (ppm)						
, wreat	SW846-1131/SW846-6			010B or C		ICP-AES		0.1	0.1 mg/L (ppm)				
Soil	Soil SW846-7000E		В	4	Atomic At			ng/kg (p					
	SW846-7010			Grapi	hite Furna			mg/kg (p			_		
Opposite the second	المالية التي التي التي التي التي التي			SW846-6010B	~~~		ICP-AES			ıg/kg (pr			
Wastewater	Unpreserved	П	SM3111B/SW846-7000B EPA 200.9				Atomic At			mg/L (p			
	th HNO ₃ pH < 2		EPA 200.9			Grapi	hite Furna		0.003 mg/L (ppm) 0.020 mg/L (ppm)			┝╌┾╡	
	her Hanson and	F*1		EPA 200.9	Graphite Furnace AA			0.003 mg/L (ppm)					
	ter Unpreserved the HNO3pH < 2		 -	EPA 200.8	ICP-MS		0.001 mg/L (ppm)						
7 رستا پیدائی کارون کی اور دو دو		اسرة مانان سان بالانوسان	 	40 CFR Part 5	50		ICP-AES		12 µg/filter				
TSP/SPM Fill	ter			40 CFR Part 5		Grap	hite Furna	ice AA	3.6 µg/filter				
Other:													
Name of San	opier:			المستريف المستريب التركيب والمستريب والمستريب والمستريب والمستريب والمستريب والمستريب والمستريب والمستريب	Sian	ature of	Sample	er:					
Sample #		Locati	on				ime/Are	- سوسوي کيد		Date/	Time S	ample	d
	Paranered Jus						50			2.20	8-15	84	
SC120					 					1	8-10	150 	9 Q Day/
SC132	147# FLOOR	Above	De	CON		<u> 18</u>	80			3-1-	15	-161	7
50133	1374 5	ر ملاد ده	1 4	or Dorn	}	19	360			3-1-	15	161	የ ህ ዕ
	13th Floor outsite the Decon			1860			~~~~	1		1615	;		
5C134	C134 12 TH Floor Below Decon			1840					3.1	15	073	5	
	•												
Client Samp	le#'s	-					Tot	al # of S	ample	s:	4		
Relinquished	d (Client)			Date:				Time:					
				1	10	$T_{i}\Pi_{i}$		1		111			
Received (Lat	o):			Date:	13	1717	ン	Time:		11:0	<u> </u>	M	
Comments:						. [~		
•													

Page 1 of 2 pages



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX (407) 599-9063



Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled				
SC 135	O the Vac.	990	3-2-15 7:15.1530				
56136	10 the Dust Collectors	990	7:35-1530				
56137	Level 12 Below Decon	970	7:55-144				
SC138	Level 13 @ the Decon	970	740-1448				
SC139_	Level 14 Above the Decon	970	0745-145				
50140	(b)(4) Level 14 CLEANing	890	0750-151				
SC 141	(b)(4) Level 16 Creating	890	0750-1515				
5C142	Level 14 About Decon	2080	3-2-15				
SC143	Level 13 @ the Decon	2080	1445- 0705				
SC144	Level 12 @ below the Decon	2080	3-2-15				
sc							
Comments/S	Special Instructions:						

(b)(4) 314/15 Page 2 of 2 pages

	National Aeronautics and						DATE		March 5, 2015
NULSA	Space Administration	RACTOF	R TRAN	SMITTAI	SHFF	Т			
	John C. Stennis Space Center	170101				•		SHEET	
	Stennis Space Center, MS 39529-6000						1	OF	1
	SECTION I - REQUEST FO	OR APPRO	OVAL (To	be Initiate	,	<u>*</u>)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,		SAMPLES, C	R	CON	FRACT NO.	X NEW SUBMITTAL		
	MANUFACTURER'S CERTIFICATES OF CON	MPLIANCE			NNS	14AA30T		1	
	(See Instructions on Reverse)						0	RESUBMITT	
ТО	FROM			PREVIOUS TR		AL NO. (If Any)	TI	RANSMITTA	L NO.
(b)(4) HARRY PEPPER & ASS				0			301	
	ON AND SECTION NO. (Cover Only One Section With Each T		PROJECT TI	TLE AND LOCA	ATION				
200H0-GA	02 82 33.13 Wipe Samples Collected 3-2	-15 OHC			SL430WFI	300-03 SOFT CO			
	DESCRIPTION OF ITEM SUBMITTED					CONTRACT REF		VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)		JFACTURER		NO OF	DOCUM		(See	CODE
NO.	(See Instruction No. 3)	(See Instruction No. 8)			COPIES	SPECIFICATION		Instruction	*
(a)	(b)	(c)			(d)	PARAGRAPH NO. (e)	SHEET NO. (f)	No. 6) (g)	No. 9 (h)
1	Wipe Samples Collected & Chain of Custody					1.4	-	-	(117
-	3-2-15	0.10		_	3		_		_
	3213			<u>-</u>	_	<u>-</u>	-	_	-
-	-			-	-	_	-	-	_
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-				-	-	•	-	-	-
-	_			-	-	-	_	_	-
-	<u>-</u>			-		-	-		-
REMARKS:	3 Hard Copies included.					the above submitt re correct and in st			
						specifications, exce			
						NAME AND SI	GNATURE O	F CONTRACTO	DR
	SEC	CTION II -	APPROV	AL ACTION	<u> </u>				
ENCLOSURE	S RETURNED (List by Item No.)	NAME, TITI	LE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

Project: Stennis

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

03/04/15 11:25 AM

Collected:

3/2/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL.	Lead Concentration
SCGW 87	3/2/2015	3/4/2015	144 in²	10 μg/ft²	92 μg/ft²
341502089-0001	Site: Level	II Outside De	con		
SCGW 88	3/2/2015	3/4/2015	144 in²	10 μg/ft²	160 μg/ft²
341502089-0002	Site: Level	II Clean Roon	n In Decon		
SCGW 89	3/2/2015	3/4/2015	144 in²	10 μg/ft²	<10 µg/ft²
341502089-0003	Site: Gong	Box From Le	vel 16 Owner Bill Thorp		
SCGW 90	3/2/2015	3/4/2015	144 in²	10 μg/ft²	<10 µg/ft²
341502089-0004	Site: Gong	Box From Le	vel 16 Owner Bill Thorp		



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/fl2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in guylf? which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/04/2015 17:59:59



EMSL ANALYTICAL, INC.

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE **(407) 599-5887** FAX: **(407) 599-9063**

Coloque (ONY OFFICE OCCUPANT)	· · · · · · · · · · · · · · · · · · ·				1 ^^ (407) 5:	99-9003			
Company : OHC Environmental Engine	ering, In c .	EMSL-Bill to: Different 🗸 Same If Bill to is Different note instructions in Communits**							
Street: 5420 Bay Center Drive Suite 10	00	Th	ird Party Billing regulre:	s written a	authorization from third p	arty _			
City: Tampa State/F	rovince: FL	Zip/Postal Code: 33609 Country: United States							
Report To (Name): Accounts Payable		Telephor	ie#: 813-626-8156	3					
Email Address: ohcaccountant@ohcn	et.com	Fax #: 8	Fax #: 813-623-6702 Purchase Order:						
Project Name/Number: Stennis	. 1	Please P	rovide Results:	✓ E-mail	Mail				
U.S. State Samples Taken: MS		CT Samples: Commercial/Taxable Residential/Tax Exempt							
	ırnaround Time (TA								
☐ 3 Hour ☐ 6 Hour ☐ 24	Hour 48 Hour	7:	2 Hour 96 H	our		2 Week			
*Analysis complete	d in accordance with EMS	L's Terms a	nd Conditions located in	n the Price	e Guide				
Matrix	Method		Instrument		Reporting Limit	Check			
Chips ☐ % by wt. ☐ mg/cm² ☐ ppm	SW846-7000I	3	Flame Atomic Absor	ption	0.01%				
Air	NIOSH 7082		Flame Atomic Absor	` 	4 µg/filter	\square			
	NIOSH 7105		Graphite Furnace		0.03 µg/filter	├			
	N/OSH 7300 mod		ICP-AES/ICP-M		0.5 µg/filter	┝╼┾╡╼╢			
Wipe* ASTM ☑ non ASTM ☐	SW846-70001		Flame Atomic Absor	ription	10 μg/wipe	N N			
*if no box is checked, non-ASTM	SW846-6010B c		ICP-AES Graphite Furnace	AA	1.0 µg/wipe 0.075 µg/wipe	- -			
	Wipe is assumed SW846-7000B/70					┝╌╬╌┤			
TCLP	SW846-1311/7000B/S SW848-1131/SW846-6		Flame Atomic Absor	puon	0.4 mg/L (ppm) 0.1 mg/L (ppm)				
Soil	SW846-7000B			rption	40 mg/kg (ppm)				
	SW846-7010)	Graphite Furnace	AA	0.3 mg/kg (ppm)				
L	SW846-6010B d		ICP-AES		2 mg/kg (ppm)	┸			
Wastewater Unpreserved	SM3111B/SW846-	Flame Atomic Absor		0.4 mg/L (ppm)					
Wastewater Unpreserved ☐ Preserved with HNO ₃ pH < 2 ☐	EPA 200.9 EPA 200,7		Graphite Furnace AA ICP-AES		0.003 mg/L (ppm) 0.020 mg/L (ppm)				
Drinking Water Unpreserved	EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)	┝┈╞╡╼┤			
Drinking Water Unpreserved ☐ Preserved with HNO₃ pH < 2 ☐	EPA 200.8		ICP-MS	~ }	0.003 mg/L (ppm)	╏╶╞╡ ┈┤			
	40 CFR Part 5	50	ICP-AES	-1	12 µg/filter				
TSP/SPM Filter	40 CFR Part 5	50	Graphite Furnace	AA .	3.6 µg/filter				
Other:									
Name of Sampler: (b)(4)	Signa	ture of Sampler:						
Sample # Locati	on		Volume/Area		Date/Time	Sampled			
SCGW 87 Level 11 Outside	Decon	ໝັ _{X ເ}	2"		3-2-15	5 40			
SCGW88 Level 11 Clean A	Zoom IN Decon	12'x	12"		3-2-15	1545			
SCGW 89 Gang Box From Level .		12%			3-3-15	1045			
SCGW 90 Gong Box From Level 16		12 × 1			3-3-15	052			
	- 1111141								
Client Sample #'s 97 - 9	٥	L.,	Total #	of Sar	nples: 4				
Relinquished (Client):	Date:	3-		Time:	1120				
Received (Lab): (b)(• • - •	3	11111	Time:	11:23	an			
Comments:		 _	1 1113						

Page 1 of ____ pages

	National Aeronautics and						DATE	···	March 7, 2015
NASA	Space Administration CONT	RACTO	R TRAN	SMITTA	L SHEE	T		CUEET	
	John C. Stennis Space Center Stennis Space Center, MS 39529-6000						1	SHEET OF	1
			2\/AL /To	ha Initiata	-d b., +b.	Contractor		UF	1
	SECTION I - REQUEST F				, 			r <u> </u>	
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA	•	SAMPLES, C)R	CON	TRACT NO.	X	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF CO				NNS	14AA30T	0	RESUBMITT	· A I
TO	(See Instructions on Reverse) FROM			DDEVIOUS TO	A NICHAITTA	AL NO. (If Any)		RANSMITTA	
(-)/	HARRY PEPPER & AS	SOCIATES	INC		0 0	AL NO. (II Any)	11	302	al NO.
SPECIFICATI	ION AND SECTION NO. (Cover Only One Section With Each			TLE AND LOC				302	
200H0-GA	•		I KOSECT II	TLE AND LOC		B00-03 SOFT CO	RE PAINTIN	IG	
	DESCRIPTION OF ITEM SUBMITTED CONTRACT RE						ERENCE	VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	MANU	JFACTURER	OF ITEM	NO OF	DOCUM	ENT	(See	CODE
NO.	(See Instruction No. 3)	(See Instruction No. 8)			COPIES	SPECIFICATION			(See Instruction
(a)	(b)	(c)			(d)	PARAGRAPH NO. (e)	SHEET NO. (f)	No. 6) (g)	No. 9 (h)
1	TCLP Waste Water Test Reports	ОНС			3	3.4.1.1.c		(8)	(11)
	-	01.0				3.1.1.1.0	_		
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-	<u>-</u>		-	-	-		-	-	-
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REMARKS:	3 Hard Copies included.					the above submitt re correct and in st			
						specifications. exce		100 11111111111111111111111111111111111	Tru det
						NAME AND SI	GNATURE O	F CONTRACTO	OR .
	SE	CTION II -	APPROV	AL ACTION					
ENCLOSURE	S RETURNED (List by Item No.)	NAME, TIT	LE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		***
		:							



200 Route 130 North, Cinnaminson, NJ 08077 (856) 303-2500 / (856) 786-5974 Phone/Fax:

http://www.EMSL.com

cinnaminsonleadlab@emsl.com

EMSL Order: CustomerID:

ProjectID:

CustomerPO:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156

Fax:

(813) 623-6702

Received:

03/03/15 10:40 AM

Collected:

2/27/2015

Project: Stennis

Test Report: Toxicity Characteristic Leachate Procedure

Lead Client Sample Description Lab ID Collected Analyzed Concentration WWD01 201502331-0001 2/27/2015 3/6/2015 <0.40 mg/L Site: Waste Water Drum from 13th Floor Decon

- Laboratory Director NJ-NELAP Accredited:03036 or other approved signatory

The test results contained within this report meet the requirements of NELAC unless otherwise noted. This report relates only to those items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

Initial report from 03/06/2015 14:43:05

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Order ID (Lah Use Only):

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

									-			<u> </u>	99-9003
Company : OHC Environmental Engineering, Inc.					EMSL-Bill to: Different / Same If Bill to is Different note instructions in Comments**								
Street: 5420 Bay Center Drive Suite 100					Third Party Billing requires written authorization from third party								
					Zip/Postal Code: 33609 Country: United States								
Report To (Na	ame): (b)(4)							-626-8156	;				
Email Addres		I V					313-623-				Purchase (Order	
10)(7)							rovide Re		FAX		✓ E-mail Mail		
	mples Taken: MS								—l ∏aya}	ole \square	Residenti	al/Tax	Exempt
O.O. Oldie Gal	mproo ranom ···	Tu	ırnaroı	and Time (TA						,io	ricolacita	WII 1 W/	
3 Hour 6 Hour 24 Hour 48 Hour						2 Hour	☐ 96 H	$\overline{}$		1 Week		2 Week	
	*Analysis	complete	d in accc	ordance with EMS	SL's Te	ms a	nd Conditio	ons located in	the Pr				
	Matrix			Method			In	strument		Rep	oorting Li	mit	Check
Chips □ % b	oy wt. 🔲 mg/cm² 📗	ppm		SW846-7000	В		Flame A	Ntomic Absorp	otion		0.01%		
Air			NIOSH 7082				Flame A	Atomic Absor	ption		4 µg/filter	,,	
			NIOSH 7105				Graph	ute Furnace	44		.03 µg/filte		
			NIOSH 7300 modified				ICP.	-AES/ICP-MS	3).5 µg/filte		
Wipe*	ASTM		SW846-7000B				Flame A	Atomic Absor	otion	1	10 µg/wipe		
*if no hoy i	non ASTM s checked, non-ASTM		SW846-6010B or C					ICP-AES		1	.0 µg/wipe	•	
1110 2000	Wipe is assumed	i	SW846-7000B/7010				Graphite Furnace AA			0.075 µg/wipe			
TCLP			SW8	46-1311/7000B/S	M 311	1B		Atomic Absorp	otion		mg/L (ppr		
			SW84	6-1131/SW846-6		or C		ICP-AES			mg/L (ppi		
Soil		SW846-7000B			Flame Atomic Absorption Graphite Furnace AA		40 mg/kg (ppm) 0.3 mg/kg (ppm)		- 				
			 -	SW846-7010 SW846-6010B				ICP-AES	4A		mg/kg (pp ng/kg (ppr		┝╌╞┽╌┨
-			SI	M3111B/SW846-	_			Itomic Absor	ntion		mg/L (ppi		
Wastewater Unpreserved ☐ Preserved with HNO₃ pH < 2 ☐		EPA 200.9				Graphite Furnace AA				3 mg/L (p)			
		EPA 200.7			_	ICP-AES		0.020 mg/L (ppm)					
Drinking Water Unpreserved Preserved with HNO2 pH < 2			EPA 200 9			Graphite Furnace AA		4 A		03 mg/L (pp			
Preserved w	with $HNO_3 pH < 2$		EPA 200.8			ICP-MS			0 001 mg/L (ppm)				
TSP/SPM Filter			40 CFR Part 50 40 CFR Part 50			ICP-AES Graphite Furnace AA		12 µg/filter 3.6 µg/filter			┝┼┼		
Other:				40 CFR Pan :	χU		Grapi	iite Furnace /	·VA	3	s.6 µg/niter		
	/b\//4\		<u></u>		7.			Samuelau			/l= \ / /	1)	
Name of Sai	mpler: (D)(4)	Loopti			جلم	igna		Sampler me/Area			Date/T	ima s	Sampled I
Sample #	Location Waste Water Drum from 13th Floor Deco			Fire Dage	 				2/27/15 4:30pm				
WWD01	vvaste vvater Dr	rum tror	n 13th	Ploor Decon	ļ						2/2//	10.4	.Supm
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Client Samp	ole #'s	- WWD	01					Total #	of Sa	mple			
Relinquishe	ed (Client):			Date:	0	2/27	7/15		Time:		5:30 pi	n	
Received (La				Date:		2	3/15	7	ime:		16:LV	$\gamma_{\mathcal{M}}$	TUSLEY
Comments:				RESULTS	Ash	1861	4r	~			<u> </u>	<u>1</u> <u></u> .	TASI TO
	Plaase			- F-COV V 1 3	,,,			h)(/)		1		Z	MARK
								U1141					

Page 1 of ___ pages

	National Aeronautics and					DATE	ſ.	/Jarch 11, 2015			
NASA	Space Administration CONTR	RACTOR TRAN	SMITTA	LSHEE	Т						
	John C. Stennis Space Center		TOR TRANSPIRITAL SHEET					SHEET			
	Stennis Space Center, MS 39529-6000				_	1	OF	1			
	SECTION I - REQUEST FO	OR APPROVAL (To	be Initiate	, <u>.</u>		<u> </u>					
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,)R	CONT	ract no.	X	NEW SUBM	ITTAL			
	MANUFACTURER'S CERTIFICATES OF COM	/IPLIANCE		NNS	14AA30T		1				
	(See Instructions on Reverse)		I			0	RESUBMITT				
го	FROM	0014750 1110	PREVIOUS II		AL NO. (If Any)	11	RANSMITTA	L NO.			
(b)(4	HARRY PEPPER & ASS		TIE AND LOC	0			303				
200H0-GA	ION AND SECTION NO. (Cover Only One Section With Each To 02 82 33.13 Aire & Wipe Samples 3-3-15		TLE AND LOC		300-03 SOFT CO	RE PAINTIN	IG				
	DESCRIPTION OF ITEM SUBMITTED				CONTRACT REF	ERENCE	VARIATION	ACTION			
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURER	OF ITEM	NO OF	DOCUM	ENT	(See	CODE			
NO.	(See Instruction No. 3)	(See Instruction	No. 8)	COPIES	SPECIFICATION	DRAWING	Instruction	(See Instruction			
(a)	(b)	(c)		(d)	PARAGRAPH NO. (e)	SHEET NO. (f)	No. 6) (g)	No. 9 (h)			
(u) 1	Air & Wipe samples collected 3-3-15	ОНС		3	3.4.1.1.c		(g) -				
2	Wipe samples collected inside/outside deconroom 3-3			3	3.4.1.1.c	_					
						-	-	-			
3	Air & Wipe samples collected 3-4-15	OHC		3	3.4.1.1.c	-	-	-			
4	Wipe Samples Collected 3-5-15	ОНС		3	3.4.1.1.c	-	-	-			
5	Wipe Samples Collected inside/outside Cleanroom 3-5	ОНС		3	3.4.1.1.c	-	-	-			
6	Wipe Samples Collected in Cleanroom 3-8-15	ОНС		3	3.4.1.1.c	-	-	-			
7	Air Samples Collected 3-10-15	ОНС		3	3.4.1.1.c	-	-	-			
- !	-	·	_	-	-		-				
REMARKS:	3 Hard Copies included.				: the above submitt re correct and in st						
	•			drawings &	specifications, exce	ot as stated.					
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					NAME AND SI	GNATURE O	F CONTRACTO	OR .			
	SEC	CTION II - APPROV	AL ACTION	J							
ENCLOSURE	S RETURNED (List by Item No.)	NAME, TITLE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE					
	· · · · · · · · · · · · · · · · · · ·					1		1			



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax:

(813) 623-6702 03/09/15 8:59 AM

Received: Collected:

3/3/2015

Test R	eport
--------	-------

Client Sample Description

SCGW91 11th FI Clean Room Lab ID 341502213-0001 Collected:

3/3/2015

Test Pb-FLAA Method Parameter

Analyzed Area Sampled

3/9/2015

Concentration 380 µg/ft²

Client Sample Description

SCGW92

Lab ID 341502213-0002 Collected:

144 in²

3/3/2015

Outside 11th FI Clean Room

Parameter

Lead

Analyzed

Area Sampled 144 in²

Concentration 130 µg/ft²

Pb-FLAA

Test

Test

Pb-FLAA

Test

Pb-FLAA

Method 7000B

7000B

Lead

3/9/2015

Client Sample Description

S145

Lab ID 341502213-0003 Collected:

3/3/2015

10' from the Vec Loader

Method Test Pb-FLAA 7082

Parameter Lead

in Between the Dust Collector

Analyzed 3/9/2015 Volume 1060 L Concentration

<3.8 µg/m³

Client Sample Description

S146

Lab ID 341502213-0004 Collected:

3/3/2015

Pb-FLAA 7082

Method Parameter Lead

Analyzed 3/9/2015

Volume 1060 L Concentration <3.8 µg/m³

Client Sample Description

S147

Lab ID 341502213-0005 Collected:

3/3/2015

Method Test

7082

Parameter Lead

12th FI Below Decon

Analyzed 3/9/2015 Volume 960 L Concentration <4.2 µg/m³

Client Sample Description

S148

Lab ID 341502213-0006 Collected:

3/3/2015

Method

7082

13th FI Outside Decon

Lead

Parameter

Analyzed 3/9/2015 Volume 960 L Concentration <4.2 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 03/09/2015 12:57:22



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

03/09/15 8:59 AM

Collected:

3/3/2015

Test Report	T	es	t	R	е	p	o	rt
--------------------	---	----	---	---	---	---	---	----

Client Sample Description S149

Test

Lab ID 341502213-0007 Collected:

3/3/2015

14th Fl Above the Decon

Lead

Method Pb-FLAA 7082

Parameter

Volume

960 L

Concentration

<4.2 µg/m³

Client Sample Description

Lab ID 341502213-0008 Collected:

3/3/2015

Cleaning Soft Core 15 & 1

Method Test Pb-FLAA 7082

Parameter Lead

Analyzed 3/9/2015

3/9/2015

Analyzed

3/9/2015

Volume 980 L Concentration

<4.1 µg/m³

Client Sample Description

S151

Lab ID 341502213-0009 Collected:

3/3/2015

Method Parameter Test

7082

Cleaning Soft Core 15 Analyzed

Volume 980 L

Concentration

5.6 µg/m³

Client Sample Description

Pb-FLAA

Test

Pb-FLAA

S152

Lab ID 341502213-0010 Collected:

3/3/2015

Test Method Pb-FLAA 7082

Parameter Lead

12th Fl Below Decon

Lead

Analyzed 3/9/2015 Volume 1920 L

Client Sample Description

S153

Lab ID 341502213-0011 Collected:

3/3/2015

Method

7082

Parameter Lead

13th FI Outside Decon

Analyzed 3/9/2015 Volume 1920 L Concentration <2.1 µg/m³

Concentration

<2.1 µg/m³

Client Sample Description

S154

Lab ID 341502213-0012 Collected:

3/3/2015

14th FI Above the Decon

Method Test Pb-FLAA 7082

Parameter Lead

Analyzed 3/9/2015 Volume 1920 L Concentration <2.1 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 03/09/2015 12:57:22



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand

7082

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

03/09/15 8:59 AM

Collected:

3/3/2015

Test Report

Client Sample Description

Lab ID 341502213-0013 Collected:

3/3/2015

Downwind East of Stand During Large

Test Method

Pb-FLAA

Parameter Lead

Analyzed 3/9/2015 Volume 420 L Concentration

<9.5 µg/m³

Laboratory Manager or other approved signatory

"Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m². OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not delected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise. Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 03/09/2015 12:57:22



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

(**C*) 000 000										
	IC Environmental E			EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**						
Street: 5420 B	ay Center Drive Su	iite 10			Third Party Billing requires written authorization from third party					
City: Tampa	s	tate/P	rovince: FL	Zip/Posta	al Code: 3	3609	Co	ountry: United	States	
Report To (Na	me): (b)(4)			Telephor	ne #: 813-	626-8156		J. L. J. T. H. J. L.		
Email Address		(b)(4	4)	Fax#: 8	313-623-6	702	Pι	rchase Order		
Project Name/	Number: Stennis B	1 B2 T	Test Stand	Please P	rovide Res	ults: FAX	· 🗸	E-mail	Mail	
	ples Taken: MS			CT Samp	les: 🗌 Co	mmercial/Taxab	le 🗌 R	tesidential/Tax	Exempt	
		Tu	rnaround Time (TA	T) Option	s* - Pleas	e Check				
☐ 3 Hour ☐ 6 Hour ☐ 24 Hour				2 Hour	☐ 96 Hour		Week 🔲	2 Week		
	SL's Terms a		s located in the Pri	ce Guide	utina limit	Check				
	Matrix		Method			trument		rting Limit	Check	
Chips 🗆 % by	/ wt. ☐ mg/cm² ☐ i	ppm	SW846-7000	В	Flame At	omic Absorption		0.01%		
Air 24 hr.			NIOSH 708:	2	Flame At	omic Absorption		µg/filter	4	
27,111.			NIOSH 710			te Furnace AA		3 µg/filter		
			NIOSH 7300 mo			AES/ICP-MS		µg/filter		
Wipe*	ASTM		SW846-7000	B		omic Absorption		µg/wipe		
*if no box is	non ASTM [checked, non-ASTM	_	SW846-6010B	or C		CP-AES		µg/wipe		
	Wipe is assumed SW846-7000B/70		7010		e Furnace AA	0.075 µg/wipe				
1 4 41		SW846-1311/7000B/		Flame Atomic Absorption ICP-AES		0.4 mg/L (ppm) 0.1 mg/L (ppm)		ᆜ		
		SW846-1131/SW846- SW846-7000			omic Absorption	40 mg/kg (ppm)				
Soil			SW846-7000 SW846-701			te Furnace AA		g/kg (ppm)		
l			SW846-6010B			CP-AES		g/kg (ppm)		
11144	, , , , , , , , , , , , , , , , , , ,	_	SM3111B/SW846	-7000B	Flame At	omic Absorption	0.4 n	ng/L (ppm)		
Wastewater Preserved wi	Unpreserved [th HNO ₃ pH < 2		EPA 200.9		·——	e Furnace AA	0.003 mg/L (ppm)			
			EPA 200.7		ICP-AES			mg/L (ppm)		
			EPA 200 9 EPA 200.8				mg/L (ppm)			
Preserved Wi	th $HNO_3 pH < 2$	ــا	40 CFR Part							
TSP/SPM Filt	er		40 CFR Part			le Furnace AA		pg/filter		
Other:	Carried Control of the Control of th				_					
Name of San	pler: (b)(4)			Signa	ature of S	ampler:		(4)		
Sample #		.ocati	on			ne/Area		Date/Time S	Sampled	
S145	10 ft from	the \	/ec Loader		10	160L (3/03/15 6:50ar	n 15:40pm	
S146	S146 In between the Dust Collector			10	60L		3/03/15 6:50ar	n 15·40pm		
S147	S147 12th FI below Decon			96	60L		3/03/15 7.05ai	n 15:05pm		
S148	S148 13th fl outside Decon			96	60L		3/03/15 7.10a	m 15:10pm		
S149 14th Fl above the Decon			96	60L		3/03/15 7:15ai	n 15 15pm			
Client Sampl	e#'s 5:45	- SI	55 Scawbi	11 - 506	w92	Total # of Sa	amples	: 13		
Relinquished		· · · · · · · · · ·	Date:	03/04		Time:		4:30 pm		
Received (Lak				31	9/15	Time:	Q com		7	
Comments:				- ' -	1,				-	

Page 1 of ____ pages



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE (407) 599-5887 FAX: (407) 599-9063

FAX:

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled						
S150	(b)(4) cleaning soft core15 &14th floors	980L	3/03/15 7:15am 15:25pm						
S151	(b)(4) cleaning soft core15 &14th floors	980L	3/03/15 7:15am 15 [.] 25pm						
S152	12th Fl below Decon	1920L	3/03/15 15:05pm 7:05am						
S153	13th fl outside Decon	1920L	3/03/15 15.10pm 7 10am						
S154	14th Fl above the Decon	1920L	3/03/15 15.15pm 7 15am						
SCGW91	11th fl clean room	12x12	3/03/15						
SCGW92	outside 11th fl clean room	12x12	3/03/15						
S155	Down wind east of stand during large pipe demo	420L	3/03/15 13:00pm 16:30pm						
į			·						
Comments/Special Instructions:									
	***************************************	- WO-0000-110-11							

Page 2 of 2 pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax:

(813) 623-6702 03/09/15 8:59 AM

Received:

Collected:

3/3/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed Area Sampled	RDL	Lead Concentration
SCGW91 341502213-0001	3/3/2015 3/9/2015 144 in² Site: 11th FI Clean Room	10 μg/ft²	380 µg/ft²
SCGW92	3/3/2015 3/9/2015 144 in ²	10 μg/ft²	130 µg/ft²
341502213-0002	Site: Outside 11th FI Clean Room		



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe, ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in grift which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/09/2015 12:57:16

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

							-				
Company : OH	C Environmental Eng	ineerin	g, Inc.		EMSL-Bill to: Different Different Same Bill to is Different note instructions in Comments**						
Street: 5420 Ba	ay Center Drive Suite	100			T	nird Party Billing r	equires written	authoriz	ation from third pa	arty	
City: Tampa		e/Provi	nce:	FL	Zip/Postal Code: 33609 Country: United States						
Report To (Nan	ne): (b)(4)				Telephone #: 813-626-8156						
Email Address	(h	(4)			Fax #:	813-623 <u>-670</u> 2		Pi	urchase Order:		
	Number: Stennis B1 E	2 Test	Stand		Please F	rovide Results	FAX		E-mail	Mail	
	ples Taken: MS				CT Sam	oles: 🗌 Comm	ercial/Taxab	ole 🔲 F	Residen <u>tiai/Tax</u>	Exempt	
		Turna	round	Time (TA	T) Optio	rs* - Please C	heck				
☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour				96 Hour	_		2 Week				
		eted in a	accordan		L's Terms a	nd Conditions lo		ce Guide	orting Limit	Check	
	Matrix			Method		Instrui				CHECK	
Chips ☐ % by	wt. mg/cm² ppr	1	S	W846-7000E	}	Flame Atomic	Absorption		0.01%		
Air 24 hr.		- I	t	NIOSH 7082		Flame Atomic	Absorption		μg/filter	4	
44 III.			1	VIOSH 7105		Graphite Fu			3 µg/filter		
			NIOS	3H 7300 mod	ified	ICP-AES/			5 µg/filter		
Wipe*	ASTM #		S	W846-7000E	3	Flame Atomic	 -) µg/wipe		
fifna hav le	non ASTM		SW	846-6010B o	r C	ICP-A) µg/wipe		
11110 00% 18	*if no box is checked, non-ASTM Wipe is assumed SW846-7000B/70			010	Graphite Fu			75 μg/wipe			
TCLP					Flame Atomic			ng/L (ppm)			
SW846-1131/SW846-6				ICP-/			mg/L (ppm)				
Soil				W846-7000E		Flame Atomic Graphite Fu			ng/kg (ppm) ng/kg (ppm)		
		\vdash		SW846-7010 846-6010B o		ICP-/			g/kg (ppm)		
		_		1B/SW846-7		Flame Atomic			mg/L (ppm)		
Wastewater	Unpreserved ☐ th HNO₂pH < 2 ☐		EPA 200.9			Graphite Fu			mg/L (ppm)		
Preserved wi	th HNO₃ pH < 2 ☐		EPA 200.7			ICP-A		0.020 mg/L (ppm)		<u> </u>	
	er Unpreserved			EPA 200 9	Graphite Furnace AA 0.003 mg/L (ppm) ICP-MS 0.001 mg/L (ppm)			<u> </u>			
Preserved wi	th HNO₃ pH < 2 □			EPA 200.8		ICP-			1 mg/L (ppm) 2 µg/filter		
TSP/SPM Filt	er	-		OCFR Part 5 OCFR Part 5		Graphite Fu			2 μg/filter 6 μg/filter		
Other:		_		o Or ICT air o		Grapino V.		<u> </u>	<u> </u>		
	(b)(4)				Sign	ature of Sam	pler:	(b)(4	.)		
Name of Sam Sample #		ation				Volume/		1.5/1	Date/Time S	Sampled	
S145	10 ft from th		Load	ler		1060			3/03/15 6:50ar	n 15:40pm	
S146	In between th					1060	L		3/03/15 6:50a	n 15 [.] 40pm	
S147				<u> </u>	9601			3/03/15 7.05ai	n 15:05pm		
	S148 13th fl outside Decon				9601			3/03/15 7.10a	n 15:10pm		
			<u> </u>	9601			3/03/15 7:15ai				
\$149				Scaw#9	1 - 500		otal # of S	amples			
Client Sampl		≈1 35		Date:		4/15	Time:		4:30 pm		
Relinquished (Client): Received (Lab): (b)(4)			Date:	3	9/15	Time:	Q co		n		
Received (Lat	110001100 (2010)					-111-	Inno		1	-	
Jonnald.											
1											

Page 1 of ____ pages



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Oriando, FL 32804 PHONE (407) 599-5887 FAX: (407) 599-9063



Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S150	(h)(4) cleaning soft core15 &14th floors	980L	3/03/15 7:15am 15:25pm
S151	(b)(4) cleaning soft core15 &14th floors	980L	3/03/15 7:15am 15 ⁻ 25pm
S152	12th Fl below Decon	1920L	3/03/15 15:05pm 7:05am
S153	13th fl outside Decon	1920L	3/03/15 15.10pm 7 10am
S154	14th Fl above the Decon	1920L	3/03/15 15.15pm 7 15am
SCGW91	11th fl clean room	12x12	3/03/15
SCGW92	outside 11th fl clean room	12x12	3/03/15
S155	Down wind east of stand during large pipe demo	420L	3/03/15 13:00pm 16:30pm
,,,,			
4			
		,	

Page 2 of 2 pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order:

ProjectID:

OCCU56

CustomerID: CustomerPO:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand Phone:

(813) 626-8156

Fax:

(813) 623-6702 03/09/15 8:59 AM

Received: Collected:

3/4/2015

Test Report

Client Sample Description

Test

Test

Pb-FLAA

Pb-FLAA

Test

Pb-FLAA

Pb-FLAA

SCGW93

SCGW94

Lab ID 341502211-0001 Collected:

3/4/2015

13th FI Clean Room

Lead

Method 7000B

Parameter

Analyzed

3/9/2015

Area Sampled 144 in²

Concentration 660 µg/ft2

Client Sample Description

Lab ID 341502211-0002 Collected:

3/4/2015

Outside 13th FI Clean Room

Test Method Pb-FLAA 7000B

Parameter Lead

Analyzed 3/9/2015 Area Sampled 144 in²

Concentration 570 µg/ft2

Client Sample Description

7000B

Lab ID 341502211-0003 Collected:

3/4/2015

11th Fl Clean Room

Method

SCGW95

Parameter Lead

Analyzed 3/9/2015

Area Sampled 144 in²

Concentration

91 µg/ft²

Client Sample Description

SCGW96 Lab ID 341502211-0004 Collected: Outside 11th Fl Clean Room

3/4/2015

Test Method

7000B

Parameter Lead

Analyzed 3/9/2015 Area Sampled 144 in²

Concentration

400 µg/ft2

Concentration

Concentration

<3.9 µg/m³

<3.9 µg/m³

Client Sample Description

10' from the Vec Loader

Lab ID 341502211-0005 Collected:

3/4/2015

Method

Test Pb-FLAA 7082 Parameter Lead

Analyzed 3/9/2015 Volume 1020 L

Client Sample Description

S157 in Between the Dust Collector

S156

Lab ID 341502211-0006 Collected:

3/4/2015

Method 7082

Parameter

Lead

Analyzed

3/9/2015

Volume 1020 L

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level -30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 03/09/2015 12:55:23

Test Report FLAARSLTS-7.32.3 Printed: 3/9/2015 3:39:08 PM



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

CustomerPO:

ProjectID:

OCCU56

Attn:

Test

Test

Pb-FLAA

Pb-FLAA

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand Phone:

(813) 626-8156

Fax:

(813) 623-6702 03/09/15 8:59 AM

Received: Collected:

3/4/2015

Test Report

Client Sample Description

S158

Lab ID 341502211-0007 Collected:

3/4/2015

12th FI Below Decon

Lead

Method

Parameter

Analyzed

Volume

Concentration <1.4 µg/m³

Pb-FLAA

7082

3/9/2015 2900 L

3/4/2015

Client Sample Description S159

13th FI Outside Decon

Volume

Lab ID 341502211-0008 Collected:

Method Parameter 7082

S160

Analyzed 3/9/2015

2900 L

Concentration

Lead

<1.4 µg/m³

Client Sample Description

Lab ID 341502211-0009 Collected:

3/4/2015

14th FI Above the Decon

Lead

Test Method Parameter

Analyzed 3/9/2015

Volume 2900 L Concentration

<1.4 µg/m³

Concentration

<4.3 µg/m³

Client Sample Description

Personnel

Lab ID 341502211-0010 Collected:

3/4/2015

Test Pb-FLAA

Test

Test

Pb-FLAA

Pb-FLAA

Method 7082

7082

Parameter Lead

Analyzed 3/9/2015 Volume 940 L

Client Sample Description

S162 Personnel Lab ID 341502211-0011 Collected:

3/4/2015

Method

7082

Parameter Lead

Analyzed 3/9/2015

Volume

940 L

Concentration <4.3 µg/m³

Client Sample Description

S165

Lab ID 341502211-0012 Collected:

3/4/2015

10th FI Below Critical Barrier

Method 7082

Parameter Lead

Analyzed 3/9/2015 Volume 2200 L

Concentration <1.8 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/fillter: ug/fillter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 03/09/2015 12:55:23



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO:

ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone: (813) 626-8156 (813) 623-6702 Fax:

Received: 03/09/15 8:59 AM

3/4/2015

Collected: 3/4/2015

Test Report

Client Sample Description Lab ID 341502211-0013 Collected. 3/4/2015

9th FI Below Critical Barrier

Test Method Parameter Analyzed Volume Concentration Pb-FLAA 7082 Lead 3/9/2015 2200 L <1.8 µg/m³

Client Sample Description S163 Lab ID 341502211-0014 Collected:

Area Sample East Side B-2 Ground Le

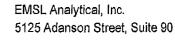
Method Parameter Test Analyzed Volume Concentration Pb-FLAA 7082 Lead 3/9/2015 910 L <4.4 µg/m³

> , Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m². OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. """ (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 03/09/2015 12:55:23

10





Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Order ID (Lab Use Only): Orlando, FL 32804

(b)(4) PHONE: (407) 599-5887

FAX: (407) 599-9063

LABORATORY-PRODUC	TTO-TRAINING			<u>u)</u>)(4)				FAX: (407) 5	99-9063	
Company: OH	C Environmenta	l Engine	ering	, Inc.	EMSL-Bill to: Different / Same						
Street: 5420 B	ay Center Drive	Suite 10	0		TH	ird Party Rilling	a requires writte	n authoi	rization from third p	artv	
City: Tampa	·	State/P		ce: FL		Zip/Postal Code: 33609 Country: United States					
Report To (Na	ne): (b)(4)				Telephone #: 813-626-8156						
Email Address	(3/(-/	(b)(/	1)			Fax #: 813-623-6702 Purchase Order					
	Number: Stennis	B1 B2 T	est S	Stand		rovide Resul				Mail	
	ples Taken: MS							ole 🗀	Residential/Tax	Exempt	
		Tu	rnard	ound Time (T/	T) Options* - Please Check						
☐ 3 Hour	■ 6 Hour	a 24		☐ 48 Hou			🗌 96 Hour			2 Week	
		complete	d in acc	cordance with EM	SL's Terms a					Charle	
China File/ I	Matrix	7		Method			ument	Rep	orting Limit	Check	
	wt. 🗌 mg/cm² [_l bbm		SW846-7000	IB	Flame Atom	nic Absorption		0.01%		
Air 24 hr.				NIOSH 708	2	Flame Atom	nic Absorption		4 μg/filter	X	
27711.				NIOSH 710			Furnace AA		.03 µg/filter		
				NIOSH 7300 mg			S/ICP-MS	_).5 µg/filter		
Wipe* (6hr.	MTSA MTSA non	×		SW846-7000			ic Absorption		10 µg/wipe	X	
*if no box is	checked, non-ASTM			SW846-6010B			-AES		.0 μg/wipe		
TOUR			SW846-7000B/)75 µg/wipe			
TCLP			/846-1311/7000B/ 346-1131/SW846-			-AES		mg/L (ppm) mg/L (ppm)			
Soil			0,,,	SW846-7000			ic Absorption		mg/kg (ppm)		
50.1				SW846-701			Furnace AA		mg/kg (ppm)		
				SW846-6010B			-AES		ng/kg (ppm)		
Wastewater	Unpreserved			SM3111B/SW846			ic Absorption		mg/L (ppm)		
Preserved wit	h HNO₃ pH < 2			EPA 200.9 EPA 200.7		<u> </u>	Furnace AA -AES		3 mg/L (ppm) 0 mg/L (ppm)		
Drinking Wat	er Unpreserved			EPA 200.9			urnace AA		03 mg/L (ppm)		
	h HNO₃pH < 2			EPA 200 8		ICF	P-MS)1 mg/L (ppm)		
TSP/SPM Filt	er			40 CFR Part			-AES		12 µg/filter		
Other:	·			40 CFR Part	50	Graphite i	urnace AA	3	.6 μg/filter	 	
		/1 X /	4)		Cinna	ture of Com		/1-	\		
Name of Sam Sample #	pier:	Location	<u>4)</u>		Signa	ture of San Volume		a))(4) Date/Time S	ampled	
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\$ 157				1020				0655			
\$ 158				2900			3-4-15	0705			
\$ 159		outsid				2900			3-4-15	0715	
\$ 160			 	290			3-4-15	0715			
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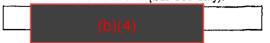
Page 1 of 2 pages

2



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX (407) 599-9063



Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample#		Location		Volume/Area Date/Time Sampled						
S 161	Personnel			940	3-4-1	0720 5 1510				
	Personnel	(b)(4)		940	3-4-1	5 1510				
S 165		below critical	barrier	2200	3-4-15	/325 0745				
S 164		oelow critical l	barrier	2200	3-4-15	1330				
S 163	Area Samp	le East fid. 8-2	Ground Level	910	3-4-15	0755				
scgw 93	13	th fl clean roo	m	12× 12"	3-4-19	7715				
scgw 94	Outsid	e 13th fl clear	room	12X12"	3-4-15	1719				
scgw q5	11	th fl clean roo	m	12×12"	3-4-15	1730				
scgw 96	Outside	e 11th fl clear	room	12× 12"	3-4-15	1735				
Comments/S	pecial instruction	ns:				,				

 $\mathsf{Page} \, \underline{2} \, \mathsf{of} \, \underline{2} \, \mathsf{pages}$



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

CustomerPO: ProjectID:

EMSL Order:

CustomerID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

03/09/15 8:59 AM

Collected:

3/5/2015

Test Report

SCGW97 Client Sample Description

Test

Test

Test

Test

Test

Pb-FLAA

Pb-FLAA

Pb-FLAA

Pb-FLAA

Pb-FLAA

Lab ID 341502212-0001 Collected: 3/5/2015

13th FI Clean Room

Lead

Method

Parameter

Analyzed

Area Sampled

144 in²

Concentration

170 µg/ft²

Client Sample Description

SCGW98

Lab ID 341502212-0002 Collected.

3/5/2015

Outside 13th FI Clean Room

Method 7000B

7000B

Parameter Lead

Analyzed 3/9/2015

3/9/2015

Area Sampled 144 in²

Concentration 130 µg/ft2

Client Sample Description

SCGW99

Lab ID 341502212-0003 Collected:

3/5/2015

Method

Outside 11th FI Clean Room Parameter

Lead

Analyzed 3/9/2015

Area Sampled 144 in²

120 µg/ft2

Concentration

Concentration

Concentration

<4.0 µg/m³

<4.0 µg/m³

Client Sample Description

S166

Lab ID 341502212-0004 Collected:

3/5/2015

Method 7082

7000B

Parameter Lead

10' from the Vec Loader

Analyzed 3/9/2015 Volume 1010 L

Client Sample Description

S167

Lab ID 341502212-0005 Collected:

3/5/2015

in Between the Dust Collector

Method Test Pb-FLAA 7082

Parameter Lead

Analyzed 3/9/2015 Volume 1010 L

Client Sample Description

S168

Lab ID 341502212-0006 Collected:

3/5/2015

12th FI Below Decon

Method 7082

Parameter Lead

Analyzed 3/9/2015 Volume 2890 L Concentration <1.4 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter, ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 03/09/2015 12:56:28



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702

03/09/15 8:59 AM

Collected:

3/5/2015

Test Report

Client Sample Description

Lab ID 341502212-0007 Collected:

3/5/2015

13th FI Outside Decon

Test Method Parameter

Analyzed

Volume

Concentration

Pb-FLAA

7082

Lead

3/9/2015

2890 L

<1.4 µg/m³

Client Sample Description

S170

S169

Lab ID 341502212-0008 Collected:

3/5/2015

14th FI Above the Decon

Method

Parameter

Analyzed 3/9/2015

ADS Cleaning and Wipin

Analyzed

3/9/2015

Volume 2890 L Concentration

Concentration <4.3 µg/m³

<1.4 µg/m³

Pb-FLAA

Pb-FLAA

Pb-FLAA

Test

Test

Pb-FLAA

Pb-FLAA

Test

7082

Lead

Client Sample Description

S171

Lab ID 341502212-0009 Collected:

3/5/2015

Test Method

Parameter

Volume 920 L

Client Sample Description

S172

Lab ID 341502212-0010 Collected:

3/5/2015

Test

Method 7082

7082

Parameter Lead

Lead

Analyzed 3/9/2015

DS Cleaning and W

Volume 920 L

Concentration <4.3 µg/m³

Client Sample Description

Lab ID 341502212-0011 Collected:

3/5/2015

10th FI Below Critical Barrier

Method 7082

Parameter Lead

Analyzed 3/9/2015 Volume 2880 L

Concentration <1.4 µg/m³

Client Sample Description

S174

Lab ID 341502212-0012 Collected.

3/5/2015

9th FI Below Critical Barrier

Method 7082

Parameter Lead

Analyzed 3/9/2015 Volume 2880 L Concentration <1.4 µg/m³

or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter, ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 03/09/2015 12:56:28



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Method

Stennis B1 B2 Test Stand

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

03/09/15 8:59 AM

Collected:

3/5/2015

Test Report

Client Sample Description

Lab ID 341502212-0013 Collected:

3/5/2015

HPA Grinding-Welding o Parameter

Analyzed

3/9/2015

Pb-FLAA

Test

7082 Lead

S175

504 L Lab ID 341502212-0014 Collected:

Volume

3/5/2015

Client Sample Description \$176 HPA Grinding-Welding

Test Method Pb-FLAA 7082

Parameter Analyzed Lead 3/9/2015 Volume 1440 L Concentration <2.8 µg/m³

Concentration

<7.9 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action Initiations This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 03/09/2015 12:56:28

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only).

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

			EMSL-Bill to: Different / Same								
Company: OH	C Environmental	Engine	ering, Inc.		If Bill to is Different note instructions in Comments**						
Street: 5420 Ba	ay Center Drive S	uite 10	0		Third Party Billing requires written authorization from third party						
City: Tampa		State/P	rovince:	FL	Zip/Postal Code: 33609 Country: United States						
Report To (Nan	ne): (b)(4)				Telephone #: 813-626-8156						
Email Address:		Fax#: 8	13-623-6702			rchase Order:					
Project Name/N	lumber: Stennis		ovide Results:	FAX			Mail				
	ples Taken: MS					les: 🔲 Commerc		le 🗌 F	lesidential/Tax	Exempt	
		Tu				s* - Please Che				211/	
🗌 3 Hour	■ 6 Hour	24		48 Hour			Hour			2 Week	
*Analysis completed in accorda					L's Terms ai	na Conditions locate		e Guide Reno	rting Limit	Check	
A17	Matrix			Method					0.01%		
	wt. 🗌 mg/cm² 📋] ppm	SV	V846-7000B	·····	Flame Atomic Ab					
Air 24 hr.				IOSH 7082		Flame Atomic Ab			µg/filter		
∠ ₩ III.				IIOSH 7105		Graphite Furna			3 µg/filter		
	to the second			H 7300 mod		ICP-AES/ICP			5 µg/filter		
Wipe* 6hr	ASTM			W846-7000E		Flame Atomic Ab) µg/wipe		
1	checked, non-ASTM			46-6010B o		ICP-AES) µg/wipe	- 	
Wipe is assumed				46-7000B/70		Graphite Furnace AA Flame Atomic Absorption		0.075 µg/wipe 0.4 mg/L (ppm)			
TCLP				11/7000B/S 31/SW846-6		ICP-AES		0.4 mg/L (ppm)			
Call				N846-7000E		Flame Atomic Ab			ig/kg (ppm)		
Soil				W846-7010		Graphite Furna	_		ng/kg (ppm)		
				346-6010B o	r C	ICP-AES		the second second	g/kg (ppm)		
Wastewater	Unpreserved	П		1B/SW846-7	7000B	Flame Atomic Ab	_•		ng/L (ppm)		
	th HNO ₃ pH < 2		EPA 200.9 EPA 200.7						mg/L (ppm) mg/L (ppm)		
			EPA 200.9			The second secon			mg/L (ppm)		
	er Unpreserved th HNO ₃ pH < 2		EPA 200.8						1 mg/L (ppm)		
			40	21200-		ICP-AES		12 µg/filter			
TSP/SPM Filt	er		40	CFR Part 5	0	Graphite Furna	ice AA	3	6 µg/filter		
Other:											
Name of Sam	pler: (b)(4	.)			Signa	ture of Sample					
Sample #		Locati	on			Volume/Are	ea		Date/Time		
S166	10 ft from	n the '	Vec Load	er		1010L			3/5/15 06:5		
S167	167 In between the Dust Collector				1010L	····		3/5/15 06:5	55 15:20		
S168	12th Fl below Decon				2890			3/5/15 07:	15 0720		
\$169	S169 13th fl outside Decon					2890			3/5/15 07:	20 0725	
S170 14th FI above the Decon			in		2890			3/5/15 07:	25 0730		
			N97 thru SCG	W99	Tot	al # of S	amples	14			
Relinquished (Client); (b)(4)) ,	Date:	03/06	6/15	Time:		4:30 pm			
Received (La				9;	36/16 - 8:59/1 m						
Comments:		(b)(4)				7					
	1										

Page 1 of 2 pages

2



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE: **(407)** 599-5887 FAX: **(407)** 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S171	(ADS)/ cleaning and wiping level 13 on down, S/C	920L	3/5/15 07:30 15:10
S172	(ADS)/ cleaning and wiping level 13 on down, S/C	920L	3/5/15 07:30 15:10
S173	10th FI below critical barrier	2880L	3/5-6/15 7:45 0745
S174	9th FI below critical barrier	2880L	3/5-6/15 7:50 0750
S175	(b)(4) (HPA)/ grinding-welding on metal deck	504L	3/5/15 13:30 17:42
S176	(h)(4) (HPA)/ grinding-welding on metal deck	1440L	3/5/15 18:00 06:00
SCGW97	13th fl clean room	12x12	3/5/15 1700
SCGW98	Outside 13th fl clean room	12x12	3/5/15 1710
SCGW99	Outside 11th fl clean room	12x12	3/5/15 1725
		A 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Comments/S _i	pecial Instructions:		

Page 2 of 2 pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand Phone:

Fax:

(813) 626-8156 (813) 623-6702

Received:

03/09/15 8:59 AM

Collected:

3/5/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed Area Sampled	RDL	Lead Concentration
SCGW97 341502212-0001	3/5/2015 3/9/2015 144 in² Site: 13th FI Clean Room	10 μg/ft²	170 μg/ft²
SCGW98 341502212-0002	3/5/2015 3/9/2015 144 in² Site: Outside 13th FI Clean Room	10 μg/ft²	130 µg/ft²
SCGW99 341502212-0003	3/5/2015 3/9/2015 144 in² Site: Outside 11th FI Clean Room	10 µg/ft²	120 µg/ft²

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/09/2015 12:56:21



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only).

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Common, OH	C Environmental	Engine	ering, Inc.		EMSL-Bill to: Different / Same					
Street 5420 B	ay Center Drive S	Suite 10	0		TL					antu
City: Tampa	ay comer bire		rovince: FL	7		ird Party Billing requi	res writteri		ountry: United	
	75\/ (b)/(4)	Diaten	TOTHIOG. TE		Telephone #: 813-626-8156					
Report To (Nar					Fax #: 813-623-6702 Purchase Order:					
Email Address		_(b)(4	ost Stand				FAX			Mail
	Number: Stennis	01021	- CSL Stand			rovide Results:				
U.S. State Sam	ples Taken: MS	7				les: Commerc		е 🗀 і	Residentiali i ax	Exempt
3 Hour	■ 6 Hour	2 4			AT) Options* - Please Check r					
3 HOU!			d in accordance with							
	Matrix		Meth			Instrumer		Rep	orting Limit	Check
Chips □ % by	% by wt. ☐ mg/cm² ☐ ppm SW846-7000		000B		Flame Atomic Abs	orption		0.01%		
Air 24 hr.			NIOSH	7082		Flame Atomic Abs	orption	4	µg/filter	4
24 nr.	24 nr.			7105		Graphite Furnac	e AA	0.0	03 μg/filter	
			NIOSH 7300	modifie	ed	ICP-AES/ICP-	MS	0.	5 µg/filter	
Wipe* 6hr	ASTM		SW846-7	000B		Flame Atomic Abs	orption	10) μg/wipe	
. 410	non ASIM		SW846-601	0B or C	;	ICP-AES		1.	0 μg/wipe	
SI XOD OILIF	checked, non-ASTM Wipe is assumed	i	SW846-700	0B/7010)	Graphite Furnac	e AA	0.0	75 µg/wipe	
TCLP			SW846-1311/700	OB/SM :	3111B	Flame Atomic Abs	sorption	0.4	mg/L (ppm)	
SW846-1131/SW846				46-6010	OB or C	ICP-AES			mg/L (ppm)	
Soil		SW846-7			Flame Atomic Abs			ng/kg (ppm)		
			SW846-			Graphite Furnac	e AA		ng/kg (ppm)	
			SW846-601 SM3111B/SW			Flame Atomic Abs	orntion		g/kg (ppm) mg/L (ppm)	
Wastewater	Unpreserved		EPA 20		700	Graphite Furnac			mg/L (ppm)	
Preserved with	th HNO ₃ pH < 2		EPA 200.7			ICP-AES			mg/L (ppm)	
Drinking Wat	er Unpreserved		EPA 200.9			Graphite Furnac	e AA		3 mg/L (ppm)	
Preserved with	th HNO ₃ pH < 2		EPA 20	8.00		ICP-MS			1 mg/L (ppm)	
TSP/SPM Filt	er		40 CFR F			ICP-AES	- 00		2 µg/filter	
			40 CFR P	art 50	·	Graphite Furnac	e AA		6 μg/filter	
Other:			<u> </u>		1				\	
Name of Sam	pler: (b)(4)	1 4			Signa	ture of Sampler Volume/Are		(1	Date/Time S	Sampled
Sample #	40 tt F	Locati				1010L	<u>a</u>		3/5/15 06:5	
S166			Vec Loader							
S167					·	1010L	_		3/5/15 06:5	
S168	S168 12th FI below Decon					2890			3/5/15 07:	
S169	S169 13th fl outside Decon				2890			3/5/15 07:		
S170 14th FI above the Decon					2890			3/5/15 07:	25 0730	
Client Sampl	e #'s	≈ S166 t	o \$176 \$CGW97 thru	SCGW99			# of Sa	mples	1	
Relinquished (Client); (b)(4)		4) Dat	te:	03/06	3/15	Time:	~ / /	4:30 pm		
Received (Lat (h)(4)		Dat	e:	3/	9/15	Time:	5 25	lam		
Received (Lat (b)(4) Comments:								_		;
1										
I										

Page 1 of 2 pages



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S171	(h)(4) (ADS)/ cleaning and wiping level 13 on down, S/C	920L	3/5/15 07:30 15:10
S172	(ADS)/ cleaning and wiping level 13 on down, S/C	920L	3/5/15 07:30 15:10
S173	10th FI below critical barrier	2880L	3/5-6/15 7:45 0745
S174	9th FI below critical barrier	2880L	3/5-6/15 7:50 0750
S175	(b)(4) HPA)/ grinding-welding on metal deck	504L	3/5/15 13:30 17:42
S176	(h)(4) (HPA)/ grinding-welding on metal deck	1440L	3/5/15 18:00 06:00
SCGW97	13th fl clean room	12x12	3/5/15 1700
SCGW98	Outside 13th fl clean room	12x12	3/5/15 1710
SCGW99	Outside 11th fl clean room	12x12	3/5/15 1725
Comments/S	pecial Instructions;		

Page 2 of 2 pages



5125 Adanson Street, Suite 900, Orlando, FL 32804 (407) 599-5887 / (407) 599-9063 Phone/Fax

http://www.EMSL.com orlandolab@emsl.com

ProjectID:

EMSL Order:

OCCU56

CustomerID: CustomerPO:

Attn:

Project: Stennis

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

(813) 626-8156 Phone:

(813) 623-6702 Fax: Received: 03/10/15 11:00 AM

Collected: 3/8/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed	Area Sampled	RDL	Lead Concentration
SCGW100 341502266-0001	3/8/2015 3/10/2015 Site: Inside 13th FI Clear	144 in² n Room	10 μg/ft²	32 µg/ft²
SCGW101 341502266-0002	3/8/2015 3/10/2015 Site: Outside 13th FI Cle	144 in² ean Room	10 μg/ft²	<10 µg/ft²
SCGW102 341502266-0003	3/8/2015 3/10/2015 Site: Inside 11th FI Clea	144 in² n Room	10 μg/ft²	51 μg/ft²
SCGW103 341502266-0004	3/8/2015 3/10/2015 Site: Inside 11th FI Befo	144 in² re Dirty Room	10 μg/ft²	320 μg/ft²
SCGW104 341502266-0005	3/8/2015 3/10/2015 Site: Blank	0 in²	10 μg/wipe	<10 µg/wipe



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependent on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "c" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/10/2015 13:18:55



Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE. (407) 599-5887 FAX' (407) 599-9063

EMSL Analytical, Inc.

					15/6	- C	
Company: OH	C Environmental Engine	ering, Inc.			nt note instructi	ferent Same	
Street: 5420 Ba	ay Center Drive Suite 10				res written au	thorization from third p	arty
City: Tampa		rovince: FL		I Code: 33609		Country: United	States
Report To (Nam	<u>ne): (b)(4) </u>			e #: 813-626-81	00		
Email Address:		!)	Fax #: 8	13-623-6702		Purchase Order:	Mail
Project Name/N	lumber: Stennis			ovide Results:	FAX		
U.S. State Sam	ples Taken: MS			les: 🗌 Commerci		Residential/Tax	Exempt
		rnaround Time (TA					0.10/2-2/2
☐ 3 Hour		Hour 48 Hour		Hour 96			2 Week
		d in accordance with EMS Method	L's Terms ar	instrumer	t R	Reporting Limit	Check
China Flatha	Matrix wt. ☐ mg/cm² ☐ ppm	SW846-70008	3	Flame Atomic Abs		0.01%	
	wt □ mg/cm □ ppm			NOTE OF THE PERSON NAMED O			
Air		NIOSH 7082		Flame Atomic Abs		4 µg/filter	
		NIOSH 7105 NIOSH 7300 mod		Graphite Furnac		0.03 µg/filter 0.5 µg/filter	
E 8 2 1		SW846-7000E		Flame Atomic Abs		10 µg/wipe	×
Wipe*	ASTM 区 non ASTM □	SW846-6010B o		ICP-AES		1.0 µg/wipe	
*if no box is	checked, non-ASTM Wipe is assumed	SW846-7000B/7		Graphite Furnac	e AA	0.075 µg/wipe	
TCLP		SW846-1311/7000B/S		Flame Atomic Absorption		0.4 mg/L (ppm)	
1021		SW846-1131/SW846-6		ICP-AES		0.1 mg/L (ppm)	
Soil		SW846-7000I	В	Flame Atomic Abs		40 mg/kg (ppm)	<u> </u>
		SW846-7010		Graphite Furnac	e AA (0.3 mg/kg (ppm)	
		SW846-6010B (ICP-AES Flame Atomic Abs		2 mg/kg (ppm) 0.4 mg/L (ppm)	
Wastewater	Unpreserved	SM3111B/SW846- EPA 200 9	70008	Graphite Furnac		0.4 (tig/L (pptt)	
Preserved wit	th HNO₃pH < 2 ☐	EPA 200 9		ICP-AES		.020 mg/L (ppm)	
Drinking Wat	er Unpreserved	EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)	
	th HNO ₃ pH < 2	EPA 200 8		ICP-MS		0.001 mg/L (ppm)	
TSP/SPM Filt	er	40 CFR Part 5		ICP-AES		12 µg/filter	
		40 CFR Part 8	50	Graphite Furnac	DE AVA	3.6 µg/filter	
Other:		A	C:	ture of Sampler		(b)(4)	
Name of Sam	nple r: (b)(4) Locati		Signa	Volume/Are		Date/Time	Sampled
Sample #	Inside 13th floo			12X12		3/8/	
SCGW100				12X12		3/8/	
SCGW101	Outside 13th floo			12X12		3/8/	
SCGW102	Inside 11th floo				· · · · · ·	3/8/	
SCGW103	Inside 11th floor b			12X12	····		
SCGW104	Blar		<u></u>	T .1	1 # of Co	3/8/	IJ
Client Sampl	e#'s - SCG	W100 SCGW104	100,20		l # of Sam		
Relinguished (Client):					Time:		
Received (Lab	b): (b)(Date:	[3]1	0/15	Time:	llam	
Comments:			•				1

Page 1 of ____ pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax:

(813) 623-6702 03/10/15 11:00 AM

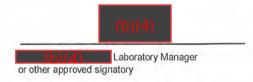
Received:

3/6/2015

Collected:

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed V	olume	RDL	Lead Concentration
S176 341502267-0001	3/6/2015 3/10/2015 102 Site: 10' from the Vec Loader	20 L	3.9 µg/m³	<3.9 µg/m³
S178 341502267-0003	2121272	60 L own 13th - 11th FI	4.2 μg/m³	<4.2 μg/m³
S179 341502267-0004	and the state of t	80 L wn 13th - 11th FI	4.2 μg/m³	<4.2 μg/m³
S180 341502267-0005	3/6/2015 3/10/2015 92 Site: 12th FI Below Decon	20 L	4.3 μg/m³	<4.3 μg/m³
S181 341502267-0006	3/6/2015 3/10/2015 92 Site: 13th FI Outside Decon	20 L	4.3 μg/m³	<4.3 μg/m³
S182 341502267-0007	3/6/2015 3/10/2015 92 Site: 14th FI Above the Decon	20 L	4.3 μg/m³	<4.3 μg/m³
S183 341502267-0008	3/6/2015 3/10/2015 93 Site: 10th FI Below Critical Barri	00 L er	4.3 μg/m³	<4.3 μg/m³
S184 341502267-0009	3/6/2015 3/10/2015 93 Site: 9th FI Below Critical Barrie	80 L	4.3 μg/m³	<4.3 μg/m³
S185 341502267-0010	2010 100 100 EN DESCRIPTION	04 L ng-Welding on Metal Deck	7.9 µg/m³	<7.9 μg/m³
S186 341502267-0011	PARTIES D. S. L. COLLEGE DE L'ACTUAL DE L'	10 L ling-Welding on Metal Deck	2.8 µg/m³	<2.8 μg/m³
S187 341502267-0012	Contract to the contract of th	50 L ni Cont. under Flame Bucket	5.3 μg/m³	160 μg/m³



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/10/2015 16:09:39



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100 Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156 (813) 623-6702

Received: Collected:

Fax:

03/10/15 11:00 AM

3/6/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S188 341502267-0013	3/6/2015 3/10/2015 Site: Blank QA/QC	0 L	4.0 μg/filter	<4.0 µg/filter
S189 341502267-0014	3/6/2015 3/10/2015 Site: 10' Downwind of D	1070 L numpster Clean-up	3.7 μg/m³	<3.7 μg/m³
S190 341502267-0015	3/6/2015 3/10/2015 Site: (b)(4) ADS F	1080 L Roof Containment Re-prep	3.7 μg/m³	<3.7 μg/m³
S191 341502267-0016	3/6/2015 3/10/2015 Site: (b)(4)	1080 L ADS Spot Abatement 7th FI	3.7 μg/m³	<3.7 μg/m³
S192 341502267-0017	3/6/2015 3/10/2015 Site: (h)(4) ADS E	1098 L Dumpster Clean-up	3.6 µg/m³	<3.6 μg/m³
S193 341502267-0018	3/6/2015 3/10/2015 Site: 14th FI Above the	1040 L Decon	3.8 µg/m³	<3.8 μg/m³
S194 341502267-0019	3/6/2015 3/10/2015 Site: 13th FI Outside De	1040 L econ	3.8 µg/m³	<3.8 μg/m³
S195 341502267-0020	3/6/2015 3/10/2015 Site: 12th FI Below Dec	1040 L on	3.8 µg/m³	<3.8 µg/m³



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/10/2015 16:09:39

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

(b)(4)

Orlando, FL 32804 PHONE (407) 599-5887

		X 7 X	<u>'</u>			1 ~ (407)	599-9063
Company : OH	C Environmental Engin	eering, Inc.		EMS L If Bill to is	-Bill to: Different note instr	Different / Sa auctions in Comments**	me
Street 5420 Ba	ay Center Drive Suite 1	00	Th	ırd Partv Rillind	reguires written	authorization from thir	d party
City: Tampa		Province: FL	Zip/Posta	l Code: 336	309	Country: Unit	
Report To (Nan	ne): (b)(4)		Telephon	e #: 813-62	6-8156		
Email Address		4)	Fax #: 8	313-623-670)2	Purchase Ord	ler:
	Number: Stennis B1 B2	Test Stand		rovide Resul	7	✓ E-mail	Mail
	ples Taken: MS					le 🔲 Residential/	ax Exempt
U.S. State Sam	iples raken: WO	urnaround Time (TA				ic	
3 Hour	T	Hour 48 Hour		2 Hour	96 Hour	1 Week	2 Week
☐ 3 HOU		ed in accordance with EMS				,,	
	Matrix	Method	.20 1011110 4		ument	Reporting Limi	t Check
Chips 🗌 % by	/ wt. mg/cm² ppm	SW846-70008	3	Flame Atom	ic Absorption	0.01%	
Air 24 hr.		NIOSH 7082		Flame Atom	nc Absorption	4 μg/filter	X
2 7 III.		NIOSH 7105			Furnace AA	0.03 µg/filter	
		NIOSH 7300 mod	lified	ICP-AES	S/ICP-MS	0.5 μg/filter	
Wipe*	ASTM [SW846-7000	SW846-7000B Flame Atomic Absorption		10 μg/wipe		
if no bax is	non ASTM Checked, non-ASTM	SW846-6010B or C ICP-AES		1.0 µg/wipe	<u> </u>		
	Wipe is assumed	SW846-7000B/7			0.075 µg/wipe		
TCLP		SW846-1311/7000B/SM 3111B Flame Atomic Absorption			0.4 mg/L (ppm)	1 4	
		SW846-1131/SW846-6	SW846-1131/SW846-6010B or C ICP-AES			0.1 mg/L (ppm)	
Soil	- 	SW846-7000		Flame Atomic Absorption Graphite Furnace AA		40 mg/kg (ppm)	
		SW846-7010 SW846-6010B of		ICP-AES		0.3 mg/kg (ppm 2 mg/kg (ppm)	
, , , , , , , , , , , , , , , , , , , ,		SM3111B/SW846-		Flame Atomic Absorption		0.4 mg/L (ppm)	
Wastewater	Unpreserved ☐ th HNO₃ pH < 2 ☐	EPA 200.9			Furnace AA	0.003 mg/L (ppm	
Preserved wi	th HNO₃ pH < 2 ☐	EPA 200.7		ICP-AES		0.020 mg/L (ppm	
Drinking Wat	ter Unpreserved	EPA 200.9	······································	Graphite Furnace AA		0.003 mg/L (ppm)	
	th HNO₃ pH < 2 □	EPA 200.8		IÇF	P-MS	0 001 mg/L (ppm)	
TSP/SPM Fill	lor	40 CFR Part 8			-AES	12 µg/filter	
	rei	40 CFR Part 8	50	Graphite I	Furnace AA	3.6 µg/filter	
Other:							
Name of Sam			Signa	ture of San		(b)(4)	
Sample #	Loca	tion		Volume			e Sampled
S176	10 Ft from the	Vec Loader	<u> </u>	1,02	10L		3:55 15:25
S177	In between the	Dust Collector	ļ	VO	ID		5 6:55 -
S178	(b)(4) Clean wip	e down 13th - 11th fl.		960	DL		7:15 15:15
S179	\$179 (b)(4) Clean wipe down 13th - 11th fl			960	DL		7:15 15:15
\$180 12th FI below Decon 920L 3/6/1						7:20 15:00	
Client Sampl	le#'s - \$176	to \$196]	Total # of Sa		
Relinquished	d (Client): 1 (b)(4)	Date:	03/08		Time:	4:30 pm	
Received (I		ıte:		3/10/15	Time:	1/am	•
Comments			J.				
[•						
1							

Page 1 of 2 pages



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE (407) 599-5887 FAX (407) 599-9063



Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S181	13th fl outside Decon	920L	3/6/15 7:25 15:05
S182	14th FI above the Decon	920L	3/6/15 7:30 15:10
S183	10th FI below critical barrier	930L	3/6/15 7:45 15:30
S184	9th FI below critical barrier	930L	3/6/15 7:50 15:35
S185	(b)(4) HPA)/ grinding-welding on metal deck	504L	3/6/15 13:30 17:42
S186	(b)(4) (HPA)/ grinding-welding on metal deck	1,4 4 0L	3/6/15 18:00 06:00
S187	(b)(4) ADS)/ mini cont. under flame bucket	750L	3/7/15 7:45 14:00
S188	Blank - QA/QC	0L	3/7/15
S189	10' Down wind of dumpster clean-up	1,070L	3/8/15 8:16 17:11
S190	(b)(4) \DS)/ Roof Containment re-prep.	1,080L	3/8/15 8:02 17:02
S191	(b)(4) ADS)/ Spot abatement 7th fl	1,080L	3/8/15 8:02 17:02
\$192	(b)(4) (ADS)/Dumpster clean-up	1,098L	3/8/15 8:02 17:11
S193	14th FI above the Decon	1,040L	3/8/15 8:27 17:07
S194	13th Fl outside Decon	1,040L	3/8/15 8:28 17:08
S195	12th FI below Decon	1,040L	3/8/15 8:29 17:09
S196	Blank - QA/QC	0L	3/8/15
Comments/Sp	pecial Instructions:		

Page 2 of 2 pages

	National Aeronautics and	****					DATE	N	March 11, 2015
	Space Administration CONITI		DEDAN	CRAITTAI	CHEE	т			
	John C. Stennis Space Center	KACIOI	KIKAN	SMITTA	r succ	ı		SHEET	
	Stennis Space Center, MS 39529-6000		411.00				1	OF	1
	SECTION I - REQUEST FO	OR APPRO	OVAL (To	be Initiate	d by the	Contractor)		
<u>' -</u>	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA	, MATERIAL	SAMPLES, C)R	CONT	TRACT NO.	Х	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COI	MPLIANCE			NINIC	14AA30T			
	(See Instructions on Reverse)				14142	14AA301	0	RESUBMITT	AL
TO	FROM			PREVIOUS TR	RANSMITTA	AL NO. (If Any)	TF	RANSMITTA	L NO.
	4) HARRY PEPPER & ASS	SOCIATES,	INC.		0			304	
SPECIFICAT	ION AND SECTION NO. (Cover Only One Section With Each T		PROJECT T	ITLE AND LOC	ATION				
200H0-GA	04 02 82 33.13 TCLP Samples of grid media	OHC	<u> </u>		SL430WFI	B00-03 SOFT CO			T
	DESCRIPTION OF ITEM SUBMITTED					CONTRACT REF		VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	1	JFACTURER		NO OF	DOCUM		(See	CODE
NO.	(See Instruction No. 3)	(See	Instruction	No. 8)	COPIES	SPECIFICATION PARAGRAPH NO.	DRAWING SHEET NO.	No. 6)	(See Instruction No. 9
(a)	(b)		(c)		(d)	(e)	(f)	(g)	(h)
1	TCLP Samples of grid media Collected 2-26-15	ОНС			3	3.4.1.1.c	-	-	
_	-			-	-	_	_	-	_
i _	-	***		_	_	_	_	_	_
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-	-			-	_	-	-	-	-
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_	-			_	-	-	-	-	_
-	-			-	-	-	-	-	_
REMARKS:	3 Hard Copies included.					the above submitter to correct and in st			
						specifications exce			
					_	NAME AND SI	GNATURE O	F CONTRACTO	OR
	SE	CTION II -	APPROV	AL ACTION	1				
ENCLOSURI	ES RETURNED (List by Item No.)	NAME, TIT	LE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		
							Ì		
ı		1					I		



200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

3/10/2015

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone: (813) 626-8156 Fax: (813) 623-6702

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 3/3/2015. The results are tabulated on the attached data pages for the following client designated project:

Stennis

The reference number for these samples is EMSL Order (b)(4) Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (b)(4)





The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com

EnvChemistry2@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Project: Stennis

Phone: Fax:

Received:

(813) 626-8156 (813) 623-6702

03/03/15 10:30 AM

Analytical Populto

		Analytical	Result	ts				
Client Sample Descri	ption WC01 Red Roll Off Box			Collected:	2/26/2015 8:30:00 AM	Lab ID:	0001	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
TCLP 1311/6010C	Arsenic	ND	0.10	mg/L	3/5/2015	JS	3/6/2015	BE
TCLP 1311/6010C	Barium	2.6	0.50	mg/L	3/5/2015	JS	3/6/2015	BE
TCLP 1311/6010C	Cadmium	ND	0.10	mg/L	3/5/2015	JS	3/6/2015	BE
TCLP 1311/6010C	Chromium	ND	0.10	mg/L	3/5/2015	JS	3/6/2015	BE
TCLP 1311/6010C	Lead	9.3	0.10	mg/L	3/5/2015	JS	3/6/2015	BE
exceeds the 5.0 mg/L regu	latory limit							
TCLP 1311/6010C	Selenium	ND	0.10	mg/L	3/5/2015	JS	3/10/2015	BE
TCLP 1311/6010C	Silver	ND	0.10	mg/L	3/5/2015	JS	3/6/2015	BE
Client Sample Descri	ption WC02 Blue Roll Off Box			Collected:	2/26/2015 8:35:00 AM	Lab ID:	0002	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
TCLP 1311/6010C	Arsenic	ND	0.10	mg/L	3/5/2015	JS	3/6/2015	BE
TCLP 1311/6010C	Barium	2.5	0.50	mg/L	3/5/2015	JS	3/6/2015	BE
TCLP 1311/6010C	Cadmium	ND	0.10	mg/L	3/5/2015	JS	3/6/2015	BE
TCLP 1311/6010C	Chromium	ND	0.10	mg/L	3/5/2015	JS	3/6/2015	BE
TCLP 1311/6010C	Lead	7.5	0.10	mg/L	3/5/2015	JS	3/6/2015	BE
exceeds the 5.0 mg/L regu	latory limit							
TCLP 1311/6010C	Selenium	ND	0.10	mg/L	3/5/2015	JS	3/10/2015	BE
TCLP 1311/6010C	Silver	ND	0.10	mg/L	3/5/2015	JS	3/6/2015	BE
Client Sample Descri	ption WC03 Blue Roll2 Off Box)	Collected:	2/26/2015 8:40:00 AM	Lab ID:	0003	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
TCLP 1311/6010C	Arsenic	ND	0.10	mg/L	3/5/2015	JS	3/6/2015	BE
TCLP 1311/6010C	Barium	2.5	0.50	mg/L	3/5/2015	JS	3/6/2015	BE
TCLP 1311/6010C	Cadmium	0.082	0.020	mg/L	3/5/2015	JS	3/6/2015	BE
TCLP 1311/6010C	Chromium	ND	0.10	mg/L	3/5/2015	JS	3/6/2015	BE
TCLP 1311/6010C	Lead	7.3	0.10	mg/L	3/5/2015	JS	3/6/2015	BE
exceeds the 5.0 mg/L regu	latory limit							
TCLP 1311/6010C	Selenium	ND		mg/L	3/5/2015	JS	3/10/2015	BE
TCLP 1311/6010C	Silver	ND	0.10	mg/L	3/5/2015	JS	3/6/2015	BE

ND - indicates that the analyte was not detected at the reporting limit RL - Reporting Limit



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

EMBL ANALYTICAL, INC.

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

									(1017.00	
Company: OH	IC Environmenta	l Engine	ering, Inc.		EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**					
	ay Center Drive				Th	ird Partv Billi	ng requires writte	n authoriza	tion from third pa	arty
City: Tampa		State/P	rovince:	FL		l Code: 3			untry: United	
Report To (Nar	me) (b)(4)				Telephon	e#: 813-6	326-8156			_
Email Address						313-623-67		Pui	rchase Order:	
	Number: Stennis					rovide Res				Mail
	nples Taken: MS						mmercial/Taxal	عام ال	neidontial/Tay	Evemnt
O.O. Otate Cam	ipies rakelie	Tu	rnaround 1	Time (TA				,ic	Delacinal Tax	Excitipe
☐ 3 Hour	☐ 6 Hour] 48 Hour		2 Hour	☐ 96 Hour	□11	Neek 🗆	2 Week
	L —						s located in the Pr			
"	Matrix			Method		ins	trument	Repo	rting Limit	Check
Chips 🗆 % by	y wt. 🔲 mg/cm² [] ppm	SV	V846-7000E	3	Flame Ato	omic Absorption	(0.01%	
Air		NIOSH 7082			Flame Ato	omic Absorption	4	ug/filter		
			N	IOSH 7105	<u> </u>	Graphite Furnace AA			β μg/filter	
			NIOSI	1 7300 mod	dified	ICP-AES/ICP-MS			µg/filter	
Wipe*	ASTM		SV	V846-7000E	3	Flame Atomic Absorption			µg/wipe	
•	non ASTM SW846-6010B		46-6010B	or C	10	P-AES		µg/wipe		
"if no box is	checked, non-ASTM Wipe is assumed		SW84	46-7000B/7	01 0	Graphit	e Furnace AA		5 μg/wipe	
TCLP Date	- 7 N- M-		SW846-13	11/7000B/S	SM 3111B	Flame Ato	omic Absorption	0.4 mg/L (ppm)		4
Recr	a 7, No Me	rcury	SW846-113	1/SW846-6	010B or C	IC	P-AES		g/L (ppm)	
Soil			SV	V846-7000E	8	Flame Ato	omic Absorption	40 mg	g/kg (ppm)	
				W846-7010			e Furnace AA		g/kg (ppm)	
	· · · · · · · · · · · · · · · · · · ·	_		46-6010B c			CP-AES		/kg (ppm)	
Wastewater	Unpreserved			1B/SW846-1	7000B Flame Atomic Absorption Graphite Furnace AA		0.4 mg/L (ppm) 0.003 mg/L (ppm)		_ 	
Preserved with	ith HNO_3 pH < 2			EPA 200.9 EPA 200.7		ICP-AES			mg/L (ppm)	-
Drinking Wat	ter Unpreserved			EPA 200.9		Graphite Furnace AA			mg/L (ppm)	- -
	ith HNO ₃ pH < 2			EPA 200.8			CP-MS		mg/L (ppm)	- 📙
	***************************************	_	40	CFR Part 5	0	IC	P-AES		µg/filter	
TSP/SPM Filt	ter		40	CFR Part 5	50	Graphit	e Furnace AA		µg/filter	
Other:										
Name of Sam	npler: (b)(4)				Signa	ture of Sa	ampler:	(b)	(4)	
Sample#		Location	on			Volum	ne/Area /		Date/Time S	ampled
WC01	Red	Roll C	Off Box						2/26/15 8	:30am
WC02	Blue	e Roll C	Off Box			•			2/26/15 8	:35am
WC03			Off Box	<u> </u>					2/26/15 8:40am	
	5.40	, 10112								

Client Comput	- 44-	11/004	LANCO LANCOR			******	Total # of S	amples:	0	
Client Sample		- WCU1	WC02 WC03	Ī.,	02/27	7/15			\3 5:30 pm	
Relinquished)	Date:			Time:			
Received (Lab				Date:	<i>_</i>	3/15	Time:		1030	
Comments:	Please	SENO	b)(4) TUE	R=500	rs Acso.		(b)(4)			
							1 / 1 /	74	ANKS.	

Page 1 of ____ pages

	National Aeronautics and Space Administration					DATE		March 17, 2015
NASA	CONTR	RACTOR TRAN	SMITTA	L SHEE	T			
	John C. Stennis Space Center				•		SHEET	
	Stennis Space Center, MS 39529-6000				· · · · · · · · · · · · · · · · · · ·	1	OF	1
	SECTION I - REQUEST FO							
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,	<i>'</i>	R	CON	TRACT NO.	X	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COM	MPLIANCE		l nns	14AA30T		ī	
	(See Instructions on Reverse)					0 RESUBMITTAL		
то	FROM		PREVIOUS TE		AL NO. (If Any)	TRANSMITTAL NO.		
(b)(HARRY PEPPER & ASS			0			306	
SPECIFICATI 200H0-GAI	ION AND SECTION NO. (Cover Only One Section With Each T 04 02 82 33.13 Air & Wipe Samples 3-9-15 t		TLE AND LOC		B00-03 SOFT CO	RE PAINTIN	IG	
	DESCRIPTION OF ITEM SUBMITTED				CONTRACT REF		VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURER OF ITEM		NO OF	росим	ENT	(See	CODE
NO.	(See Instruction No. 3)	(See Instruction	No. 8)	COPIES	SPECIFICATION	DRAWING	Instruction	(See Instruction
(a)	(b)	(c)		(d)	PARAGRAPH NO.	SHEET NO.	No. 6)	No. 9
(a)					(e)	(f)	(g)	(h)
1	Air & Wipe Samples Collected 3-9-15	ОНС		3	3.4.1.1.c	-	-	
2	Air & Wipe Samples Collected 3-10-15	ОНС	-	3	3.4.1.1.c	-	-	
3	Wipe Samples Collected 3-11-15	ОНС		3	3.4.1.1.c	-	-	-
4	Air & Wipe Samples Collected 3-11-15	ОНС		3	3.4.1.1.c	-	-	-
5	Air & Wipe Samples Collected 3-12-15	OHC		3	3.4.1.1.c	-	-	_
-	-				-			-
-				_		_	-	_
-	_		-	-	-	-	-	-
REMARKS:	3 Hard Copies included.				the above submitt re correct and in sti			
					specifications, exce		ice with the co	ntract
						(b)(4)		1
					NAME AND SI	GNATURE O	E CONTRACTO	JB
	SEC	TION II - APPROVA	AL ACTION		147 (1412 7 (142) 51	GNATORE OF	CONTINACTO	<u></u>
NCLOSURE	S RETURNED (List by Item No.)	NAME, TITLE, AND SIGI	NATURE OF A	PPROVING	AUTHORITY	DATE		



5125 Adanson Street, Suite 900, Orlando, FL 32804

EMSL Order: CustomerID: CustomerPO:

ProjectiD:

OCCU56

Phone/Fax (407) 599-5887 / (407) 599-9063 http://www.EMSL.com orlandolab@emsl.com

Attn:

Test

Test

Test

Test

Pb-FLAA

Pb-FLAA

Pb-FLAA

Pb-FLAA

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax. Received: (813) 623-6702 03/12/15 9:30 AM

Collected:

3/9/2015

Test Report

Client Sample Description

SCGW105

Lab ID 341502357-0001 Collected:

3/9/2015

13th Fl Clean Room

Method 7000B

Parameter Lead

Analyzed Area Sampled 3/12/2015 144 in²

Concentration 110 µg/ft²

Client Sample Description

SCGW106

Lab ID 341502357-0002 Collected:

3/9/2015

Outside 13th FI Clean Room

Method 7000B

Parameter Lead

Analyzed 3/12/2015 Area Sampled 144 in²

Lab ID 341502357-0003 Collected:

180 µg/ft²

Concentration

Client Sample Description SCGW107

11th FI Clean Room

Parameter Lead

Analyzed 3/12/2015

Area Sampled 144 in²

3/9/2015

Concentration 160 µg/ft2

Client Sample Description

SCGW108

Lab ID 341502357-0004 Collected: Outside 11th FI Clean Room

3/9/2015

Method

Method

-7000B

Test Pb-FLAA 7000B Parameter Lead

Analyzed 3/12/2015 Area Sampled

144 in²

Concentration 98 µg/ft²

Concentration

<3.7 µg/m³

Client Sample Description

S197

Lab ID 341502357-0005 Collected:

3/9/2015

10' from the Vec Loader

Method 7082

Parameter Lead

Analyzed 3/12/2015 Volume 1090 L

Client Sample Description

Lab ID 341502357-0006 Collected:

3/9/2015

in Between the Dust Collector

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 3/12/2015

Volume 1090 L

Concentration <3.7 µg/m³

aboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 03/12/2015 13:45:07



5125 Adanson Street, Suite 900, Orlando, FL 32804 (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Fax:

Phone:

(813) 626-8156 (813) 623-6702

Received:

03/12/15 9:30 AM

Collected:

3/9/2015

Test Report

Client Sample Description

Lab ID 341502357-0007 Collected:

3/9/2015

14th Fl Above Decon

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 3/12/2015 Volume 966 L

Concentration <4.1 µg/m³

Client Sample Description

S200

Lab ID 341502357-0008 Collected.

3/9/2015

Test Method Pb-FLAA

7082

Parameter Lead

13th FI Outside Decon

Analyzed 3/12/2015 Volume 966 L

Concentration <4.1 µg/m³

Client Sample Description

S201

Lab ID 341502357-0009 Collected.

3/9/2015

Test Method

-7082

12th FI Below the Decon Parameter Lead

Analyzed Volume 3/12/2015

Concentration <4.1 µg/m³

Client Sample Description

S202

Lab ID 341502357-0010 Collected:

966 L

3/9/2015

Prep Inside Containment

Test Pb-FLAA

Pb-FLAA

Method 7082

Parameter Analyzed

3/12/2015

Volume 840 L

Concentration <4.8 µg/m³

Client Sample Description

S203

Lead

Lab ID 341502357-0011 Collected:

3/9/2015

rep Inside Contain

Parameter Method Test Pb-FLAA Lead 7082

Analyzed 3/12/2015

Volume 840 L Concentration

<4.8 µg/m³

<3.9 µg/m³

Client Sample Description

S204

Lab ID 341502357-0012 Collected:

3/9/2015

10th FI Below Critical Barrier

Test Method Pb-FLAA 7082

Parameter

Analyzed Lead

3/12/2015

Volume 1020 L Concentration

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL -50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 03/12/2015 13:45:07



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand Phone:

(813) 626-8156

Fax: Received: (813) 623-6702 03/12/15 9:30 AM

Collected:

3/9/2015

Test Report

Client Sample Description

Test

Pb-FLAA

S205

Lab ID 341502357-0013 Collected:

3/9/2015

9th FI Below Critical Barrier

Method 7082

Parameter Lead

Analyzed 3/12/2015 Volume 1020 L Concentration

<3.9 µg/m³

or other approved signatory

Laboratory Manager

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 03/12/2015 13:45:07



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE (407) 599-5887 FAX' (407) 599-9063

Company : OH	company: OHC Environmental Engineering, Inc.			EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**					
Street: 5420 B	ay Center Drive S	Suite 10	0	Th	ird Party Billing requ	ires written	authoriz	zation from third p	arty
City: Tampa			rovince: FL		al Code: 33609			ountry: United	
Report To (Nar	ne): (b)(4)			Telephor	ne #: 813-626-81	56			
Email Address	:	(b)(4)	Fax #: 813-623-6702 Purchase Order:					
Project Name/I	Number: Stennis	B1 B2 7	est Stand	Please Pr	rovide Results:	FAX	7	E-mail	Mail
	ples Taken; MS			CT Samp	les: 🗌 Commerc	ial/Taxab	le 🗆 f	Residentia!/Tax	Exempt
		Tu	rnaround Time (TA	The state of the s	the same of the sa				
3 Hour	■ 6 Hour	2 4	Hour 48 Hour	7:	2 Hour 96	Hour	<u> </u>	Week	2 Week
		complete	d in accordance with EMS	L's Terms a					
	Matrix		Method		Instrume	nt	Repo	orting Limit	Check
Chips 🗌 % by	/ wt. ☐ mg/cm² ☐] ppm	SW846-7000E	3	Flame Atomic Abs	sorption		0.01%	
Air 24 hr.			NIOSH 7082		Flame Atomic Absorption			µg/filter	
			NIOSH 7105		Graphite Furna			3 µg/filter	
·			NIOSH 7300 mod		ICP-AES/ICP-			5 µg/filter	
Wipe* 6h	ASTM	E	SW846-7000E		Flame Atomic Abs	sorption) μg/wipe	
	checked, non-ASTM	Ц	SW846-6010B c		ICP-AES			0 μg/wipe	-
	Wipe is assumed		SW846-7000B/7		Graphite Furnac			75 μg/wipe	
TCLP				Flame Atomic Abs	<u> </u>		ng/L (ppm)		
0.4		····	SW846-1131/SW846-6		Flame Atomic Abs			mg/L-(ppm) ng/kg (ppm)	
Soil			SW846-7000F SW846-7010		Graphite Furna			ng/kg (ppm)	
!			SW846-6010B o		ICP-AES	-		g/kg (ppm)	
			SM3111B/SW846-	7000B	Flame Atomic Abs	sorption		ng/L (ppm)	
Wastewater	Unpreserved		EPA 200.9		Graphite Furnac	ce AA		mg/L (ppm)	
	th HNO₃pH < 2	L	EPA 200.7		ICP-AES		_	mg/L (ppm)	
	er Unpreserved		EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)		_
Preserved wi	th HNO_3 pH < 2		EPA 200.8	•^	ICP-MS ICP-AES			l mg/L (ppm) 2 µg/filter	
TSP/SPM Filt	ter		40 CFR Part 5 40 CFR Part 5		Graphite Furnac	ce AA		6 µg/filter	
Other:			40 01 7(1 01(0		Chapitate California			o pagrinto.	
Name of Sam	neler: (b)(4)			Signa	ture of Sample	r:	(b)	(4)	
Sample #		Locati	on		Volume/Are			Date/Time S	ampled
S197	10 ft from	m the \	Vec Loader		1,090L	7		3/9/15 9:10ai	n 6:15pm
S198	In between	n the D	Oust Collector		1,090L			3/9/15 9·10ai	n 6:15pm
S199	14th F	-I abov	re Decon	~	966L			3/9/15 9:32ai	n 5:35pm
S200 13th fl outside Decon			_	966L			3/9/15 9:33a	m 5:36pm	
S201 12th FI below the Decon					966L			3/9/15 9.34a	m 5:37pm
Client Samp		- 57		105 -500		l # of Sa	mples		
		(h)(4)	Date:	3/10/		Time:		4:30 pm	
Relinquished			Date:	7/1	سي، ا ج	Time:		93000	
Received (Lab Comments:	· · · · · · · · · · · · · · · · · · ·		pare:	1/6-	414	1 14116		1	
									ļ



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE (407) 599-5887 FAX (407) 599-9063



Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S202	(b)(4) Prep. Inside Containment	840L	3/9/15 9:45am 4·45pm
S203	(b)(4) Prep. Inside Containment	840L	3/9/15 9:45am 4:45pm
S204	10th FI below critical barrier	1020L	3/9/15 9:55am 6:25pm
S205	9th FI below critical barrier	1020L	3/9/15 9:55am 6:25pm
			·
SCGW105	13th fl clean room	12x12	3/9/15
SCGW106	Outside 13th fl clean room	12x12	3/9/15
SCGW107	11th fl clean room	12x12	3/9/15
SCGW108	Outside 11th fl clean room	12x12	3/9/15
Comments/Sp	pecial Instructions:		

Page 2 of 2 pages



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomeriD: CustomerPO:

ProjectID:

OCCU56

Attn:

Test

Pb-FLAA

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone:

(813) 626-8156

Fax: Received:

(813) 623-6702 03/12/15 9:30 AM

Collected:

3/10/2015

Project: Stennis B1 B2 Test Stand

Test Report

Client Sample Description SCGW109 Lab ID 341502356-0001 Collected: 3/10/2015

13th Fl Clean Room

Method 7000B

Parameter Lead

Analyzed 3/12/2015 Area Sampled 144 in²

62 µg/ft²

Concentration

Client Sample Description

SCGW110

Lab ID 341502356-0002 Collected:

3/10/2015

Outside 13th FI Clean Room

Test Method Pb-FLAA 7000B

Parameter Lead

11th Fl Clean Room

Analyzed 3/12/2015 Area Sampled 144 in²

Concentration 130 µg/ft²

Client Sample Description

SCGW111

Lab ID 341502356-0003 Collected:

3/10/2015

Method Test Pb-FLAA 7000B

Lead

SCGW112

Parameter

Analyzed Area Sampled 3/12/2015

144 in²

Concentration 150 µg/ft²

Client Sample Description

Lab ID 341502356-0004 Collected:

3/10/2015

Test Method Pb-FLAA

7000B

S207

Parameter Lead

Outside 11th FI Clean Room

Analyzed 3/12/2015 144 in²

Area Sampled

Concentration <10 µg/ft2

Client Sample Description

S206

Lab ID 341502356-0005 Collected:

780 L

3/10/2015

Test

Method Pb-FLAA 7082

Parameter Lead

10' from the Vec Loader

Analyzed 3/12/2015 Volume 780 L

Lab ID 341502356-0006 Collected:

3/10/2015

Client Sample Description

in Between the Dust Collector

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 3/12/2015 Volume

Concentration <5.1 μg/m³

Concentration

<5.1 μg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level -30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 03/12/2015 13:48:57



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone: Fax:

(813) 626-8156

Received:

(813) 623-6702 03/12/15 9:30 AM

Collected:

3/10/2015

Project: Stennis B1 B2 Test Stand

Test Report

Client Sample Description

Lab ID 341502356-0007 Collected: 3/10/2015

14th FI Above Decon

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 3/12/2015 Volume 740 L Concentration <5.4 µg/m³

Client Sample Description

S209

Lab ID 341502356-0008 Collected:

3/10/2015

13th FI Outside Decon

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 3/12/2015 Volume 740 L Concentration <5.4 µg/m³

Client Sample Description

S210

Lab ID 341502356-0009 Collected:

3/10/2015

3/10/2015

Method Test

7082

Parameter Lead

12th Fl Below the Decon

Analyzed 3/12/2015 Volume 740 L Concentration <5.4 µg/m³

Client Sample Description

Pb-FLAA

Test

Pb-FLAA

S211

Lab ID 341502356-0010 Collected:

Prep Inside Containment

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 3/12/2015

Volume 720 L

Concentration <5.6 µg/m³

Client Sample Description

S212

Lab ID 341502356-0011 Collected: Prep Inside Contain

3/10/2015

Method

Parameter 7082 Lead

Analyzed 3/12/2015 Volume 720 L Concentration <5.6 µg/m³

Client Sample Description

Lab ID 341502356-0012 Collected:

10th FI Below Critical Barrier

Test Method Pb-FLAA 7082

Parameter Lead

S213

Analyzed 3/12/2015 Volume 760 L 3/10/2015

Concentration <5.3 μg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m². OSHA action level -30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 03/12/2015 13:48:57



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order:

CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand Phone:

(813) 626-8156

Fax: Received: (813) 623-6702

03/12/15 9:30 AM

Collected:

3/10/2015

Test Report

Client Sample Description

Lab ID 341502356-0013 Collected:

3/10/2015

9th FI Below Critical Barrier

Test Method Pb-FLAA

Parameter Lead

Analyzed 3/12/2015 Volume 760 L

Concentration <5.3 µg/m³

Client Sample Description

Test

Pb-FLAA

S215

Lab ID 341502356-0014 Collected:

Method 7082

7082

Parameter Lead

Analyzed 3/12/2015 Volume 0 L Concentration <4.0 µg/filter

Laboratory Manager

or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m². OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted.
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(Initial Report From 03/12/2015 13:48:57

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

LABORATORY PROC		(b)(PHONE: (407) 5			
		****	<u> </u>	ENIOL DI	1144	FAX: (407) 5			
Company : O	HC Environmental Engine	eering, Inc.		EMSL-Bi If Bill to is Diffe		Different / Same tructions in Comments**	9		
Street: 5420 I	Bay Center Drive Suite 10	00	Th	ird Party Billing req	uires writter	authorization from third	party		
City: Tampa	State/F	Province: FL		al Code: 33609		Country: United			
Report To (Na	ame): (b)(4)		Telephone #: 813-626-8156						
Email Addres	s: (b)(4	4)	Fax #: 813-623-6702 Purchase Order:						
Project Name	/Number: Stennis B1 B2	Test Stand	Please P	Please Provide Results: FAX FAX F-mail Mail					
U.S. State Sar	mples Taken: MS				cial/Taxab	ole ☐ Residential/Ta	x Exempt		
	Τι	urnaround Time (TA				*****			
☐ 3 Hour	■ 6 Hour ■ 24	Hour 📗 48 Hou	r 🔲 7	2 Hour 🔲 9	6 Hour	1 Week	2 Week		
		d in accordance with EMS	SL's Terms a		Name and Address of the Owner, where the Person of				
China 🗔 🛚	Matrix	Method		Instrume		Reporting Limit	Check		
	y wt. ☐ mg/cm² ☐ ppm	SW846-7000	В	Flame Atomic Al	osorption	0.01%			
Air 24 hr.		NIOSH 7082		Flame Atomic Al	osorption	4 μg/filter	*		
		NIOSH 7105		Graphite Furna		0.03 µg/filter			
		NIOSH 7300 mod		ICP-AES/ICF		0.5 µg/filter			
Wipe* 6 h	ASTM MET NOT ASTM	SW846-7000		Flame Atomic At		10 μg/wipe			
L .	s checked, non-ASTM	SW846-6010B or C		ICP-AES		1.0 µg/wipe			
70.5	Wipe is assumed	SW846-7000B/7		Graphite Furna		0.075 μg/wipe			
TCLP		SW846-1311/7000B/S SW846-1131/SW846-6		Flame Atomic At		0.4 mg/L (ppm)			
Soil		SW846-7000		ICP-AES Flame Atomic At		0.1 mg/L (ppm)			
00		SW846-7010		Graphite Furna		40 mg/kg (ppm) 0.3 mg/kg (ppm)			
		SW846-6010B (or C	ICP-AES		2 mg/kg (ppm)			
Wastewater	Unpreserved	SM3111B/SW846-	7000B	Flame Atomic Ab		0.4 mg/L (ppm)			
	ith HNO₃ pH < 2 ☐	EPA 200.9		Graphite Furnace AA		0.003-mg/L (ppm)			
Drinking Wa	ter Unpreserved	EPA 200 7 EPA 200.9		ICP-AES Graphite Furna		0.020 mg/L (ppm) 0.003 mg/L (ppm)			
	ith HNO ₃ pH < 2	EPA 200.8		ICP-MS	ICE AA	0.003 mg/L (ppm)			
TSP/SPM Fil		40 CFR Part 5	0	ICP-AES		12 µg/filter			
	rei	40 CFR Part 5	0	Graphite Furna	ice AA	3 6 µg/filter			
Other:		Samuel Company and the Company		······································					
Name of San			Signa	ture of Sample		(b)(4)			
Sample #	Location			Volume/Are	a /	Date/Time S			
S206	10 ft from the \	/ec Loader		780L		3/9/15 10:00a	m 4:30pm		
S207	S207 In between the Dust Collector			780L		3/9/15 10:00a	m 4,30pm		
S208	S208 14th FI above Decon			740L		3/9/15 10:40a	m 4 50pm		
S209 13th fl outside Decon		740L			3/9/15 10:41a	m 4.51pm			
S210 12th Fl below the Decon			740L		3/9/15 10:42a	m 4:52pm			
Client Sampl	le #'s -			Tota	al # of Sa	mples:			
Relinquished	d (Client): (b)(4	Date:	3/10/1	5	Time:	4:30 pm			
Received (Lab)):	Date:	3/17	2/15	Time:	9300	W-		
Comments:	(b)(4)					1			

Page 1 of ____ pages



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX. (407) 599-9063



Sample #	Location	Volume/Area	Date/Time Sampled		
S211	(b)(4) Prep. Inside Containment	720L	3/10/15 10:00am 4:00pm		
S212	(b)(4) / Prep. Inside Containment	720L	3/10/15 10:00am 4:00pm		
S213	10th Fl below critical barrier	760L	3/10/15 10.20am 4.40pm		
S214	9th FI below critical barrier	760L	3/10/1510:20am 4.40pm		
S215	Blank	QA/QC	3/10/15		
SCGW109	13th fl clean room	12x12	3/10/15		
SCGW110	Outside 13th fl clean room	12x12	3/10/15		
SCGW111	11th fl clean room	12x12	3/10/15		
SCGW112	Outside 11th fl clean room	12x12	3/10/15		
Comments/Sp	pecial Instructions:				



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

Attn:

OHC Environmental Engineering, Inc.

5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702 03/16/15 8:49 AM

Collected:

3/11/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected .	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW113	3/11/2015 3	/16/2015	144 in²	10 μg/ft²	<10 µg/ft²
341502469-0001	Site: 13th FI	Clean Room			
SCGW114	3/11/2015 3	/16/2015	144 in²	10 μg/ft²	130 µg/ft²
341502469-0002	Site: Outside	13th FI Clea	an Room		
SCGW115	3/11/2015 3	1/16/2015	144 in²	10 μg/ft²	28 μg/ft²
341502469-0003	Site: 11th FI	Clean Room			
SCGW116	3/11/2015 3	3/16/2015	144 in²	10 μg/ft²	25 μg/ft²
341502469-0004	Site: Outside	11th Fl Clea	an Room		



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft which is dependent on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "c" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 03/16/2015 12:36:19

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

										1700 (407) 3	
Company : Ol	-IC Environmenta	l Engine	ering, Inc.			EM If Bill to	SL-Bill is Differ			rent / Same	
Street 5420 E	Bay Center Drive S	Suite 10	0							ization from third p	arty
City: Tampa			····	;L		tal Code: 3		moo watto		ountry: United	
Report To (Na	me): (b)(4)	- Culturi			Telephone #: 813-626-8156						
Email Addres		(1.) (4	\			Fáx #: 813-623-6702 Purchase Order:					
	/Number: Stennis	B1 B2	Test Stand			Provide Res		FA:	<u></u>		Mail
	nples Taken: MS				-			ial/Taval	hia 🗆	Residential/Ta	r Fremnt
U.S. State Sat	irples raken, wo		rnaround Ti	me /TA					316 <u> </u>	residential 1 a	ZAOIIIPE
3 Hour	■ 6 Hour	24		48 Hour		72 Hour		6 Hour	[[] ·	1 Week	2 Week
			d in accordance				s locate	ed in the Pr			
	Matrix			ethod			trume		Rep	orting Limit	Check
Chips □ % t	y wt. 🔲 mg/cm² 🏻 [] ppm	SW8	46-7000	3	Flame At	mic Ab	sorption		0.01%	
Air 24 hr.			NIO	SH 7082	! 	Flame At			<u>i </u>	4 μg/filter	E
	24			SH 7105	·····	Graphit				03 µg/filter	<u> </u>
				7300 mod			ES/ICP			.5 μg/filter	極
Wipe* 6 hr				46-7000		Flame At				0 μg/wipe	
*ifno box i	non ASTM s checked, non-ASTM	لــا		6-6010B c			P-AES			0 µg/wipe	
-	Wipe is assumed			-7000B/7		Graphile Furnace AA Flame Atomic Absorption		0.075 µg/wipe			
TCLP			SW846-1311 SW846-1131/				P-AES			mg/L (ppm) mg/L (ppm)	
Soil				46-7000		Flame At		-		ng/kg (ppm)	
3011				846-7010		Graphit				mg/kg (ppm)	
			SW846	-6010B c	or C		P-AES			ng/kg (ppm)	
Wastewater	Unpreserved		SM3111B		7000B	Flame At			0.4 mg/L (ppm)		
	with HNO ₃ pH < 2	<u> </u>	EPA 200.9			Graphite Furnace AA ICP-AES		0.003 mg/L (ppm)		<u> </u>	
			EPA 200 7 EPA 200.9			Graphile Furnace AA		0.020 mg/L (ppm) 0.003 mg/L (ppm)			
	iter Unpreserved rith HNO ₃ pH < 2	H		A 200.9	 -		ICP-MS		0.003 flig/L (ppfif) 0.001 mg/L (ppm)		
				FR Part 5	50	i	P-AES			2 µg/filter	
TSP/SPM Fil	iter		40 CI	FR Part 5	50	Graphit	e Furna	ice AA		6 µg/filter	
Other:											
Name of Sar	npler: (b)(4)				Sigr	ature of S	mple	r:	-	(b)(4)	
Sample #		Locati	on			Volun	ie/Are	a /		Date/Time	Sampled
S216	10 ft fro	m the \	/ec Loader			10	40L			3/11/15 7:00a	m 15:40pm
S217	In betwee	n the C	oust Collect	or		10	40L			3/11/15 7:00a	m 15:40pm
S218	Roman Farrias/ Re-cleaning Soft Core			96	30L			3/11/15 7:15a	m 15:15pm		
S219 Moses Diaz/ Re-cleaning Soft Core			96	30L			3/11/15 7:15a	m 15:15pn			
S220 12th FI below the Decon				98	30L	· · ·		3/11/15 7:20a	m 15:30pn		
Client Samp	ile#'s 52	18-52	29 \$ 5ccm	: - 3اار	SCGWII	6	Tota	al # of S	ample	5: 18	
Relinquishe	d (Client):			Date:	3/11	/15		Time:		4:30 pm	
Received (La				Date:		9115		Time:		8:499	
Comments:	-1.			<u>21 22 2</u>				,			
1											



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample#	Location	Volume/Area	Date/Time Sampled
S221	13th fl outside Decon	980L	3/11/15 7:25am 15:25pm
S222	14th Fl above Decon	980L	3/11/15 7:30am 15:30pm
S223	10th Fl below critical barrier	950L	3/11/15 7:50am 15:45pm
S224	9th Fl below critical barrier	950L	3/11/15 7.55am 15:50pm
S225	12th FI below the Decon	3250L	3/11/15 16:15pm 17 40pm
S226	13th fl outside Decon	3250L	3/11/15 16:20pm 17:45pm
S227	14th Fl above Decon	3250L	3/11/15 16:25pm 17:50pm
S228	(b)(4) / Cleaning 13th Fl Cage Area	450L	3/11/15 16:30pm 20:15pm
S229	(b)(4) Cleaning 13th Fl Cage Area	450L	3/11/1516 ⁻ 30pm 20.15pm
		<u> </u>	
SCGW113	13th fl clean room	12x12	3/11/15
SCGW114	Outside 13th fl clean room	12x12	3/11/15
SCGW115	11th fl clean room	12x12	3/11/15
SCGW116	Outside 11th fl clean room	12x12	3/11/15
Comments/Sp	ecial Instructions:		



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702 03/16/15 8:49 AM

Collected:

3/11/2015

Test Report

Client Sample Description SCGW113

Test

Test

Test

Pb-FLAA

Pb-FLAA

Lab ID 341502469-0001 Collected:

3/11/2015

13th Fl Clean Room

Method Pb-FLAA

Parameter Lead

Analyzed 3/16/2015 Area Sampled 144 in²

Concentration <10 µg/ft2

Client Sample Description

7000B

SCGW114

SCGW115

Lab ID 341502469-0002 Collected:

3/11/2015

Outside 13th FI Clean Room

Method Test Pb-FLAA 7000B

Parameter Lead

Analyzed 3/16/2015

Area Sampled 144 in²

3/11/2015

Client Sample Description

11th Fl Clean Room

Method

S216

7000B

Parameter Lead

Analyzed 3/16/2015 Area Sampled 144 in²

Lab ID 341502469-0003 Collected:

Concentration 28 μg/ft²

Concentration

25 µg/ft²

Concentration 130 µg/ft²

Client Sample Description

SCGW116 Outside 11th Fl Clean Room

Lab ID 341502469-0004 Collected:

3/11/2015

Method Test Pb-FLAA

7000B

Parameter Lead

Analyzed 3/16/2015

Area Sampled 144 in²

Client Sample Description

10' from the Vec Loader

Method 7082

Parameter Lead

Analyzed 3/16/2015

Analyzed

3/16/2015

Volume 1040 L

Lab ID 341502469-0005 Collected:

Concentration

Client Sample Description

Lab ID 341502469-0006 Collected:

3/11/2015

in Between the Dust Collector

Test Method Pb-FLAA 7082

Parameter Lead

Volume 1040 L Concentration

<3.8 µg/m³

<3.8 µg/m³

_aboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 03/16/2015 12:36:25



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO: ProjectID:

OCCU56

Attn:

Test

Test

Test

Test

Pb-FLAA

Pb-FLAA

Pb-FLAA

Pb-FLAA

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702 03/16/15 8:49 AM

Collected:

3/11/2015

Test Report

Client Sample Description

S218

Lab ID 341502469-0007 Collected:

3/11/2015

Re-cleaning Soft Core

Method

7082

Method

7082

Parameter Lead

Analyzed 3/16/2015 Volume 960 L Concentration <4.2 µg/m³

Client Sample Description

S219

Lab ID 341502469-0008 Collected:

3/11/2015

Re-cleaning Soft Core

Parameter Lead

12th FI below the Decon

Analyzed 3/16/2015 Volume 960 L Concentration <4.2 µg/m³

Client Sample Description

S220

Lab ID 341502469-0009 Collected:

3/11/2015

Test Method

Parameter Pb-FLAA Lead 7082

Analyzed 3/16/2015 Volume 980 L Concentration <4.1 µg/m³

> Concentration <4.1 µg/m³

Client Sample Description

Lab ID 341502469-0010 Collected:

3/11/2015

13th FI Outside Decon

S221

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 3/16/2015

Volume 980 L

Lab ID 341502469-0011 Collected:

Client Sample Description

14th Fl Above Decon

Parameter Lead

Analyzed 3/16/2015

3/16/2015

Volume 980 L 3/11/2015

Concentration <4.1 µg/m³

Client Sample Description

Lab ID 341502469-0012 Collected:

950 L

3/11/2015

Method

Method

7082

7082

10th FI Below Critical Barrier

Lead

Parameter Analyzed

Volume

Concentration <4.2 µg/m³

Laboratory Manager

or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted "" (less han) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 03/16/2015 12:36:25



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand Phone:

(813) 626-8156

Fax: Received:

(813) 623-6702 03/16/15 8:49 AM

Collected:

3/11/2015

Test Report

Client Sample Description

Test

Pb-FLAA

Lab ID 341502469-0013 Collected:

3/11/2015

9th FI Below Critical Barrier

Method 7082

Parameter Lead

Analyzed 3/16/2015 Volume 950 L Concentration

<4.2 µg/m³

Client Sample Description

S225

Lab ID 341502469-0014 Collected:

3/11/2015

12th FI Below the Decon

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 3/16/2015 Volume 3250 L Concentration <1.2 µg/m³

Client Sample Description

S226

Lab ID 341502469-0015 Collected:

3/11/2015

Method Test Pb-FLAA

Parameter 7082

Lead

13th FI Outside Decon

Analyzed 3/16/2015

Volume 3250 L Concentration <1.2 µg/m³

Client Sample Description

Lab ID 341502469-0016 Collected:

3/11/2015

14th Fl Above Decon

Method Test Pb-FLAA 7082

Parameter 1-ead

Analyzed 3/16/2015 Volume 3250 L Concentration <1:2-µg/m³

Client Sample Description

Test

Pb-FLAA

S228

Lab ID 341502469-0017 Collected:

3/11/2015

Method 7082

Parameter Lead

Analyzed 3/16/2015

Cleaning 13th FI Cage

Volume 450 L Concentration <8.9 µg/m³

Client Sample Description

S229

Lab ID 341502469-0018 Collected:

3/11/2015

Cleaning 13th FI Cage

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 3/16/2015 Volume 450 L Concentration <8.9 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 03/16/2015 12:36:25



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

	 0,40	•	(222	000	C,,,.
—					

5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887

LABORATORY-PROBUG		ᄔ		(b)(4)					FAX: (407) 59	9-9063
CommanOH	C Environmenta	l Engine	ering, Inc.			EMS	L-Bill to:	Diffe	rent / Same	
Stroot: 5420 B	ay Center Drive	Suite 10	0		Thi				ization from third pa	arty i
City: Tampa				-L		l Code: 336		C	ountry: United	States
Report To (Nar	ne): (b)(4)					e#: 813-62				
Email Address		(b)(4	\			813-623-6702			Purchase Order:	
Project Name/	Number: Stennis	B1 B2 1	est Stand			ovide Resu		V	E-mail	Mail
	ples Taken: MS				CT Samp	les: 🗌 Com	mercial/Taxab	le 🗌	Residential/Tax	Exempt
	-	Tu	rnaround Ti	me (TA	T) Option	s* - Please	Check			
☐ 3 Hour	■ 6 Hour	a 24		48 Hour			☐ 96 Hour			2 Week
		complete		<i>with EMS.</i> lethod	L's Terms ar		located in the Pri ument	Ce Guio Ren	orting Limit	Check
	Matrix	1						Кер	0.01%	
·	/ wt. 🏻 mg/cm² [_ ppm	SW8	346-7000E	3		nic Absorption			17 25
Air 24 hr.				SH 7082			nic Absorption		4 μg/filter	3
· 24 III.	•			SH 7105			Furnace AA S/ICP-MS		03 µg/filter .5 µg/filter	
				7300 mod			nic Absorption		.σ μg/nitei 0 μg/wipe	極
Wipe* 6 hr.	ASTM non ASTM	×		346-7000E 6-6010B o			P-AES		, -	
*ifno box is	checked, non-ASTM	Ш				Graphite Furnace AA		1.0 μg/wipe 0.075 μg/wipe		
TCLP	Wipe is assumed	· · · · · · · · · · · · · · · · · · ·	SW846-7000B/7010 SW846-1311/7000B/SM 31				nic Absorption	0.4 mg/L (ppm)		
ICLP			SW846-1131/				-AES		mg/L (ppm)	
Soil				346-7000E		Flame Aton	nic Absorption		mg/kg (ppm)	
				846-7010			Furnace AA		mg/kg (ppm)	
				3-6010B o			P-AES		ng/kg (ppm)	
Wastewater	Unpreserved		SM3111B/SW846-70 EPA 200.9		7000B		nic Absorption Furnace AA	0.4 mg/L (ppm) 0.003 mg/L (ppm)		
Preserved wi	th HNO₃pH < 2		EPA 200.3			ICP-AES		0.020 mg/L (ppm)		
Drinking Wat	ter Unpreserved		EF	PA 200.9		Graphile Furnace AA		0.003 mg/L (ppm)		
Preserved wi	th HNO₃pH < 2			PA 200.8			P-MS		01 mg/L (ppm)	
TSP/SPM File	ter			FR Part 5			P-AES Furnace AA		12 µg/filter 3 6 µg/filter	-
Other:			400	FR Part 5		Giapinte	Fullace Av		o pgnitei	
	(1-)/4)				Signa	ture of Sai	mnlor		(b)(4)	
Name of Sam Sample #	npier:(D)(4)	Locati	on	and a second second second	Signa	Volume			Date/Time S	Sampled
\$216	10 ft fro		√ec Loadeı	•		104			3/11/15 7:00ar	
S217			oust Collect			104			3/11/15 7:00ar	m 15:40pm
S218	Roman Farrias/ Re-cleaning Soft Core				960	0L		3/11/15 7:15ar	m 15:15pm	
S219			960L				3/11/15 7:15am 15:15pm			
S220				980L		3/11/15 7:20am 15:30pm				
Client Samp			29 \$ 5CC		SCOWILL	, 1	Total # of \$	ample	S: 18	
Relinquished				Date:	3/11/		Time:		4:30 pm	
	Received (Lab):			Date:	3/19/15		1		8:499	
Comments:	· /-									



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S221	13th fl outside Decon	980L	3/11/15 7:25am 15:25pm
S222	14th Fl above Decon	980L	3/11/15 7:30am 15:30pm
S223	10th Fl below critical barrier	950L	3/11/15 7:50am 15:45pm
S224	9th Fl below critical barrier	950L	3/11/15 7.55am 15:50pm
S225	12th FI below the Decon	3250L	3/11/15 16:15pm 17 40pm
S226	13th fl outside Decon	3250L	3/11/15 16:20pm 17:45pm
S227	14th FI above Decon	3250L	3/11/15 16:25pm 17:50pm
S228	(b)(4) Cleaning 13th Fl Cage Area	450L	3/11/15 16:30pm 20:15pm
S229	(b)(4) Cleaning 13th Fl Cage Area	450L	3/11/1516 ⁻ 30pm 20.15pm
SCGW113	13th fl clean room	12x12	3/11/15
SCGW114	Outside 13th fl clean room	12x12	3/11/15
SCGW115	11th fl clean room	12x12	3/11/15
SCGW116	Outside 11th fl clean room	12x12	3/11/15
Comments/Sp	ecial Instructions:		



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID: CustomerPO:

OCCU56

ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702 03/16/15 8:49 AM

Collected:

3/12/2015

Test Report

Client Sample Description

Test

Test

Test

Pb-FLAA

Pb-FLAA

Pb-FLAA

SCGW117

Lab ID 341502467-0001 Collected:

3/12/2015

Inside 13th FI Clean Room

Method

Parameter Lead

Analyzed 3/16/2015 Area Sampled 144 in²

Concentration

81 µg/ft²

Client Sample Description

SCGW118

Lab ID 341502467-0002 Collected:

3/12/2015

Outside 13th Fl Clean Room

Test Method Pb-FLAA

7000B

Method

7000B

S230

7000B

Parameter Lead

Analyzed 3/16/2015 Area Sampled 144 in²

Lab ID 341502467-0003 Collected:

Concentration 1200 µg/ft²

Client Sample Description

SCGW119 Inside 11th Fl Clean Room

Lead

Parameter

Area Sampled Analyzed 3/16/2015 144 in²

3/12/2015

Concentration 380 µg/ft2

Concentration

<3.4 µg/m³

Client Sample Description

Lab ID 341502467-0004 Collected:

3/12/2015

in Between the Dust Collector #1

Method Test Pb-FLAA 7082

Parameter Lead

Analyzed 3/16/2015

Volume 1170 L

Client Sample Description

S231 in Between the Dust Collector #2

Lab ID 341502467-0005 Collected:

3/12/2015

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 3/16/2015 Volume 1170 L Concentration <3.4 µg/m³

Client Sample Description

S232

Method

7082

Lab ID 341502467-0006 Collected:

3/12/2015

Re-cleaning Soft Core

Parameter Lead

Analyzed 3/16/2015 Volume 1160 L Concentration <3.4 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter, ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method imitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 03/16/2015 12:35:28



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100 Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

(813) 626-8156

Phone: Fax: Received:

(813) 623-6702 03/16/15 8:49 AM

Collected:

3/12/2015

Test Report

Client Sample Description

Lab ID 341502467-0007 Collected:

Volume

3/12/2015

Re-cleaning Soft Core

Method Pb-FLAA 7082

Parameter Lead

Analyzed 3/16/2015

1160 L

<3.4 µg/m³

Concentration

Concentration

Client Sample Description

Lab ID 341502467-0008 Collected:

3/12/2015

10th FI Below Critical Barrier

Method Test Pb-FLAA 7082

Parameter Lead

Analyzed 3/16/2015 Volume 1172 L

<3.4 µg/m³

Client Sample Description

S235 109 Lab ID 341502467-0009 Collected:

3/12/2015

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 3/16/2015 Volume 1172 L Concentration <3.4 µg/m³

Client Sample Description

S236 Blank Lab ID 341502467-0010 Collected:

3/12/2015

Test Pb-FLAA Method 7082

Parameter Lead

Analyzed 3/16/2015 Volume 0 L Concentration <4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method il tilis report all more and the sample of an all tilis report all more balls confered. Living be deal for responsibility for an all pre-celeural advises sold as volunte sampled of an all pre-celeural for the sample of an included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwis Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 03/16/2015 12:35:28

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

				· · · ·	· /							99-9063
Company: OH	C Environmental	l Engine	ering,	Inc.		E If Bil	MSL-Bill I to is Differ	to: 13 ent note inst	Differ nuctions	cent / n Comments*	Same *	
Street: 5420 Ba	ay Center Drive	Suite 10	0			Third Party 8	Billing requ	ires written	authoriz	zation from I	third pa	arty
City: Tampa		State/P		: FL	Zip/Pos	tal Code:	33609			ountry: U		
Report To (Nan	<u>ne): (b)(4)</u>				Teleph	one #: 813	3-626-81	56				
Email Address	:	(b)(4))		Fax #:	813-623	6702			urchase C		
Project Name/N	Number: Stennis	B1 B2 T	est St	and		Provide R		FAX		E-mail		Mail
U.S. State Sam	ples Taken: MS					iples: 🔲 C			le 🗌 l	Residentia	al/Tax	Exempt
				und Time (TA								
3 Hour	🔳 6 Hour	■ 24		48 Hour		72 Hour		Hour		Week		2 Week
		completed	d in acco	ordance with EMS	L's Terms		ons locate Istrume		Ce Gula	e orting Li	mit	Check
	Matrix	-		Method	_				Kep		11111	- Chicon
	wt. 🗌 mg/cm² [_ ppm		SW846-7000E	3	Flame	Atomic Ab	sorption		0.01%		
Air 24 hr.				NIOSH 7082			Atomic Ab			μg/filter		×
			ļ	NIOSH 7105			hite Furna			03 µg/filte 5 µg/filter		
				N)OSH 7300 mod			Atomic Ab		-	o pg/micer) µg/wipe		X
Wipe* (Lv.	ASTM non ASTM	X ⊡		SW846-7000		Flairie	ICP-AES		_	0 µg/wipe		
*if no box is	checked, non-ASTM Wipe is assumed		SW846-6010B or 0 SW846-7000B/701			Grap	hite Furna			75 μg/wip		一十
TCLP	131pa 10 000011100		SW8	SW846-1311/7000B/SM 31		Flame	Flame Atomic Absorption		0.4 mg/L (ppm)			
				46-1131/SW846-6		;	ICP-AES			mg/L (ppr		
Soil		····		SW846-7000	3		Atomic Ab			ng/kg (pp		
i	d			SW846-7010		Grap	hite Furna			ng/kg (pr		├──╞ ╅╌┨
				SW846-6010B		·	ICP-AES Atomic Ab			ng/kg (ppr mg/L (ppi		
Wastewater	Unpreserved		SM3111B/SW846-7000B EPA 200.9				hite Furna			3 mg/L (p		
Preserved wi	th HNO_3 pH < 2		EPA 200.7			_	ICP-AES		0.020 mg/L (ppm)			
Drinking Wat	er Unpreserved		EPA 200.9			Grap	Graphite Furnace AA			0.003 mg/L (ppm)		
	th HNO_3 pH < 2			EPA 200.8			ICP-MS			1 mg/L (pr		
TSP/SPM File	ter		<u> </u>	40 CFR Part		Crop	ICP-AES			2 µg/filter .6 µg/filter		-
Other:				40 CFR Part	JU	Giap	inte i dirita	0074	Ĭ	.o µg/mto/		
	(1-) (4)				Sig	nature of	Sample	r.		(b)(4)		
Name of San	pier: (D)(4)	Locati	ion		l Sig	_	ume/Are		•	Date/T	ime S	Sampled
Sample # S230	In between			llector #1			1170L	-	·- ·- ·-			m 5:10pm
S231	In between				 		1170L			3/12/15	7:25a	m 5:10pm
S232	(L) (A)				<u> </u>		1160L			3/12/15	7:35a	m 5:15pm
<u> </u>	(b)(4) Re-Cleaning Soft Core				1160L					m 5:15pm		
J			<u> </u>	1160L 1172L					m 5:24pm			
S234					2 = 500	wilg		al # of S	amnle			
Client Samp	le #'s 52.30	- 52:	<u> </u>	SCGW11		2/15	1100			4:30 p	 m	
Relinquished	d (Client):			Date:	1	116/15	<u> </u>	Time:	·-··	f:49		
Received (Lat	o):			Date:		(41.)		Time:		1,.,,	7	
Comments:												

Page 1 of ____ pages





LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S235	9th Fl below Critical Barrier	1172L	3/12/15 7:39am 5:25pm
S236	Blank	QA/QC	3/12/15
SCGW117	Inside 13th Fl Clean Room	12x12	3/12/15
SCGW118	Outside 13th Fl Clean Room	12x12	3/12/15
SCGW119	Inside 11th Fl Clean Room	12x12	3/12/15
	Outside 11th Fl Clean Room	Void	Raining
Comments/Sp	pecial Instructions:		

								<u></u>	
	National Aeronautics and						DATE	N	March 18, 2015
NASA	Space Administration	RACTOR	R TRAN	SMITTAI	SHFF	Т	.,		
	John C. Stennis Space Center	.,				•		SHEET	
	Stennis Space Center, MS 39S29-6000						1	OF	1
	SECTION I - REQUEST FO	OR APPRO	OVAL <i>(To</i>	be Initiate	d by the	Contractor,	1		
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,		SAMPLES, C)R	CON	TRACT NO.	Х	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COM	MPLIANCE			NNS	14AA30T	_	1	
	(See Instructions on Reverse)			r			0	RESUBMITT	
ТО	FROM	PREVIOUS TRANSMITTAL NO. (If Any)					TF	RANSMITTA	L NO.
(b)(4) HARRY PEPPER & ASS				0			307	
	ION AND SECTION NO. (Cover Only One Section With Each T	1	PROJECT TI	TLE AND LOCA					
200H0-GA	04 02 82 33.13 Air Samples 3-13-15 thru 3-1	15-15			SL430WF	B00-03 SOFT CO			
	DESCRIPTION OF ITEM SUBMITTED					CONTRACT REF		VARIATION	
ITEM	(Type, Size, Model Number, etc.)	1	JFACTURER		NO OF	DOCUM		(See	CODE
NO.	(See Instruction No. 3)	(See	Instruction	No. 8)	COPIES	SPECIFICATION	DRAWING	1	(See Instruction
(a)	(b)		(c)		(d)	PARAGRAPH NO. (e)	SHEET NO. (f)	No. 6) (g)	No. 9 (h)
1	Air Samples Collected 3-13-15	ОНС			3	3.4.1.1.c		- 107	(,
2	Air Samples Collected 3-15-15	ОНС			3	3.4.1.1.c	_	_	-
-	_			~	_	_	-	_	_
-	-			-	-	-	-	_	-
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-	-			-	-	_	-	-	-
-	-			-	_	-	_	_	_
_	-			-	-	-	-	_	-
REMARKS:	3 Hard Copies included.					the above submitt re correct and in st			
						specifications exce			
						NAME AND SI	GNATURE O	F CONTRACTO	OR .
····	SEC	CTION II -	APPROV	AL ACTION					
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, TITI	LE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Stand

Phone:

(813) 626-8156

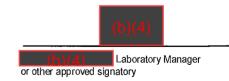
Fax: Received: (813) 623-6702 03/17/15 8:59 AM

Collected:

3/13/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	nt SampleDescription Collected Analyzed Volume		RDL	Lead Concentration		
S237 341502546-0005	3/13/2015 3/17/2015 Site: 75 / 4 Re-cle	1000 L eaning Soft Core	4.0 μg/m³	<4.0 µg/m³		
S238 341502546-0006	3/13/2015 3/17/2015 Site: Re-0	1000 L cleaning Soft Core	4.0 μg/m³	7.0 µg/m³		
S239 341502546-0007	3/13/2015 3/17/2015 Site: 14th FI Above the D	1000 L econ	4.0 μg/m³	<4.0 μg/m³		
S240 341502546-0008	3/13/2015 3/17/2015 Site: 13th FI Outside the	1000 L Decon	4.0 μg/m³	<4.0 μg/m³		
S241 341502546-0009	3/13/2015 3/17/2015 Site: 12th FI Below the D	1000 L econ	4.0 μg/m³	<4.0 μg/m³		
S242 341502546-0010	3/13/2015 3/17/2015 Site: 10th FI Below Critica	1020 L al Barrier	3.9 µg/m³	<3.9 µg/m³		
S243 341502546-0011	3/13/2015 3/17/2015 Site: 9th FI Below Critical	1020 L Barrier	3.9 µg/m³	<3.9 µg/m³		
S244 341 <i>5</i> 02546-0012	3/13/2015 3/17/2015 Site: Blank	0 L	4.0 μg/filter	<4.0 μg/filter		



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "c" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 03/17/2015 15:43:45

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



Lead (Pb) Chain of Custody

EMSL Órder ID (Lab Use Only)

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

										110 (407) 3	
	IC Environmenta				EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**						
Street: 5420 B	ay Center Drive	Suite 10	10			Thi	ird Party Billing	g requires w	ritten auth	orization from third p	arty
City:Tampa		State/P	Province:	FL	Zip/P	osta	l Code: 33	609		Country: United	States
Report To (Na	me): (b)(4)						e#: 813-62		~		
Email Address		(b)(4	I)		Fax#	<u>t:</u> 8	313-623-670	02		Purchase Order	
Project Name/	Number: Stennis	B1 B2 7	est Stand		Pieas	e Pr	ovide Resu	its:	FAX	✓ E-mail	Mail
U.S. State San	nples Taken: MS						les: 🗌 Com		axable [Residential/Tax	Exempt
				Time (TA			s* - Please	Check			
3 Hour	■ 6 Hour	■ 24		☐ 48 Hour				☐ 96 Hou] 1 Week	2 Week
		complete	d in accordar		L's Terr	ns ar	nd Conditions				Check
251	Matrix	<u></u>	 	Method		-		ument		porting Limit	CIRCK
	y wt. 🗌 mg/cm² 📗	_ ppm	5	SW846-7000E	3			0.01%			
Air 24 hr.		ļ		NIOSH 7082				nic Absorption		4 µg/filter	×
		!		NIOSH 7105					0.03 µg/filter		
				SH 7300 mod				S/ICP-MS		0.5 µg/filter	x
Wipe*	ASTM non ASTM	X 		SW846-7000E		\dashv		nic Absorptio		10 µg/wipe	
*if no box is	checked, non-ASTM			V846-6010B o /846-7000B/7				P-AES		1.0 μg/wipe .075 μg/wipe	
7015	Wipe is assumed			······································	- I	Graphite Furnace AA Flame Atomic Absorption			.075 µg/wipe 4 mg/L (ppm)		
TCLP		l	SW846-1311/7000B/SM SW846-1131/SW846-60					P-AES		4 mg/L (ppm) 1 mg/L (ppm)	
Soil		100		SW846-7000E		Ť		nic Absorptio	والمستوي المراز الأراز المناولات	mg/kg (ppm)	
			SW846-7010				<u>-</u>	Furnace AA	0.3	3 mg/kg (ppm)	
				V846-6010B o				P-AES	212 1	mg/kg (ppm)	
Wastewater	Unpreserved		SM3111B/SW846-7000B			\dashv		nic Absorptio		4 mg/L (ppm)	
Preserved wi	th HNO₃ pH < 2		<u></u>	EPA 200 9 EPA 200.7		-1		Furnace AA -AES		03 mg/L (ppm) 20 mg/L (ppm)	
Drinking Wat	ter Unpreserved			EPA 200.9		_	Graphite Furnace AA			003 mg/L (ppm)	
	th HNO ₃ pH < 2			EPA 200.8			ICP-MS			001 mg/L (ppm)	
TSP/SPM Filt				0 CFR Part 5				P-AES		12 µg/filter	
	· · · ·	-	4'	OCFR Part 5	0		Graphite '	Furnace AA		3 6 µg/filter	
Other:			-	<u></u>						41.54.45	
Name of Sam	pler: (b)(4)	<u> </u>			Sı	gna	ture of Sar			(b)(4)	and and
Sample #		Location	·····					Area 🗸		Date/Time S	
S237			eaning S				100			3/13/15 8:25a	
S238	(6)(1)	Re-C	leaning S	Soft Core			100			3/13/15 8:25a	
S239	14th FI	Above	the deco	on			100	0L		3/13/15 8:30a	m 4:50pm
S240	13th Fl (Jutsid€	the Dec	con	_		100	0L		3/13/15 7:31a	m 4 ⁻ 51pm
S241	12th FI	Below	the Deco	on			100	0L		3/13/15 7.32a	m 4:52pm
Client Sampl	e#'s 523	1 - 52	44 .	504	NIZO_	-\$	CW123	Total # o	f Sampi	es: /2_	
Relinquished				Date:		15/1			ne:	4:30 pm	
Received (Lab)	Date:	3	117	115	Tim		8:590	m
Comments:					1	1	//				



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887

IONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S242	10th FI below Critical Barrier	1020L	3/13/15 8:41am 5:11pm
S243	9th Fl below Critical Barrier	1020L	3/13/15 8:42am 5:12pm
S244	Blank	QA/QC	3/13/15
SCGW120	Inside 13th Fl Clean Room	12x12	3/13/15
SCGW121	Outside 13th Fl Clean Room	12x12	3/13/15
SCGW122	Inside 11th Fl Clean Room	12x12	3/13/15
SCGW123	Outside 11th Fl Dirty Room	12X12	3/13/15
			· · · · · · · · · · · · · · · · · · ·
	pecial Instructions:		



5125 Adanson Street, Suite 900, Orlando, FL 32804 (407) 599-5887 / (407) 599-9063 Phone/Fax

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

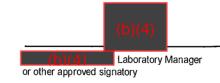
Phone: (813) 626-8156 (813) 623-6702 Fax: Received: 03/17/15 8:59 AM

Collected:

3/15/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S245 341502547-0005	3/15/2015 Site: in Be	3/17/2015 tween Dust Co	960 L ollectors	4.2 μg/m³	<4.2 µg/m³
S246 341502547-0006		3/17/2015 FI Below Critic	960 L al Barrier	4.2 μg/m³	<4.2 μg/m³
S247 341502547-0007		3/17/2015 I Below Critical	960 L I Barrier	4.2 μg/m³	<4.2 μg/m³
S248 341502547-0008	3/15/2015 Site(-	3/17/2015)(4) Re-d	990 L cleaning Soft Core	4.0 μg/m³	<4.0 μg/m³
S249 341502547-0009	3/15/2015 Site(<u> </u> -	3/17/2015)(4) Re-d	990 L cleaning Soft Core	4.0 μg/m³	<4.0 µg/m³
S250 341502547-0010	3/15/2015 Site: 14th	3/17/2015 FI Above the D	960 L econ	4.2 μg/m³	<4.2 μg/m³
S251 341 <i>5</i> 02547-0011	3/15/2015 Site: 13th	3/17/2015 FI Outside the	960 L Decon	4.2 μg/m³	<4.2 μg/m³
S252 341502547-0012	3/15/2015 Site: 12th	3/17/2015 FI Below the Do	960 L econ	4.2 μg/m³	<4.2 μg/m³
S253 341502547-0013	3/15/2015 Site: Blank		0 L	4.0 μg/filter	<4.0 μg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/17/2015 15:48:47

Lead (Pb) Chain of Custody

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

EMSL Order ID (Lab Use Only): EMBL ANALYTICAL, INC.

Orlando, FL 32804 PHONE: (407) 599-5887 FAX. (407) 599-9063

								V /	
Company : Ol	HC Environmenta	l Engine	eering, Inc.	EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**					
Street: 5420 E	Bay Center Drive	Suite 10	00] _{7/}	nird Party Billing requ	ires writte	n authon	ization from third n	ıartv
City: Tampa		State/F	Province: FL		al Code: 33609			ountry: United	
Report To (Na	me): (b)(4)			Telephor	ne #: 813-626-81	156			
Email Addres	s:	(h)(4	I)	Fax#:	813-623-6702		F	urchase Order	
	Number: Stennis	B1 B2 1	Test Stand	Please P	rovide Results:	FAX	<u> </u>	E-mail	Mail
U.S. State Samples Taken: MS				oles: Commerc	ial/Taxal	ole 🖂	Residential/Tax	Exempt	
		Τι	rnaround Time (TA				<u> </u>		
☐ 3 Hour	■ 6 Hour	■ 24				Hour		l Week	2 Week
		complete	d in accordance with EMS	SL's Terms a	nd Conditions locate	d in the Pr			
	Matrix		Method		Instrume	nt	Rep	orting Limit	Check
Chips □ % b	y wt. ☐ mg/cm² [] ppm	SW846-7000	В	Flame Atomic Ab	sorption		0.01%	
Air 24 hr.			NIOSH 7082	2	Flame Atomic Ab	sorption	4	4 μg/filter	×
			NIOSH 7105		Graphite Furna	ce AA		03 µg/filter	
			NIOSH 7300 mo	dified	ICP-AES/ICP	-MS	0	.5 μg/filter	
Wipe*	ASTM	×	SW846-7000	8	Flame Atomic Ab	sorption	1	0 μg/wipe	×
*If no box is	non ASTM checked, non-ASTM		SW846-6010B	or C	ICP-AES		1.	0 µg/wipe	
	Wipe is assumed	:	SW846-7000B/7	7010	Graphite Furna	ce AA		75 µg/wipe	
TCLP	SW846-1311/7000B/S							mg/L (ppm)	
<u> </u>	SW846-1131/SW846-6			ICP-AES	·		mg/L (ppm)		
Soil	2011		SW846-7000 SW846-7010		Flame Atomic Ab Graphite Furna			ng/kg (ppm)	- -
			SW846-6010B		ICP-AES			ng/kg (ppm) ig/kg (ppm)	
			\$M3111B/SW846-		Flame Atomic Ab			mg/L (ppm)	
Wastewater	Unpreserved		EPA 200.9		Graphite Furna			mg/L (ppm)	
Preserved w	ith HNO₃ pH < 2		EPA 200.7		ICP-AES			mg/L (ppm)	
	ter Unpreserved		EPA 200.9		Graphite Furnace AA			3 mg/L (ppm)	
Preserved w	ith HNO₃ pH ∮ 2	Ш	ÆPA 200.8		ICP-MS			1 mg/L (ppm)	
TSP/SPM Fil	ter		40 CFR Part 5					2 µg/filter	 -
Other:	***************************************		40 OFR FAILS	DU	Graphile Fulfia	CE AA	J	6 μg/filter	
				Ciana	ı ıture of Sample		/1	-)/4)	
Name of San Sample #	ipier: (0)(4)	Location	00	l Signa	Volume/Are			Date/Time S	Sampled
S245	In between		st Collectors	 	960L			3/15/15 8:15a	
					960L			3/15/15 8:21a	
S246			ritical Barrier						
\$247	9th Fi be		itical Barrier		960L			3/15/15 8:22a	
\$248	Re-Cleaning Soft Core				990L			3/15/15 8.35a	m 4:50pm
S249		(b)(4) Re-Cleaning Soft Core			990L	******		3/15/15 8:35a	m 4:50pm
Client Samp	le#'s \$245 j	THEN S.	253 \$ SCGW 12			# of Sa	mples	13	
Relinquished	d (Client):		Date:	3/15/	15	Time:		4:30 pm	
Received (Lat	o):		4) Date:	3/1	7/15	Time:		8:590+	n
Comments:			, =	11	7	·		<u> </u>	
									İ

OrderID:



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887

HONE: (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S250	14th Fl Above the Decon	960L	3/15/15 8:30am 4:30pm
S251	13th Fl Outside the Decon	960L	3/15/15 8:35am 4:35pm
S252	12th Fl Below the Decon	960L	3/15/15 8:40am 4:40pm
S253	Blank	QA/QC	3/15/15
SCGW124	Inside 13th Fl Clean Room	12X12	3/15/15
SCGW125	Outside 13th Fl Clean Room	12X12	3/15/15
SCGW126	Inside 11th Fl Clean Room	12X12	3/15/15
SCGW127	Outside 11th Fl Clean Room	12X12	3/15/15
		A 14	
Comments/Sp	pecial Instructions:		

	National Aeronautics and				-		DATE	N	March 20, 2015
NEAR	Space Administration	D A CTOI	D TD A NI	SMITTA	I CHEE	т			
	John C. Stennis Space Center	NACIOI	V IIVAIA	JIVII I I A	L JIILL	•		SHEET	
	Stennis Space Center, MS 39529-6000						1	OF	1
	SECTION I - REQUEST FO	OR APPRO	OVAL <i>(To</i>	be Initiate	ed by the	Contractor)		
-	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA	, MATERIAL	SAMPLES, C)R	CONT	TRACT NO.	Х	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COI	MPLIANCE			NNS	14AA30T		1	
	(See Instructions on Reverse)			T -			0	RESUBMITT	
TO	FROM			PREVIOUS TE		AL NO. (If Any)	TRANSMITTAL NO.		
(b)(4	HARRY PEPPER & ASS				0			309	
SPECIFICATI 200H0-GA(ON AND SECTION NO. (Cover Only One Section With Each 7 OA 02 82 33 .13.20 Air & Wipe Samples	Fransmittal	PROJECT T	TLE AND LOC		B00-03 SOFT CO	RE PAINTIN	IG	
200110 0710			1			CONTRACT REF	ERENCE	VARIATION	ACTION
ITEM	DESCRIPTION OF ITEM SUBMITTED (Type, Size, Model Number, etc.)	MANUFACTURER O		OF ITEM	NO OF	DOCUM	ENT	(See	CODE
NO.	(See Instruction No. 3)	(See	Instruction	No. 8)	COPIES	SPECIFICATION	DRAWING	Instruction	(See Instruction
(a)	(b)		(c)		(d)	PARAGRAPH NO.	SHEET NO.	No. 6)	No. 9
		OHC	(0)		3	(e) 3.4.1.1.c	(f) _	(g)	(h)
1	Wipe Samples Collected 3-13-15				1				
2	Wipe Samples Collected 3-15-15	ОНС			3	3.4.1.1.c	-	-	-
3	Wipe Samples Collected 3-18-15	ОНС			3	3.4.1.1.c	-	-	-
4	Air Samples Collected 3-18-15	ОНС			3	3.4.1.1.c	-	-	-
-				-	-	-	-	-	-
_	-			-	-	-	_	-	_
-				-	-	-	-	-	-
- REMARKS:	-			_	-	- t the above submitt		- heen reviewe	- d in
KEIVIANKS.	3 Hard Copies included.				detail and a	re correct and in st	rict conforma		
					drawings &	specifications exce	ent as stated		
			No.		<u> </u>	NAME AND SI	GNATURE O	F CONTRACTO	DR
	SEG	CTION II -	APPROV	AL ACTION	N				· · · · · · · · · · · · · · · · · · ·
ENCLOSURE	S RETURNED (List by Item No.)	NAME, TIT	LE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156

Fax:

(813) 623-6702 03/20/15 9:00 AM

Received: Collected:

3/18/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S272 341502688-0005	3/18/2015 3/20/2015 Site: @ the Dust Collector	1024 L s	3.9 µg/m³	<3.9 µg/m³
S273 341502688-0006	3/18/2015 3/20/2015 Site: Personnel	980 L	4.1 μg/m³	<4.1 µg/m³
S274 341502688-0007	3/18/2015 3/20/2015 Site: Personnel	980 L	4.1 μg/m³	<4.1 µg/m³
S275 341502688-0008	3/18/2015 3/20/2015 Site: Level 12 Below Deco	970 L n	4.1 μg/m³	<4.1 µg/m³
S276 341502688-0009	3/18/2015 3/20/2015 Site: Level 13 @ the Deco	950 L n	4.2 μg/m³	<4.2 μg/m³
S277 341502688-0010	3/18/2015 3/20/2015 Site: Level 14 Above Deco	930 L n	4.3 µg/m³	<4.3 µg/m³
S278 341502688-0011	3/18/2015 3/20/2015 Site: Level 10 Outside the	970 L Work Area	4.1 μg/m³	<4.1 μg/m³
S279 341502688-0012	3/18/2015 3/20/2015 Site: Level 9 Outside the V	970 L Vork Area	4.1 µg/m³	<4.1 µg/m³



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/20/2015 15:12:08

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

LABORATORY-PRODUCTS-TRANSMS	(-)	(')				FAX (407) 5	
Company: OHC Environmental Engine	ering, Inc.		EMSL-Bill If Bill to is Differ	to:	Differ ructions m	ent / Same	,
Street: 5420 Bay Center Drive Suite 10	00	Third Party Billing requires written authorization from third party					
	Province: FL		I Code: 33609	noo willon		ountry: United	
Report To (Name): (b)(4)			e#: 813-626-81	56			
	1		313-623-6702		P	urchase Orde	<u> </u>
Email Address: (h)(/ Project Name/Number: Stennis B1 B2	Teet Stand		ovide Results:	FAX		E-mail	Mail
	rose Otaria		les: Commerc			Zoeidontial/Ta	x Fxemnt
U.S. State Samples Taken: MS	irnaround Time (TA				10 []	103)40111141712	A BASILIPE
	Hour 48 Hour			Hour	□1	Week [] 2 Week
	d in accordance with EMS	_		d in the Pr	ce Guide	9	
Matrix	Method		Instrume		Rep	orting Limit	Check
Chips ☐ % by wt. ☐ mg/cm² ☐ ppm	SW846-7000E	3	Flame Atomic Ab	sorption		0.01%	
Air 24 hr.	NIOSH 7082		Flame Atomic Ab	•		µg/filter	X
## T 119 v	NIOSH 7105		Graphite Furna			3 µg/filter	╂┼┼
	NIOSH 7300 mod		ICP-AES/ICP			5 μg/filter	×
Wipe* ASTM ☑ non ASTM ☐	SW846-7000		Flame Atomic Ab) μg/wipe	
*if no box is checked, non-ASTM	SW846-6010B o					0 μg/wipe 75 μg/wipe	
Wipe is assumed					mg/L (ppm)	 	
TCLP	TCLP SW846-1311/7000B/S SW846-1131/SW846-6					mg/L (ppm)	
Soil	SW846-7000		ICP-AES Flame Atomic Ab			ng/kg (ppm)	
3017	SW846-7010		Graphite Furna	ce AA	0.3 r	ng/kg (ppm)	
	SW846-6010B	The second second second second second second second second second second second second second second second se	ICP-AES			g/kg (ppm)	
Wastewater Unpreserved	\$M3111B/\$W846-	7000B	Flame Atomic Ab Graphite Furna			mg/L (ppm)	╂┈╞┽┈
Preserved with HNO ₃ pH < 2	EPA 200.9 EPA 200.7		ICP-AES		0.003 mg/L (ppm) 0.020 mg/L (ppm)		╂┼┼
Drinking Water Unpreserved	EPA 200.9	W. 704-11-11-11-11-11-11-11-11-11-11-11-11-11	Graphite Furnace AA		0.003 mg/L (ppm)		
Preserved with HNO ₃ pH < 2	EPA 200.8		ICP-MS 00			1 mg/L (ppm)	
TSP/SPM Filter	40 CFR Part 8				1.	2 µg/filter	
	40 CFR Part	50	Graphite Furnace AA 3 6 µg/filter				
Other:			<u> </u>		<u> </u>	<u>.</u>	1
Name of Sampler:	.	Signa	ture of Sample Volume/Are			Date/Time	Sampled
Sample # Locat		 		;a .			0700
S272 @ the Dust C	collectors	 	1024			3-18-15	1532
5273 Personnel	(b)(4)	 	980		. 	 	1525
5274 Personnel			980			 	1525
S275 Level 12 Below DOCON			970			<u> </u>	1520
5276 Level 13 4600	the Decon		950]	1515
	79 / SCGW	- 136 -	/39 Tot	al # of S	ample		
Relinquished (Client):			18-15	Time:		4:30 pm	
Received (Lab):)(4)	3-7	10-15	Time:		9:009	
Comments:							



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE (407) 599-5887 FAX (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled		
S277	Level 14 Above Decon	930	3-18-15	7:25	
S278	Level 10 Of the work Area	950 970	1	735 1540	
S279	Level 9 outside the Work Area	970		1545	
S					
scgw136	13th fl clean room	12. 12.	3-18-15		
scgw1377	Outside 13th fl clean room	ts			
scgw/38	11th fl clean room	١.			
scgw 139	Outside 11th fl clean room	(,			
Comments/Spe	ecial Instructions:				



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Stand

Phone:

(813) 626-8156

Fay

(813) 623-6702 03/17/15 8:59 AM

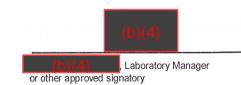
Received:

Collected:

3/13/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW120	3/13/2015	3/17/2015	144 in²	10 μg/ft²	100 μg/ft²
341502546-0001	Site: Insid	e 13th Fl Clea	n Room		
SCGW121	3/13/2015	3/17/2015	144 in²	10 μg/ft²	1300 µg/ft²
341502546-0002	Site: Outs	ide 13th FI Cle	an Room		
SCGW122	3/13/2015	3/17/2015	144 in²	10 μg/ft²	300 µg/ft²
341502546-0003	Site: Insid	e 11th Fl Clea	n Room		
SCGW123	3/13/2015	3/17/2015	144 in²	10 μg/ft²	360 μg/ft²
341502546-0004	Site: Outs	ide 11th FI Dir	ty Room		



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are Analysis following Lead in Distroy Ends. SOF Determination of Leading Technologies and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/17/2015 13:20:02



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

					, , , , , , , , , , , , , , , , , , ,				1 ~~ (407)	
Company : OH	IC Environmenta	l Engine	ering,	nc.	EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**					
Street: 5420 B	ay Center Drive	Suite 10	0		Third Party Billing requires written authorization from third party					
City: Tampa		State/P		e: FL		al Code: 3			ountry: Unite	
Report To (Nar	ne): (b)(4)				Telephoi	ne #: 813-6	626-8156			
Email Address		(b)(4	1)		Fax#:	313-623-6 ⁻	702	P	urchase Ord	er:
Prolect Name/	Number: Stennis	B1 B2 7	Γest St	and	Piease P	rovide Res	ults: FAX	K	E-mail	Mail
	ples Taken: MS		•		CT Samp	les: Co	mmercial/Taxal	ole 🔲 i	Residential/T	ax Exempt
		Tu	rnaro	und Time (TA						
☐ 3 Hour	■ 6 Hour			<u></u> □ 7	2 Hour	☐ 96 Hour		Week	☐ 2 Week	
		L's Terms a		s located in the Pr	ice Guid	e				
	Matrix			Method		Ins	trument	Rep	orting Limit	Check
Chips 🗆 % by	ywt. 🗌 mg/cm² 🛚	ppm		SW846-7000E	3	Flame Ato	omic Absorption		0.01%	
Air 24 hr.				NIOSH 7082		Flame Ato	omic Absorption	1	4 µg/filter	X
24 (11)				NIOSH 7105					03 µg/filter	
				NIOSH 7300 mod					.5 μg/filter	_
Wipe* ASTM IN NON ASTM IN NON ASTM IN NON ASTM		×		SW846-7000			omic Absorption		0 µg/wipe	X
			ļ	SW846-6010B c				1	0 μg/wipe	-
	Wipe is assumed		SW846-7000B/7			Graphite Furnace AA		0.075 μg/wipe		┵╧
TCLP			SW846-1311/7000B/SI SW846-1131/SW846-60			Flame Atomic Absorption ICP-AES		0.4 mg/L (ppm) 0.1 mg/L (ppm)		╂╌┾╡╌┤
Soil		37704	SW846-7000E			omic Absorption		ng/kg (ppm)		
1 30/1		N.E.	***	SW846-7010			e Furnace AA		mg/kg (ppm)	
				SW846-6010B c	or C	10	CP-AES	2 m	ng/kg (ppm)	
Wastewater	Unpreserved		SM3111B/SW846-7000B			1	omic Absorption		mg/L (ppm)	
	th HNO ₃ pH < 2	H	EPA 200 9				e Furnace AA		3 mg/L (ppm	
				EPA 200.7					0 mg/L (ppm 3 mg/L (ppm)	' -
	ter Unpreserved th HNO ₃ pH < 2	H	ļ	EPA 200.9 EPA 200.8	ICP-MS			1 mg/L (ppm)		
				40 CFR Part 5	0	IC	CP-AES	1:	2 µg/filter	
TSP/SPM Filt	er			40 CFR Part 5	0	Graphit	e Furnace AA	3	6 µg/filter	
Other:				: 				<u> </u>		
Name of Sam	apler: (b)(4)				Signa	ature of S			(b)(4)	
Sample #		Locati	on	·····			ne/Area 🗸			e Sampled
S237		Re-Cl	eanin	g Soft Core		10	00L		3/13/15 8:2	5am 4:45pm
S238		Re-C	leanir	g Soft Core		10	000L		3/13/15 8:2	5am 4:45pm
S239	14th Fl	Above	the d	econ		10	100L		3/13/15 8:3	0am 4:50pm
S240	13th Fl Outside the Decon				10	00L		3/13/15 7:3	1am 4 [,] 51pm	
\$241	S241 12th FI Below the Decon			10	000L		3/13/15 7.3	2am 4:52pm		
Client Samp	le #'s 523	1 - 52	44	5CG	2- <u>120</u> - S	64123	Total # of S	ampie	s: 12_	
Relinquished				Date:	3/15/	15	Time:		4:30 pm	
Received (Lab				Date:	7/1	1/15	Time:		8:53	am
Comments:					7	7,				
				<u>-</u> _						



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S242	10th Fl below Critical Barrier	1020L	3/13/15 8:41am 5:11pm
S243	9th Fl below Critical Barrier	1020L	3/13/15 8:42am 5:12pm
S244	Blank	QA/QC	3/13/15
SCGW120	Inside 13th Fl Clean Room	12x12	3/13/15
SCGW121	Outside 13th Fl Clean Room	12x12	3/13/15
SCGW122	Inside 11th Fl Clean Room	12x12	3/13/15
SCGW123	Outside 11th Fl Dirty Room	12X12	3/13/15
			······
Comments/S	pecial Instructions:		



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156

Fax:

(813) 623-6702 03/20/15 9:00 AM

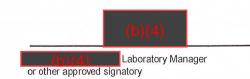
Received: Collected:

3/18/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

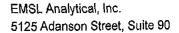
Client SampleDescription	Collected Analyzed Area Sampled			RDL	Lead Concentration	
SCGW136	3/18/2015	3/20/2015	144 in²	10 μg/ft²	110 µg/ft²	
341502688-0001	Site: 13th	FI Clean Room				
SCGW137	3/18/2015	3/20/2015	144 in²	10 μg/ft²	82 μg/ft²	
341502688-0002	Site: Outs	ide 13th FI Cle	an Room	· ·	· · · · · · · · · · · · · · · · · · ·	
SCGW138	3/18/2015	3/20/2015	144 in²	10 μg/ft²	100 μg/ft²	
341502688-0003	Site: 11th	FI Clean Room	[
SCGW139	3/18/2015	3/20/2015	144 in²	10 μg/ft²	390 μg/ft²	
341502688-0004	Site: Outs	ide 11th FI Cle	an Room	, ,		



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in pg/ft which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "c" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/20/2015 13:01:01





Lead (Pb) Chain of Custody

EMSL Órder ID (Lab Use Only):

Orlando, FL 32804 PHONE' (407) 599-5887 FAX' (407) 599-9063

						70 0000			
Company: OHC Environmental Engineering, Inc.				EMSL-Bill to: Different \(\sqrt{Same} \) If Bill to is Different note instructions in Comments**					
Street: 5420 Bay Center Drive Suite 100				Third Party Billing requires written authorization from third ρarty					
			Zip/Postal Code: 33609 Country: United States						
Report To (Name): (b)/	4)		Telephon	ne #: 813-626-8156					
Email Address:	(b)(4)	Fax #: 8	313-623-6702	Purchase Order	<u>:</u>			
Project Name/Number: Ste	nnis B1 B2	est Stand	Please Pr	rovide Results: FAX	⟨ ✓ E-mail	Mail			
U.S. State Samples Taken:			CT Samp	les: 🔲 Commercial/Taxal	ole 🗌 Residential/Ta	Exempt			
The state of the s	Turnaround Time (TAT) Options* - Please Check								
☐ 3 Hour ■ 6 Ho				2 Hour 🔲 96 Hour		2 Week			
	nalysis complete		L's Terms a	nd Conditions located in the Pr	ice Guide	Charle			
Matrix		Method		Instrument	Reporting Limit	Check			
Chips ☐ % by wt. ☐ mg/0	m² 🗌 ppm	SW846-7000E	3	Flame Atomic Absorption	0.01%				
Air 24 hr.		NIOSH 7082		Flame Atomic Absorption	4 µg/filter	×			
24 111.		NIOSH 7105		Graphite Furnace AA	0.03 µg/filter				
		NIOSH 7300 mod		ICP-AES/ICP-MS	0.5 µg/filter				
	STM 🗵	SW846-7000F		Flame Atomic Absorption	10 µg/wipe	×			
non A *ifno box is checked, non-		SW846-6010B c		ICP-AES	1.0 µg/wipe	느ᆜ			
Wipe is ass		\$W846-7000B/7		Graphite Furnace AA	0.075 μg/wipe				
TCLP		SW846-1311/7000B/SM 3111B		Flame Atomic Absorption ICP-AES	0.4 mg/L (ppm)				
		SW846-1131/SW846-6010B or C SW846-7000B		Flame Atomic Absorption	0.1 mg/L (ppm) 40 mg/kg (ppm)	┝╼┾═┤			
Soil		SW846-7000B SW846-7010		Graphite Furnace AA	0.3 mg/kg (ppm)				
		SW846-6010B or C		ICP-AES	2 mg/kg (ppm)				
	. –	SM3111B/SW846-7000B		Flame Atomic Absorption	0.4 mg/L (ppm)				
Wastewater Unpreserved ☐ Preserved with HNO₃pH < 2 ☐		EPA 200.9		Graphite Furnace AA	0.003 mg/L (ppm)				
		EPA 200.7		ICP-AES	0.020 mg/L (ppm)				
Drinking Water Unprese		EPA 200.9		Graphite Furnace AA ICP-MS	0.003 mg/L (ppm) 0 001 mg/L (ppm)	 - -			
Preserved with HNO ₃ ph	<u> </u>	EPA 200.8		ICP-AES	12 µg/filter				
TSP/SPM Filter		40 CFR Part 50 40 CFR Part 50		Graphite Furnace AA	3 6 µg/filter				
Other:									
Name of Sampler:		***************************************	Signa	ature of Sampler:					
Sample #	Locati	on	1	Volume/Area	Date/Time	Sampled			
	_	ollectors		1024	3-18-15	1532			
		BITECTORS				0715			
5273 Personne	7_	(b)(4)	07/						
S274 Pensawel				1525					
S 275 Level				970		1520			
	13 46800	the Decon		950		1515			
Client Sample #'s 272 - 279 / 506W - 136 - 139 Total # of Samples: 12									
Relinquished (Client):				18-15 Time:	4:30 pm				
Received (Lab):)(4) Date:	3-7	10 -15 Time:	9:009					
Comments:									



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

(b)(4)

Orlando, FL 32804

PHONE (407) 599-5887

FAX (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled			
S277	Level 14 Above Decon	930	3-18-15	7:25		
S278	Level 10 06 the work Area	950 970	1	735 1540		
S279	Level 9 outside the Work Avea	970		740		
S				<u> </u>		
SCGW 136	13th fl clean room	12.X \2.	3-18-15			
SCGW 1377	Outside 13th fl clean room	* *				
scew/38	11th fl clean room	1.				
scgw 139	Outside 11th fl clean room	11				
Comments/Spe	ecial Instructions:	<u> </u>	<u> </u>			



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand Phone:

Fax:

(813) 626-8156

(813) 623-6702

Received:

03/17/15 8:59 AM

Collected:

3/15/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected A	Inalyzed	Area Sampled	RDL	Lead Concentration
SCGW124 341502547-0001	3/15/2015 3/1 Site: Inside 13	17/2015 8th Fl Clean	144 in² Room	10 μg/ft²	230 μg/ft²
SCGW125 341502547-0002	3/15/2015 3/1 Site: Outside 1	17/2015 13th Fl Clea	144 in² an Room	10 μg/ft²	110 μg/ft²
SCGW126 341502547-0003	3/15/2015 3/1 Site: Inside 11	17/2015 Ith Fl Clean	144 in² Room	10 μg/ft²	320 μg/ft²
SCGW127 341502547-0004	3/15/2015 3/1 Site: Outside 1	17/2015 11th Fl Clea	144 in² an Room	10 µg/ft²	990 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples reported above and may not be reproduced, except in run, wintout written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/17/2015 13:21:58



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

				_					170" (407) 5	99-9003	
Company : OHC Environmental Engineering, Inc.				EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**							
Street: 5420 Bay Center Drive Suite 100				Third Party Billing requires written authorization from third party							
City: Tampa	State/Province: FL				Zip/Postal Code: 33609 Country: United States						
Report To (Na					Telephone #: 813-626-8156						
Email Address	3:	(h)(/	1)		Fax #:	813-623-670	02		Purchase Order		
	Number: Stennis B1	B2 T	est Stand			rovide Resu		FAX .	✓ E-mail	Mail	
	nples Taken: MS	····						avable [Residential/Tax	Exempt	
Old Care	iproo yanom	Tu	rnaround T	ime (TA			بالتحقيق والبراوات والمناف		111001001111111111111111111111111111111		
3 Hour	6 Hour	24] 48 Hour			☐ 96 Hou	ır I 🗇	1 Week	2 Week	
			d in accordance	••			—	, –			
	Matrix		ľ	Method		Instr	ument	Re	porting Limit	Check	
Chips □ % b	y wt. ☐ mg/cm² ☐ p	pm	SW	/846-7000E	3	Flame Aton	nic Absorptio	on	0.01%		
Air 24 hr.			NI	OSH 7 082		Flame Aton	nic Absorptio	l	4 μg/filter	×	
4 T (1);				OSH 7105			Furnace AA).03 µg/filter		
			NIOSH	7300 mod	lified	ICP-AE	S/ICP-MS		0.5 µg/filter		
Wipe*	ASTM Non ASTM]	SV	/846-7000E	3	Flame Aton	nic Absorption	on	10 μg/wipe	X	
*if no box is	non ASTM checked, non-ASTM] [16-6010B o			P-AES		1.0 µg/wipe		
	Wipe is assumed		SW846-7000B/7010		010	Graphite Furnace AA			075 μg/wipe		
TCLP			SW846-1311/7000B/SM 31			Flame Atomic Absorption			4 mg/L (ppm)		
			SW846-1131/SW846-6010B or C		ICP-AES		and the state of t	1 mg/L (ppm)			
Soil			SW846-7000B		~ 	Flame Atomic Absorption Graphite Furnace AA			mg/kg (ppm)	_#-	
		i	SW846-7010 SW846-6010B or C			ICP-AES			mg/kg (ppm) mg/kg (ppm)	- 	
the state of the s	and the Street day to the Street of the Street day of the Street d		SM3111B/SW846-7000B		and the second section	Flame Aton			1 mg/L (ppm)		
Wastewater	Unpreserved [th HNO ₃ pH < 2 []	EPA 200.9		70000		Furnace AA		03 mg/L (ppm)		
Preserved wi	th HNO₃ pH < 2 ☐		EPA 200.7			ICP-AES			20 mg/L (ppm)		
Drinking Wat	ter Unpreserved		EPA 200.9			Graphite	Furnace AA		03 mg/L (ppm)		
Preserved wi	th HNO₃pH ≰2 □		Æ	PA 200.8		ICP-MS			01 mg/L (ppm)		
TSP/SPM File	ter			CFR Part 5		ICP-AES			12 µg/filter		
	.01		40 CFR Part 50		0	Graphite Furnace AA			3 6 µg/filter		
Other:		,,,,,,	***************************************								
Name of San					Signa	ture of Sar	منجوب والمتحدد				
Sample #	Lo	ocatio	on			Volume			Date/Time S	Sampled	
S245	In between Dust Collectors				· · · · · · · · · · · · · · · · · · ·	960	DL /		3/15/15 8:15a	m 4:15pm	
S246	10th FI below Critical Barrier			960L 3/15/15 8:21am 4				m 4 [.] 21pm			
\$247	9th Fl below Critical Barrier			960L 3/15/15 8:22an				m 4:22pm			
S248	Re-Cleaning Soft Core			990L			3/15/15 8.35am 4:50pm				
S249 (b)(4) Re-Cleaning Soft Core			990	DL		3/15/15 8:35a	m 4:50pm				
Client Sample #'s \$245 THEV 5253 \$506W 124 - 506W127 Total # of Samples: 13											
Relinquished (Client):			Date:		3/15/15 Time:		ne:	4.00			
Received (Lab): (b)(4)		4)	Date:	3/1	/ _		ne:	8:590+	n		
Comments:			<u> </u>		.,,.						



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE: (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

S250 S251	14th Fl Above the Decon	960L	3/15/15 8:30am 4:30pm		
9251			or for to diodain modern		
3231	13th FI Outside the Decon	960L	3/15/15 8:35am 4:35pm		
S252	12th Fl Below the Decon	960L	3/15/15 8:40am 4:40pm		
S253	Blank	QA/QC	3/15/15		
SCGW124	Inside 13th Fl Clean Room	12X12	3/15/15		
SCGW125	Outside 13th Fl Clean Room	12X12	3/15/15		
SCGW126	Inside 11th Fl Clean Room	12X12	3/15/15		
SCGW127	Outside 11th Fl Clean Room	12X12	3/15/15		
	ial Instructions:				

	National Aeronautics and	·- <u>-</u>					DATE	V	March 23, 2015
NVASA	Space Administration	CONTRACTOR TRANSMITTAL SHEET							
	John C. Stennis Space Center	IIAC I OI		J.V 17		•		SHEET	
	Stennis Space Center, MS 39529-6000						1	OF	1
	SECTION I - REQUEST FO	OR APPRO	OVAL (To	be Initiate	ed by the	Contractor)		
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA	, MATERIAL	SAMPLES, C	R	CON	TRACT NO.	Х	NEW SUBM	IITTAL
	MANUFACTURER'S CERTIFICATES OF CO	MPLIANCE			NINIS	14AA30T		•	
	(See Instructions on Reverse)			1				RESUBMITT	
ТО	FROM			PREVIOUS TI	RANSMITT	AL NO. (If Any)	TRANSMITTAL NO.		
(b)(4	HARRY PEPPER & ASS	SOCIATES, I	INC.		0			310	
SPECIFICAT	ON AND SECTION NO. (Cover Only One Section With Each	Transmittal	PROJECT TI	TLE AND LOC	CATION				
200H0-GA	02 82 33 .13.20 Air & Wipe Samples 3-19	9-15			SL430WF	BOO-03 SOFT CO	RE PAINTIN	IG	
	DESCRIPTION OF ITEM SUBMITTED					CONTRACT REF	ERENCE	VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURER OF ITEM			NO OF	DOCUM	ENT	(See	CODE
NO.	(See Instruction No. 3)	(See	Instruction	No. 8)	COPIES	SPECIFICATION			(See Instruction
(a)	(b)		(c)		(d)	PARAGRAPH NO. (e)	SHEET NO. (f)	No. 6) (g)	No. 9 (h)
(a)		ОНС				3.4.1.1.c		(8)	(11)
1	Air Samples Collected 3-19-15				3		-		
2	Wipe Samples Collected 3-19-15	ОНС			3	3.4.1.1.c	-	-	-
-	-	-		-	-	-	-	-	-
-	_			-	-	-	-	-	-
-	-			-	-	-	-		-
_	-			-	-	-	-		_
-	-			-		-	-	-	-
-	-		0.0	-	-		_	-	_
REMARKS:	3 Hard Copies included.				,	t the above submitt re correct and in st			
					drawings &	specifications exce	ent as stated		
	•					NAME AND SI	GNATURE O	F CONTRACTO	OR .
	SE	CTION II -	APPROV	AL ACTION	v V				
ENCLOSURE	S RETURNED (List by Item No.)	NAME, TIT	LE, AND SIG	NATURE OF A	APPROVING	AUTHORITY	DATE		



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: (813) 626-8156

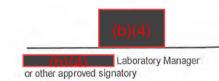
(813) 623-6702 Fax:

03/23/15 8:43 AM Received: Collected: 3/19/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed	Area Sampled	RDL	Lead Concentration
SCGW136 341502735-0001	3/19/2015 3/23/2015 Site: Inside 13th FI Clea	144 in² In Room	10 μg/ft²	320 μg/ft²
SCGW137 341502735-0002	3/19/2015 3/23/2015 Site: Outside 13th FI Cl	144 in² ean Room	10 μg/ft²	120 µg/ft²
SCGW138 341502735-0003	3/19/2015 3/23/2015 Site: Inside 11th FI Clea	144 in² an Room	10 μg/ft²	100 μg/ft²
SCGW139 341502735-0004	3/19/2015 3/23/2015 Site: Outside 11th FI Cl	144 in² ean Room	10 µg/ft²	620 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft/2 x area sampled in ft/2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX' (407) 599-9063

														,,, 00		
	IC Environmental			nc.						S L-Bil is Diffe		Diff nstruction	erent 🗸 :	Same *		
Street: 5420 B	ay Center Drive S	3uite 10	0					Third .	Party Billi	ng requ	uires writt	en auth	orization from l	third p	arty	
City:Tampa		State/P	rovince):	FL	Zip/Postal Code: 33609 Country: United States										
Report To (Na	ne): (b)(4)					Telephone #: 813-626-8156							_			
Email Address		(b)(4	.)			Fax #: 813-623-6702 Purchase Order:										
Project Name/	Number: Stennis	B1 B2 7	est St	and		Ple	ase	Prov	ide Res	uits:	F.	XA	✓ E-mail		Mail	
U.S. State Sam	ples Taken: MS					CT	San	nples	s: 🔲 Cor	nmer	cial/Tax	able [☐ Residentia	il/Tax	Exemp	<u> </u>
		Tu	ırnaroı	and T	ime (TA	T) C	ptic	ons*	- Pleas	e Che	ck					
🗌 3 Hour	🔳 6 Hour	■ 24			48 Hour			72 H		_	6 Hour	_] 1 Week		2 Week	,
		complete	d ın acco		e with EMS	L's T	erms	and (A.	
Matrix Method					√lethod				Inst	rume	nt	Re	porting Lir	nit	Chec	K
	/ wt. ☐ mg/cm² ☐] ppm		SW	/846-7000	3	and the state of t	ŀ	Fiame Ato	mic Ab	sorption		0.01%	·		
Air 24 hr.					OSH 7082			F	Flame Ato				4 µg/filter		×	
			<u> </u>		OSH 7105			1	Graphite				0.03 µg/filter	<u>r</u>	_#	
					7300 moc					ES/ICP		-	0.5 µg/filter		×	
Wipe*	Wipe* ASTM ☑				/846-7000E			_ _	Flame Ato				10 µg/wipe			
*if no box is	checked, non-ASTM Wipe is assumed	ш			6-6010B c			_		P-AES			1.0 μg/wipe .075 μg/wip			\dashv
			ļ	SW846-7000B/7010 SW846-1311/7000B/SM 3111B				Graphite Furnace AA Flame Atomic Absorption				0.4 mg/L (ppm)			ᅥ	
SW846-1131/SW846-6			~~~~		_		P-AES	 	_	1 mg/L (ppn			\dashv			
Soil			-	SW	/846-7000I	3		F	Flame Ato	mic Ab	sorption	40) mg/kg (ppr	n)		
•					V846-7010				Graphite			0.3	3 mg/kg (pp	m)		_]
					16-6010B c			-	,	P-AES			mg/kg (ppn			_
Wastewater	Unpreserved		SM3111B/SW846-700			7000	В	_ F	Flame Ato				4 mg/L (ppr		_#	
Preserved wi	th HNO₃pH < 2		EPA 200.9 EPA 200.7				Graphite Furnace AA ICP-AES				03 mg/L (pp 20 mg/L (pp					
Drinking Wat	er Unpreserved		EPA 200.9			*****		Graphite Furnace AA				20 mg/L (pp	أحسن نفون ا	H	-	
	th HNO ₃ pH < 2		EPA 200.8				ICP-MS			0,001 mg/L (ppm)						
TSP/SPM File	**************************************			40 (CFR Part 5	0		ICP-AES				12 µg/filter				
	.GI			40 (CFR Part 5	i0	+00/+: :	Graphite Furnace AA			_	3.6 µg/filter			meetk	
Other:																_
Name of Sam	pler: (b)(4)		.,				Sigi	natu	re of Sa			,	(b)(4)			
Sample #		Location				<u> </u>			Volum		a /		Date/Ti			
S280	In betwee	en Dus	t Coll	ecto	rs				10	16L			3/19/15 8	3:12a	m 5:40p	m
S281	10th FI be	low C	ritical	Barri	ier				104	40L			3/19/15 8	3:20a	m 5:00p	mc
S282	9th FI be	low Cr	itical E	3arri	er			·	104	40L			3/19/15 8	3:21a	m. 5:01 _l	om
S283	(b)(4) Cle	aning o	on the	11th	Fl. SC				84	OL			3/19/15 1	0:15a	ım 5:15	pm
S284	(b)(4)	Cleanin	g on th	e 11t	h Fl. SC				84	IOL			3/19/15 1	0:15	ım 5:15	pm
Client Sampl	e#'s 5290	- - 2:	99	500	GW 136	^	506	w I	39	Tota	al # of \$	Sampl	les: 🕸 /	φ		
Relinquished	Relinquished (Client):			Date:	;	3/19	9/15	5		Time	:	4.00				
Received (Lab					Date:	8	31.	27	31		Time:		8143en			
Comments:					1		7	7								





LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887

FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S285	14th Fl Above the Decon	830L	3/19/15 10 20am 5:15pm
S286	13th Fl Outside the Decon	830L	3/19/15 10 25am 5:20pm
S287	12th Fl Below the Decon	830L	3/19/15 10 ⁻ 30am 5:25pm
S288	(b)(4) Torch & Grinding Holes, Flame Bucket	440L	3/19/15 1:50pm 5:30pm
S289	Blank	QA/QC	3/19/15
SCGW136	Inside 13th Fl Clean Room	12X12	3/19/15
SCGW137	Outside 13th Fl Clean Room	12X12	3/19/15
SCGW138	Inside 11th Fl Clean Room	12X12	3/19/15
SCGW139	Outside 11th Fl Clean Room	12X12	3/19/15



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702 03/23/15 8:43 AM

Collected:

3/19/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Anal	yzed Volume	RDL	Lead Concentration	
S280 341502735-0005	3/19/2015 3/23/2 Site: In Between I		3.9 µg/m³	<3.9 µg/m³	
S281 341502735-0006	3/19/2015 3/23/2 Site: 10th FI Below		3.8 µg/m³	<3.8 µg/m³	
S282 341502735-0007	3/19/2015 3/23/2 Site: 9th FI Below		3.8 μg/m³	<3.8 µg/m³	
S283 341502735-0008	3/19/2015 3/23/2 Site: (b)(4)	2015 840 L Cleaning on the 11th Fl. SC	4.8 μg/m³	12 μg/m³	
S284 341502735-0009	3/19/2015 3/23/2 Site: (b)(4)	2015 840 L Cleaning on the 11th FL SC	4.8 μg/m³	14 μg/m³	
S285 341502735-0010	3/19/2015 3/23/3 Site: 14th FI Abov		4.8 μg/m³	<4.8 μg/m³	
S286 341502735-0011	3/19/2015 3/23/2 Site: 13th FI Outs		4.8 μg/m³	<4.8 μg/m³	
S287 341502735-0012	3/19/2015 3/23/3 Site: 12th FI Belo		4.8 μg/m³	<4.8 μg/m³	
S288 341502735-0013	3/19/2015 3/23/ Site: (b)/4	2015 440 L Torch & Grinding Holes, Flame Buc	9.1 μg/m³	<9.1 μg/m³	
S289 341502735-0014	3/19/2015 3/23/ Site: Blank	2015 0 L	4.0 μg/filter	<4.0 µg/filter	

Cassette samples for project Stennis B1 B2 Test Stand; sample S288 was sampled in both directions collected on front filter and back pad, sample analyzed



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter, ug/filter, ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/23/2015 12:55:37



EMSL Order ID (Lab Use Only)

(b)(4)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX' (407) 599-9063

					174							-	
Company : OH	C Environmental	Engine	ering, Ind	с.			EN If Bill	ISL-Bill to is Differe	to:	Differ ructions in	ent / Comments*	Same *	
Street: 5420 Ba	ay Center Drive S	Suite 10	0			Thin	d Party Bi	lling requir	es written	authoriz	ation from	third pa	irty
City:Tampa		State/P	rovince:	FL		ostal	Code:	33609		C	ountry: U	nited	States
Report To (Nar	ne): (b)(4)				Telephone #: 813-626-8156								
Email Address	:	(b)(4	.)		Fax #: 813-623-6702 Purchase Order:								
Project Name/i	lumber: Stennis	B1 B2 T	est Stan	nd	Pleas	e Pro	vide Re	suits:	FAX	₹	E-mail		Mail
	ples Taken: MS				CT Sa	mple	es: 🔲 Co	ommerci	al/Taxab	le 🗌 F	Residentia	al/Tax	Exempt
		Tu	rnaroun	d Time (TA									
☐ 3 Hour	■ 6 Hour	图 24		🔲 48 Hour			Hour	□ 96			Week		2 Week
***************************************		complete	d in accord	ance with EMS	L's Tem	ns and				ce Guide		i4	Check
	Matrix			Method	44 WE 1997			strumen			orting Li	mu	CHECK
Chips □% by	wt. 🗌 mg/cm² 📗] ppm		SW846-7000E	3		Flame A	tomic Abs	orption		0.01%		
Air ₂₄ hr.				NIOSH 7082		l	Flame A	tomic Abs	orption		µg/filter		X
24 111.				NIOSH 7105				ite Furnac			3 µg/filte		
			NK	OSH 7300 mod				AES/ICP-I		Committee of the Commit	5 µg/filter		
Wipe*	/ipe* ASTM ⊠			SW846-7000	3			tomic Abs	orption) µg/wipe		×
*if no hax is	non ASTM checked, non-ASTM		S	W846-6010B	or C			ICP-AES) µg/wipe		
Wipe is assumed				W846-7000B/7			Graphite Furnace AA			0.075 µg/wipe			
TCLP								0.4 mg/L (ppm) 0.1 mg/L (ppm)			- - 		
	SW846-1131/SW84					.C		ICP-AES	a suffare				
Soil				SW846-7000				Atomic Abs nite Furnac			ng/kg (pp ng/kg (pp		
			s	W846-6010B		\dashv		ICP-AES	<u> </u>		g/kg (ppr		
		F1	SM3111B/SW846-7000B				Flame A	Atomic Abs	orption		mg/L (pp		
Wastewater	Unpreserved th HNO ₃ pH < 2		EPA 200.9					nte Furnac	e AA		mg/L (p		
			EPA 200.7				ICP-AES				mg/L (p		
	er Unpreserved	H	EPA 200.9				Graphite Furnace AA ICP-MS			0.003 mg/L (ppm) 0.001 mg/L (ppm)			- - -
Preserved Wi	th HNO₃ pH < 2			EPA 200.8 40 CFR Part 5			ICP-AES			12 µg/filter			
TSP/SPM File	ter		40 CFR Part 50 40 CFR Part 50			-	Graphite Furnace AA				6 µg/filte		
Other:													
Name of San	nler (h)(4)				Si	gnai	ture of	Sampler					
Sample #		Locati	on					me/Area	THE PERSON NAMED IN]	Date/T	ime S	Sampled
S280	In betwe	en Dus	st Colle	ctors			1	016L	7	.*	3/19/15	8:12a	m 5:40pm
S281	10th Fl be	elow C	ritical B	arrier			1	040L			3/19/15	8:20a	m 5:00pm
S282	9th FI be				l		1	040L			3/19/15	8:21a	m 5:01pm
S283				1th Fl. SC			{	840L			3/19/15	10:15	am 5:15pm
S284	/ Cleaning on the 11th Fl. SC				-		8	840L		-	3/19/15	10:15	am 5:15pm
Client Samp		- - - 2		SCGW 136	1	Cew	139	Tota	l # of S	amples	s: #8 /	14	
	Relinquished (Client):			Date:	2/40/45			4.00					
Received (Lab): (b)(Date:	~ C		11	•	Time:	C 1 147		Ben	<u> </u>
Comments:	·/·			1	/	1	1						



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX. (407) 599-9063



Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S285	14th Fl Above the Decon	830L	3/19/15 10 ⁻ 20am 5:15pm
S286	13th Fl Outside the Decon	830L	3/19/15 10 25am 5:20pm
S287	12th Fl Below the Decon	830L	3/19/15 10·30am 5:25pm
S288	(b)(4) Torch & Grinding Holes, Flame Bucket	440L	3/19/15 1:50pm 5:30pm
S289	Blank	QA/QC	3/19/15
SCGW136	Inside 13th Fl Clean Room	12X12	3/19/15
SCGW137	Outside 13th Fl Clean Room	12X12	3/19/15
SCGW138	Inside 11th Fl Clean Room	12X12	3/19/15
SCGW139	Outside 11th Fl Clean Room	12X12	3/19/15
			·
	·		
	,		
Comments/S	pecial Instructions:		

	National Aeronautics and					DATE	N	/larch 25, 2015
NASA	Space Administration CONTF	RACTOR TRAN	SMITTA	L SHEE	T			
	John C. Stennis Space Center				. •	_	SHEET	
	Stennis Space Center, MS 39529-6000				_	1	OF	1
	SECTION I - REQUEST FO	OR APPROVAL (To	be Initiate				•	
•	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,	•)R	CON	TRACT NO.	Х	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COM	MPLIANCE		NNS	14AA30T		1	
	(See Instructions on Reverse)			L		0	RESUBMITT	
то	FROM	PREVIOUS TRANSMITTAL NO. (If Any)				TI	RANSMITTA	L NO.
(b)(HARRY PEPPER & ASS			0		**************************************	312	
SPECIFICATI 200HO-GAI	ION AND SECTION NO. <i>(Cover Only One Section With Each T</i> 04 02 82 33 .13.20 Air & Wipe Samples 3-20		ITLE AND LOC		B00-03 SOFT CO	RE PAINTIN	IG	
	DESCRIPTION OF ITEM SUBMITTED				CONTRACT REF	ERENCE	VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	del Number, etc.) MANUFACTURER			DOCUM	IENT (See		CODE
NO.	(See Instruction No. 3)	(See Instruction	COPIES	SPECIFICATION	DRAWING	Instruction	(See Instruction	
(a)	(b)	(c)		(d)	PARAGRAPH NO.	SHEET NO.	No. 6)	No. 9
1	Area Samples Collected 3-20-15	ОНС		3	(e) 3.4.1.1.c	(f) -	(g) -	(h)
							-	
2	Wipe Samples Collected 3-20-15	ОНС		3	3.4.1.1.c	-	=	-
3	Air Samples Collected East Pier & 8th Fl 3-21-15	ОНС	····	3	3.4.1.1.c	-	-	-
4	Air Samples Collected Under Flame Bucket 3-21-15	ОНС		3	3.4.1.1.c	-	-	-
-	-		-	-	-	-	-	-
-	-			-	-	-	-	-
-	-				_	-	-	-
	_		-		_	_	_	-
REMARKS:	3 Hard Copies included.				the above submitt re correct and in sti			
				l .	specifications, exce		100 111111 1110 00	•
					NAME AND SI	GNATURE O	F CONTRACTO	OR .
	SEC	CTION II - APPROV	AL ACTION	1			*	
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, TITLE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		
		1						



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

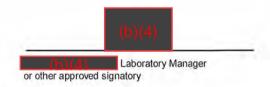
03/24/15 9:00 AM

Collected:

3/20/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration		
S290 341502788-0001	3/20/2015 3/24/2015 Site: In Between Dust		4.3 μg/m³	<4.3 µg/m³		
S291 341502788-0002	3/20/2015 3/24/2015 Site: 10th FI Below Cr		4.2 μg/m³	<4.2 μg/m³		
S292 341502788-0003	3/20/2015 3/24/2015 Site: 9th FI Below Crit		4.2 μg/m³	<4.2 µg/m³		
S293 341502788-0004	3/20/2015 3/24/2015 Site: (b)(4)	790 L Cleaning on the 11th FI. SC	5.1 μg/m³	<5.1 μg/m³		
S294 341502788-0005	3/20/2015 3/24/2015 Site: (h)(4) Clea	790 L aning on the 11th FI. SC	5.1 μg/m³	<5.1 μg/m³		
S295 341502788-0006	3/20/2015 3/24/2015 Site: 14th FI Above th		4.4 μg/m³	<4.4 µg/m³		
S296 341502788-0007	3/20/2015 3/24/2015 Site: 13th FI Outside to		4.4 μg/m³	<4.4 μg/m³		
S297 341502788-0008	3/20/2015 3/24/2015 Site: 12th FI Below the		4.4 μg/m³	<4.4 μg/m³		
S298 341502788-0009	3/20/2015 3/24/2015 Site: (h)(4)	920 L Grinding, Drilling, Welding, Tor	4.3 μg/m³	<4.3 µg/m³		
S299 341502788-0010	3/20/2015 3/24/2015 Site: Blank	0 L	4.0 μg/filter	<4.0 µg/filter		



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL = 50 µg/m³, OSHA action level = 30 µg/m³, Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/24/2015 14:51:44



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE. **(407)** 599-5887 FAX. **(407)** 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled	
\$295	14th Fl Above the Decon	910L	3/20/15 9:20am 4:55pm	
S296	13th FI Outside the Decon	910L	3/20/15 9:25am 5 ⁻ 00pm	
S297	12th FI Below the Decon	910L	3/20/15 9:30am 5 [.] 05pm	
S298	Grinding, Drilling, Welding, Torching	920L	3/20/15 9:00am 4:40pm	
S299	Blank	QA/QC	3/20/15	
SCGW140	Inside 13th Fl Clean Room	12X12	3/20/15	
SCGW141	Outside 13th Fl Clean Room	12X12	3/20/15	
SCGW142	Inside 11th Fl Clean Room	12X12	3/20/15	
SCGW143	Outside 11th Fl Clean Room	12X12	3/20/15	
			,	
Comments/Sp	pecial Instructions:			



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

							-				
Company: OH	C Environmental Engine	ering, Inc.		EMSL-Bill to is Differen		Eferent Same ions in Comments**					
Street: 5420 Ba	ay Center Drive Suite 10	0	Thi	ird Party Billing requir	es written au	thorization from third pa					
City: Tampa	State/P	rovince: FL		l Code: 33609		Country: United	States				
Report To (Nan	ne): (b)(4)		Telephon	e #: 813-626-815	6	,					
Email Address	(b)(4		Fax #: 813-623-6702								
Project Name/	Number: Stennis B1 B2 T	est Stand	Please Provide Results: FAX FAX E-mail Mail								
	ples Taken: MS		CT Samples: Commercial/Taxable Residential/Tax Exempt								
	Tu	rnaround Time (TA	T) Option	s* - Please Chec	k						
3 Hour	🔳 6 Hour 📗 24										
		d in accordance with EMS	L's Terms ar		in the Price	Guide	Check				
	Matrix	Method		Instrumen		Reporting Limit	Check				
Chips □ % by	wt. mg/cm² ppm	SW846-7000B		Flame Atomic Abs	orption	0.01%					
Air 24 hr.		NIOSH 7082		Flame Atomic Abs	orption	4 μg/filter	3				
Z7 III.		NIOSH 7105		Graphite Furnac		0.03 µg/filter					
		NIOSH 7300 mod	ified	ICP-AES/ICP-I		0.5 μg/filter					
Wipe* 6 hr.	ASTM	3	Flame Atomic Abs	orption	10 μg/wipe	*					
*if no box is	non ASTM Checked, non-ASTM	SW846-6010B o	r C	ICP-AES		1.0 μg/wipe					
11 110 00 10	Wipe is assumed	SW846-7000B/70	010	Graphite Furnac		0.075 μg/wipe					
TCLP		M 3111B	Flame Atomic Abs		0.4 mg/L (ppm)						
		010B or C	ICP-AES		0.1 mg/L (ppm)						
Soil SW846-700			 	Flame Atomic Abs		40 mg/kg (ppm) 0.3 mg/kg (ppm)					
		SW846-7010 SW846-6010B o		Graphite Furnac	e AA	2 mg/kg (ppm)					
		SM3111B/SW846-7		Flame Atomic Abs	orntion	0.4 mg/L (ppm)					
Wastewater	Unpreserved 🔲	EPA 200 9	, 000B	Graphite Furnac		0.003 mg/L (ppm)					
Preserved wi	th HNO₃ pH < 2 □	EPA 200 7		ICP-AES		0.020 mg/L (ppm)					
Drinking Wat	ter Unpreserved	EPA 200.9				0.003 mg/L (ppm)					
	th HNO₃ pH < 2 ☐	EPA 200.8		IÇP-MS		0 001 mg/L (ppm)					
TSP/SPM File	ler	40 CFR Part 5		ICP-AES		12 µg/filter	┈╞ ╣┈┤				
		40 CFR Part 5	0	Graphite Furnac	e AA	3.6 µg/filter					
Other:			T			(b) (A)					
Name of San			Signa	ture of Sampler Volume/Area		Date/Time S	Sampled				
Sample #	Locati				1 /						
S290	In between Dus			930L		3/20/15 8:45a					
S291	10th Fl below C	ritical Barrier		950L	<u> </u>	3/20/15 9:20a					
S292	9th FI below Cr	ritical Barrier		950L		3/20/15 9:21a					
S293	(b)(4) Cleanir	ng on the 11th Fl. SC		790L		3/20/15 10:15					
S294	(b)(4) Cleaning	on the 11th Fl. SC		790L		3/20/15 10:15	am 4:50pm				
Client Samp	le#'s 5290 -529	9 SC6W14U	- SCGN	0143 Tota	I # of Sam						
Relinquished	d (Client):	Date:	e: 3/20/15 Time: 4:30 pm								
Received (Lat	(b)(4)	Date:	3/2	4/15	Time:	19am					
Comments:			1	•		,					



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

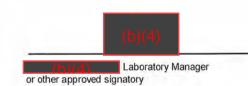
03/24/15 9:00 AM

Collected:

3/20/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW140 341502788-0011	3/20/2015 3 Site: Inside 1	3/24/2015 13th Fl Clear	144 in² n Room	10 μg/ft²	240 μg/ft²
SCGW141 341502788-0012	3/20/2015 3 Site: Outside	3/24/2015 e 13th FI Cle	144 in² an Room	10 µg/ft²	260 μg/ft²
SCGW142 341502788-0013	3/20/2015 3 Site: Inside 1	3/24/2015 11th Fl Clear	144 in² n Room	10 μg/ft²	190 μg/ft²
SCGW143 341502788-0014	3/20/2015 3 Site: Outside	3/24/2015 e 11th FI Cle	144 in² an Room	10 µg/ft²	470 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "c" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/24/2015 14:09:20



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc 5125 Adanson Street, Suite 90

ENISE Order ID (Lab Use Only):

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

								- :			
Company: OH	C Environmental	Engine	ering, Inc.		EMSL-Bill (If Bill to is Differe		fferent / Same tions in Comments**				
Street: 5420 Ba	ay Center Drive S	3uite 100				res written au	uthorization from third pa				
City: Tampa		State/Pr	rovince: FL		1 Code: 33609	•	Country: United	States			
Report To (Nan	ne): (b)(4)				e #: 813-626-81	56	<u> </u>				
Email Address		(b)(4)		Fax #: 813-623-6702							
Project Name/N	Number: Stennis	B1 B2 T	est Stand	Please Provide Results: FAX ✓ E-mail Mail							
U.S. State Sam	ples Taken: MS						Residential/Tax	Exempt			
		Tu	rnaround Time (TA								
🗌 3 Hour	■ 6 Hour	2 4				Hour		2 Week			
		completed	d in accordance with EMS	L's Terms ai		in the Price	Guide Reporting Limit	Check			
	Matrix		Method		Instrumer		<u> </u>	CHECK			
	wt. mg/cm²] ppm	SW846-7000E	3	Flame Atomic Abs	orption	0.01%				
Air 24 hr.			NIOSH 7082		Flame Atomic Abs		4 µg/filter				
			NIOSH 7105		Graphite Furnac		0.03 µg/filter	┝╌╠╅┈╏			
			NIOSH 7300 mod				0.5 µg/filter				
Wipe* 6 hr.	ASTM		SW846-7000E		Flame Atomic Abs	sorption	10 µg/wipe				
*if no box is	non ASTM checked, non-ASTM		SW846-6010B o		ICP-AES	- 1	1.0 μg/wipe 0.075 μg/wipe	井			
	Wipe is assumed		SW846-7000B/7		Graphite Furnac						
TCLP	LP SW846-1311/7000B/S SW846-1131/SW846-6				Flame Atomic Abs	sorption	0.4 mg/L (ppm) 0.1 mg/L (ppm)				
					Flame Atomic Abs	eorntion	40 mg/kg (ppm)				
] 0011			SW846-7000		Graphite Furnac		0.3 mg/kg (ppm)				
			SW846-6010B o		ICP-AES		2 mg/kg (ppm)				
			SM3111B/SW846-	7000B	Flame Atomic Abs	sorption	0.4 mg/L (ppm)				
Wastewater	Unpreserved		EPA 200 9		Graphite Furnac		0.003 mg/L (ppm)				
Preserved Wi	th HNO ₃ pH < 2		EPA 200 7		ICP-AES		0.020 mg/L (ppm)				
	ter Unpreserved		EPA 200.9	Graphite Furnac	ce AA	0.003 mg/L (ppm)					
Preserved wi	th HNO₃ pH < 2		EPA 200.8		ICP-MS		0 001 mg/L (ppm)				
TSP/SPM File	ter		40 CFR Part 5		ICP-AES Graphite Furnac	20.00	12 µg/filter 3.6 µg/filter	┝┈╞╣┈┤			
	,		40 CFR Part 5		Graphite Funat	<u> </u>	5.0 pg/mtci				
Other:				Signs	ature of Sampler	р.	(b)(4)				
Name of Sam Sample #	ipier. (D)(4)	Locati		l Gigin	Volume/Are		Date/Time S	Sampled			
S290	In hetwe		st Collectors		930L		3/20/15 8:45a	m 4:30pm			
S291			ritical Barrier		950L		3/20/15 9:20a	m 5:15pm			
<u> </u>			itical Barrier		950L		3/20/15 9:21a				
S292							3/20/15 10:15				
S293			ig on the 11th Fl. SC		790L						
S294			on the 11th Fl. SC		790L	1 # - 6 0	3/20/15 10:15	am 4:50pm			
Client Samp	le #'s 5290	-529	7 <u>SCGW140</u>			al # of Sar					
Relinquished	d (Client):		Date:	3/20/		Time:	4:30 pm				
Received (Lat	o):		Date:	3/2	4/15	Time:	19am				
Comments:				- 1	'1		/				



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE. (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S295	14th Fl Above the Decon	910L	3/20/15 9:20am 4:55pm
S296	13th Fl Outside the Decon	910L	3/20/15 9:25am 5 ⁰ 0pm
S297	12th Fl Below the Decon	910L	3/20/15 9:30am 5 [.] 05pm
S298	Grinding, Drilling, Welding, Torching	920L	3/20/15 9:00am 4:40pm
S299	Blank	QA/QC	3/20/15
SCGW140	Inside 13th Fl Clean Room	12X12	3/20/15
SCGW141	Outside 13th Fl Clean Room	12X12	3/20/15
SCGW142	Inside 11th Fl Clean Room	12X12	3/20/15
SCGW143	Outside 11th Fl Clean Room	12X12	3/20/15
Comments/Sp	pecial Instructions:		



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Mark Fohn

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

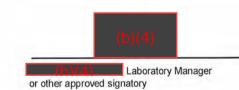
03/24/15 9:00 AM

Collected:

3/21/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S300 341 <i>5</i> 02790-0001	3/21/2015 Site:	3/24/2015 (b)(4)	1020 L East Pier-Pad Grinding	3.9 µg/m³	<3.9 µg/m³
S301 341502790-0002	3/21/2015 Site:	3/24/2015 3)(4) 8t	1020 L h FI-South Side	3.9 µg/m³	<3.9 μg/m³
S302 341502790-0003	3/21/2015 Site: Blank	3/24/2015	0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/24/2015 14:58:01



EMSL Order ID (Lab Use Only).

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

				TAROL DULA		i ffamon	Same	
Company : OHC Environment	tal Engine	ering, Inc.		EMSL-Bill t If Bill to is Differen	nt note instru		mments**	
Street: 5420 Bay Center Drive	Suite 10			ird Party Billing requir	es written	<u>authorizatio</u>	n from third pe	arty
City: Tampa	State/P	rovince: FL		I Code: 33609		Cour	try: United	States
Report To (Name): (b)(4)			Telephon	e#: 813-626-815	56			
Email Address:)	Fax #: 8	13-623-6702			hase Order:	
Project Name/Number: Stenni	s B1 B2 1	est Stand		ovide Results:	FAX		<u> </u>	Mail
U.S. State Samples Taken: MS			CT Samp	les: 🗌 Commerci	al/Taxabi	le 🗌 Res	idential/Tax	Exempt
	Tu	rnaround Time (TA	T) Option	s* - Please Chec	k			
☐ 3 Hour ☐ 6 Hour	2 4	Hour 🔲 48 Hour			Hour	1 W	eek 🔲	2 Week
*Analys	sis complete	d in accordance with EMS	L's Terms ai	nd Conditions located	in the Pric	ce Guide	and James 1	Check
Matrix		Method		Instrumen	t		ing Limit	Check
Chips ☐ % by wt. ☐ mg/cm²	☐ ppm	SW846-7000E	3	Flame Atomic Abs	orption	0.0	01%	
Air 24 hr.		NIOSH 7082		Flame Atomic Abs	orption		g/filter	×
∠4 nr.		NIQSH 7105		Graphite Furnac	e AA		ug/filter	
		NIOSH 7300 modified		ICP-AES/ICP-I	MS		ıg/filter	
Wipe* ASTN	л П	SW846-7000E	3	Flame Atomic Abs	orption	10 µ	g/wipe	
non ASTN	non ASTM SW846-6010B		rC	ICP-AES			g/wipe	
*if no box is checked, non-ASTI Wipe is assume		SW846-7000B/7	010	Graphite Fumac	e AA	0.075 μg/wipe		
TCLP		SW846-1311/7000B/S		Flame Atomic Abs	orption		/L (ppm)	
		SW846-1131/SW846-6	010B or C	ICP-AES			/L (ppm)	
Soil		SW846-70008		Flame Atomic Abs			kg (ppm) /kg (ppm)	┈╞╡╺ ┦
		SW846-7010		Graphite Furnac	ie AA		kg (ppm)	
		SW846-6010B 0		Flame Atomic Abs	orntion		/L (ppm)	
Wastewater Unpreserved		SM3111B/SW846-7000B EPA 200.9		Graphite Furnace AA 0.0			g/L (ppm)	
Preserved with HNO₃ pH < :	2 🗆	EPA 200.7		ICP-AES			g/L (ppm)	
Drinking Water Unpreserve	d 🔲	EPA 200 9		Graphite Furnace AA		0.003 mg/L (ppm)		
Preserved with HNO ₃ pH <		EPA 200.8		ICP-MS			ng/L (ppm)	
TSP/SPM Filter		40 CFR Part 5		ICP-AES			ig/filter	├─ ┼┤
		40 CFR Part 5	50	Graphite Furnac	ce AA	3.6	ug/filter	
Other:				<u> </u>		/1. \ /	4)	
Name of Sampler: (b) (4)	<u>) </u>		Signa	ature of Samplei		<u> </u>	4) Date/Time \$	Sampled
Sample #	Locat			Volume/Are	a /			
S300 (b)(4)	Eas	t Pier-Pad Grinding	<u></u>	1020L			/21/15 7:45a	
S301 (b)(4	81	h Fl-South side		1020L		3,	/21/15 7:4 5 a	am 4:15pm
S302	Blar	nk	3	QA/QC			3/21/	15
	-							
			<u> </u>	1 101	14.50	1	3	
Client Sample #'s S300 - S301						amples:	_ 	
1101111041104 (01101117)		Date:	3/20	3/20/15 Time			:30 pm	
Received (Lab):		Date:	<u> </u>	415	Time:		gam	
Comments:			-1	4				
i .								



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

03/24/15 9:00 AM

Collected:

3/21/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S303 341502789-0001	3/21/2015 3/24/2015 Site: Under Flame Buc	602 L ket East Side 15' In	6.6 μg/m³	<6.6 μg/m³
S304 341502789-0002	3/21/2015 3/24/2015 Site: Under Flame Buc	602 L ket East Side 25' In	6.6 µg/m³	<6.6 μg/m³
S305 341502789-0003	3/21/2015 3/24/2015 Site: Blank	0 L	4.0 μg/filter	<4.0 µg/filter

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter. ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those ltems tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/24/2015 14:53:29



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

EMBL ANALYTICAL, INC.

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

						EN	SL-Bill to:	Differ	ent / Same	7
Company: OH	C Environmental E	Engine	ering, Inc.			If Bill t	o is Different not	e instructions in	Comments**	
	ay Center Drive S	-							ation from third p	
City: Tampa		State/P	rovince:	FL	Zip/Postal Code: 33609 Country: United States					
Report To (Nar	ne): (b)(4)				Telephone #: 813-626-8156					
Email Address	:	(b)(4))		Fax #: 8	13-623-6			urchase Order:	
Project Name/	Number: Stennis E	31 B2 T	est Stand		Please Pr	ovide Res	sults:	FAX ✓	E-mail	Mail
	ples Taken: MS				CT Samp	les: 🔲 Co	mmercial/Ta	xable 🔲 l	Residential/Tax	Exempt
		Tu	rnaround T	ime (TA	T) Option	s* - Pleas	se Check			
3 Hour	☐ 6 Hour	2 4		48 Hour		2 Hour	☐ 96 Hou	–	1	2 Week
	*Analysis c	ompleted	in accordance		L's Terms a			e Price Guid	9	
	Matrix			lethod		Ins	trument	Rep	orting Limit	Check
Chips 🗆 % by	wt. 🗌 mg/cm² 🔲	ppm	SW	846-7000E	3	Flame At	omic Absorption	on	0.01%	
Air 24 hr.	NIOSH 708		OSH 7082			tomic Absorption		µg/filter	×	
1				OSH 7105			te Furnace AA		03 µg/filter	
·				7300 mod			AES/ICP-MS		5 μg/filter	┝╌┝┽╌┥
Wipe*	ASTM			846-7000E			tomic Absorption) µg/wipe	
*if no box is	non ASTM checked, non-ASTM			6-6010B o			CP-AES		0 µg/wipe	
	Wipe is assumed			6-7000B/7		Graphite Furnace AA			75 μg/wipe	
TCLP	···-		SW846-131				tomic Absorption		mg/L (ppm)	┈╧╌╏
		-	SW846-1131				CP-AES		mg/L (ppm)	┝╌┾╌┪
Soil				/846-7000E			tomic Absorption		ng/kg (ppm) ng/kg (ppm)	┝┼┼
				V846-7010 I6-6010B c		-	CP-AES		ig/kg (ppm)	
				B/SW846-			tomic Absorption		mg/L (ppm)	
Wastewater	Unpreserved		EPA 200 9			Graphite Furnace AA			3 mg/L (ppm)	
Preserved wi	th HNO₃pH < 2		EPA 200.7		ICP-AES			mg/L (ppm)		
Drinking Wat	er Unpreserved		EPA 200 9		Graphite Furnace AA			3 mg/L (ppm)		
	th HNO_3 pH < 2		E	EPA 200.8		ICP-MS			1 mg/L (ppm)	┞╌╧╌┥
TSP/SPM File	or		40 (CFR Part 5	50		ICP-AES		2 µg/filter	<u> </u>
			40 (CFR Part 5	50	Graph	ite Furnace AA	3	6 µg/filter	
Other:			<u> </u>			<u> </u>	_			<u></u>
Name of San	1pler: (b)(4)				Signa	ture of S		(b)	(4)	
Sample #		Locati	on			Volu	me/Area	(Date/Time S	ampled
\$303	Under Flame I	Bucke	t East side	15' In		6	02L		3/21/15 12:21	om 5:22pm
S304	Under Flame f	Bucke	t East side	25' In		6	02L		3/21/15 12:21	om 5:22pm
S305		Blan	k			Q,	A/QC		3/21/	15
							Total # c	of Sample	S: 3	
Client Samp		-			3/23/	15			8:30 am	
Relinquishe	d (Client):		Ţ <u> </u>	Date:	3/23/	سر. ال		me:	1	
Received (Lab): (b)(4) Date:		Date:	12/2	411	Tin	ne:	gam			
Comments:					•	I				İ

	National Aeronautics and						DATE	1	March 26, 2015
	Space Administration	ACTO		CRAITTA		-	, , , ,	•	, idi cii 20, 2013
NA SA	John C. Stennis Space Center	KACTO	KIKAN	SMITTA	L SHEE	.1		SHEET	
	Stennis Space Center, MS 39529-6000						1	OF	2
	SECTION I - REQUEST FO	OR APPRO	OVAL (To	be Initiate	ed by the	Contractor			
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,	MATERIAL	SAMPLES, C	R	CON	TRACT NO.	Х	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COM	MPLIANCE			NINIS	14AA30T		,	
	(See Instructions on Reverse)						0	RESUBMITT	
ГО	FROM			PREVIOUS TI	RANSMITT	AL NO. (If Any)	TRANSMITTAL NO.		
(b)(4) HARRY PEPPER & ASS				0			318	
	ION AND SECTION NO. (Cover Only One Section With Each T		PROJECT TI 	TLE AND LOC					
200H0-GA	04 02 82 33.13 Air, Area &Wipe Samples Co	llected			SL430WF	B00-03 SOFT CO		VARIATION	ACTION
ITEM	DESCRIPTION OF ITEM SUBMITTED	MANUFACTURER OF ITEM			NO OF	DOCUM		(See	CODE
NO.	(Type, Size, Model Number, etc.) (See Instruction No. 3)		Instruction		COPIES	SPECIFICATION	DRAWING	•	(See Instruction
	, , , , , , , , , , , , , , , , , , ,			,		PARAGRAPH NO.	SHEET NO.	No. 6)	No. 9
(a)	(b)		(c)		(d)	(e)	(f)	(g)	(h)
1	Wipe Samples Collected 3-23-15	онс			3	3.4.1.1.c	-	-	
2	Area Air Samples Collected 3-23-15	онс			3	3.4.1.1.c	-	-	-
3	Wipe Samples Collected 3-24-15	онс			3	3.4.1.1.c	-	-	-
4	Area Samples Collected 3-24-15	онс			3	3.4.1.1.c	_	-	_
				-	-	-	-	-	-
-				-			-	-	<u>-</u>
-	_			-			-	_	-
-	_			_	-	-	-	-	
REMARKS:	3 Hard Copies included.					the above submitt re correct and in st			
					drawings &	specifications. exce	ept as stated.		
							(b)(4)		ı
						NAME AND SI	GNATURE O	F CONTRACTO	OR
	SEC	CTION II -	APPROV.	AL ACTION	J				
NCLOSURE	ES RETURNED (List by Item No.)	NAME, TITI	LE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		
		I					I		



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Fax: Received:

Phone:

(813) 626-8156 (813) 623-6702

03/26/15 9:00 AM

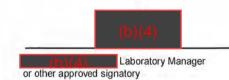
Collected:

3/23/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed	Area Sampled	RDL	Lead Concentration
SCGW144 341502887-0011	3/23/2015 3/26/2015 Site: Inside 13th FI Cle	144 in² an Room	10 μg/ft²	180 μg/ft²
SCGW145 341502887-0012	3/23/2015 3/26/2015 Site: Outside 13th FI C	144 in² lean Room	10 µg/ft²	260 μg/ft²
SCGW146 341502887-0013	3/23/2015 3/26/2015 Site: Inside 11th FI Cle	144 in² an Room	10 μg/ft²	82 μg/ft²
SCGW147 341502887-0014	3/23/2015 3/26/2015 Site: Outside 11th FL C	144 in² Clean Room	10 µg/ft²	360 µg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/t/2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples reported in good condition unless otherwise noted. The lab is not responsible for data reported in gyffer which is dependent on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/26/2015 11:22:37



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only).

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

3/26/15 Orlando, FL 32804

PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S311	14th Fl Above the Decon	910L	3/23/15 8:20am 3:40pm
S312	13th Fl Outside the Decon	910L	3/23/15 8:25am3:45pm
S313	12th Fl Below the Decon	910L	3/23/15 8.30am 3:50pm
S314	(b)(4) Grinding, Drilling, Welding, Torching	920L	3/23/15 8.00am 4:10pm
S315	Blank	QA/QC	3/23/15
SCGW144	Inside 13th Fl Clean Room	12X12	3/23/15
SCGW145	Outside 13th Fl Clean Room	12X12	3/23/15
SCGW146	Inside 11th Fl Clean Room	12X12	3/23/15
SCGW147	Outside 11th Fl Clean Room	12X12	3/23/15
Comments/Sp	pecial Instructions:		

2 of 2



EMSL Order ID (Lab Use Only): 3/24/15

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

341502887 Orlando, FL 32804

PHONE: (407) 599-5887 FAX: (407) 599-9063

Company : OF	IC Environm	ental E	Engine	ering, Ind	:		EMSL-Bill If Bill to is Diffe			rent ✓ Same n Comm ents**	
Street: 5420 B						Th	nird Party Billing requ	iires written	authori	zation from third r	artv
City: Tampa			State/P	rovince:	FL		al Code: 33609			ountry: United	
Report To (Na	me): (b)/4	4)				Telephor	ne #: 813-626-8	156			
Email Address			(b)(4	1		Fax #: 813-623-6702 Purchase Order:					
Project Name/	Number: Ster	nnis B	31 B2 T	est Stan	d '-	Please Provide Results: FAX F-mail Mail					
U.S. State San							les: Commerc	iai/Tayah	ile 🖂	Residential/Tax	Exempt
J.O. Carte Gail	ipico ranoni		Tu	rnaroun	d Time (TA		s* - Please Che				CEXOMPT
3 Hour	■ 6 Hou	ır	■ 24		☐ 48 Hour			6 Hour		l Week	2 Week
	*An	alysis co	ompleted	d in accord	ance with EMS	L's Terms a	nd Conditions locate	ed in the Pri			
	Matrix				Method		Instrume	nt	Rep	orting Limit	Check
Chips 🗆 % b	y wt. 🗌 mg/cr	n² 🔲	ppm		SW846-7000E	3	Flame Atomic Ab	sorption		0.01%	
Air 24 hr.					NIOSH 7082		Flame Atomic At	sorption	4	1 μg/filter	9
2,-T III.				NIOSH 7105		Graphite Furna	ce AA		03 µg/filter		
				NIC	OSH 7300 mod	lified	ICP-AES/ICF	-MS		5 µg/filter	
Wipe* 6hr.		TM [SW846-7000E	3	Flame Atomic Ab	sorption	11	0 µg/wipe	
*if no box is	non AS checked, пол-А			S	W846-6010B o	or C	ICP-AES	i .		0 µg/wipe	
	Wipe is assu			010	Graphite Furna			75 µg/wipe			
TCLP				SW846-1311/7000B/SM 3111B		Flame Atomic Ab			mg/L (ppm)		
				SW846-	1131/SW846-6		ICP-AES			mg/L (ppm)	
Soil	•				SW846-7000E SW846-7010		Flame Atomic Ab Graphite Furna			ng/kg (ppm)	
				S.	W846-6010B c		ICP-AES			ng/kg (ppm) ig/kg (ppm)	
					111B/SW846-		Flame Atomic Ab			mg/L (ppm)	
Wastewater	Unpreserv			EPA 200.9			Graphite Furna			3 mg/L (ppm)	
Preserved wi	th HNO ₃ pH	< 2		EPA 200.7					mg/L (ppm)		
Drinking Wat					EPA 200 9					3 mg/L (ppm)	
Preserved wi	th HNO ₃ pH	< 2			EPA 200.8		ICP-MS			1 mg/L (ppm)	
TSP/SPM File	ter				40 CFR Part 5					2 µg/filter	
Other:					40 CFR Pail 5		Graphite Furna	ICE AVA	3,	6 μg/filter	┡╌┼┤
	(b)/	4)				Sinna	ture of Sample			(b)(4)	
Name of Sam	ibier: (D)(4)	Location	<u> </u>		Signa	Volume/Are			Date/Time	Sampled
Sample # S306	In ha			t Collec	rtors		980L			3/23/15 8:05a	
S307				itical Ba			960L			3/23/15 8:20a	
							960L			3/23/15 8:21a	
S308	308 9th FI below Critical Barrier										
S309	S309 (b)(4) Cleaning top of elevators SC		1070L				3/23/15 8:15a				
S310 (b)(4) Cleaning top of the elevators					1070L			3/23/15 8:15a	ım 5:10pm		
Client Sampl	e#'s 🥰	306	<u>- 53</u>	SIS	SC_{GW}/YY	- اعدهد	U/47 Tota	al # of Sa	imples	ł Transier de la constant de la cons	
Relinquished (Client): (b)(4)			Date:	3/24/15 Time:			4:30 pm				
Received (Lat)):				Date:			Time:			
Comments:											

Page 1 of ____ pages

2



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax:

(813) 623-6702

Received:

03/26/15 9:00 AM

Collected:

3/23/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration		
S306 341502887-0001	3/23/2015 3/26/2015 Site: In Between Dust 0	480 L Collectors	8.3 µg/m³	<8.3 µg/m³		
S307 341502887-0002	3/23/2015 3/26/2015 Site: 10th FI Below Criti	960 L ical Barrier	4.2 μg/m³	<4.2 μg/m³		
S308 341502887-0003	3/23/2015 3/26/2015 Site: 9th FI Below Critic	960 L al Barrier	4.2 μg/m³	<4.2 μg/m³		
S309 341502887-0004	3/23/2015 3/26/2015 Site: (h)(4) / Cle	1070 L aning Top of the Elevators	3.7 µg/m³	<3.7 μg/m³		
S310 341502887-0005	3/23/2015 3/26/2015 Site: (b)(4)	1070 L / Cleaning Top of the Elevators	3.7 μg/m³	<3.7 μg/m³		
S311 341502887-0006	3/23/2015 3/26/2015 Site: 14th FI Above the	910 L Decon	4.4 μg/m³	<4.4 μg/m³		
S312 341502887-0007	3/23/2015 3/26/2015 Site: 13th FI Outside the	910 L e Decon	4.4 μg/m³	<4.4 µg/m³		
S313 341502887-0008	3/23/2015 3/26/2015 Site: 12th FI Below the	910 L Decon	4.4 μg/m³	<4.4 μg/m³		
S314 341502887-0009	3/23/2015 3/26/2015 Site: (b)(4) G	920 L rinding, Drilling, Welding, Torchi	4.3 μg/m³	<4.3 μg/m³		
S315 341502887-0010	3/23/2015 3/26/2015 Site: Blank	0 L	4.0 µg/filter	<4.0 µg/filter		



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/26/2015 12:23:39



EMSL Order ID (Lab Use Only): 3/21/15

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

341502887 Orlando, FL 32804

PHONE: (407) 599-5887 FAX: (407) 599-9063

Company : Ol	Company : OHC Environmental Engineering, Inc				EMSL-Bill to: Different / Same						
	Bay Center Driv			 	7.						artu
City: Tampa			rovince:	FL		nird Party Billing requal Code: 33609	ures writteri		Country: U		
Report To (Na	me): (b)(4)					ne #: 813-626-81	156		······································		
Email Address	3:	(b)//	1		Fax #: 813-623-6702 Purchase Order:						
	Number: Stenn	is B1 B2 ⁻	Γest Stand	*=	l	rovide Results:	FAX		E-mail		Mail
	nples Taken: M					les: Commerc	iai/Taxab	le 🖂	Resident	ia!/Tax	Exempt
			rnaround	Γime (TA		s* - Please Che					
☐ 3 Hour	■ 6 Hour	■ 24		48 Hour			Hour		1 Week		2 Week
		sis complete			L's Terms a	nd Conditions locate				*****	
	Matrix			Method	, 	Instrume	nt	Rep	orting Li	imit	Check
	y wt. 🗌 mg/cm²	☐ ppm	SV	V846-7000I	3	Flame Atomic Ab	sorption		0.01%		
Air 24 hr.			N	IOSH 7082		Flame Atomic Ab	sorption		4 μg/filter		9
			NIOSH 7105		Graphite Furna			03 µg/filte		<u> </u>	
				1 7300 mod		ICP-AES/ICP			.5 µg/filte		
Wipe* 6hr.	ASTM SW846-700		V846-7000I	3	Flame Atomic Ab	sorption		0 μg/wipe			
*if no box is	non ASTM checked, non-ASTI			46-6010B c		ICP-AES			0 µg/wip		
	Wipe Is assume	d	\$W846-7000B/70		010	Graphite Furna	ce AA				
TCLP			SW846-1311/7000B/S			Flame Atomic Absorption ICP-AES		0.4 mg/L (ppm) 0.1 mg/L (ppm)			
0-11	SW846-1131/SW846-6										
Soil				V846-7000E V846-7010		Flame Atomic Ab Graphite Furna			ng/kg (pr mg/kg (pr		
				46-6010B c		ICP-AES			ng/kg (pp		
18544		. –	SM3111	B/SW846-	7000B	Flame Atomic Ab	sorption		mg/L (pp	_	
Wastewater Presented wi	Unpreserved ith HNO ₃ pH < 2		EPA 200.9					0.00	3 mg/L (p	pm)	
	- •		EPA 200.7			ICP-AES		0.020 mg/L (ppm)			
	ter Unpreserved			EPA 200 9		Graphite Furna			3 mg/L (p		
Preserved w	ith HNO₃ pH < 2	2 🗆		PA 200.8	•	ICP-MS ICP-AES			1 mg/L (p)		
TSP/SPM Fil	ter			CFR Part 5 CFR Part 5		Graphite Furna	ce AA		2 µg/filter .6 µg/filte		
Other:			- 10	OTTO DITO		Grapinto i ama	00701		.o pg/mto		
Name of San	ppler: (b)(4	u l			Signa	ture of Sample	r:		(b)(4)		
Sample #	(2)(Locati	on			Volume/Are			Ďate/T	ime S	Sampled
S306	In betw	een Dus	t Collecto	rs		980L	/		3/23/15	8:05a	m 4:15pm
S307	10th Fl	below C	ritical Barr	ier		960L			3/23/15	8:20a	m 4:20pm
S308	9th FI t	pelow Cr	itical Barri	er		960L			3/23/15	8:21a	m 4:21pm
S309 (b)(4) Cleaning top of elevators SC			tors SC		1070L			3/23/15	8:15a	m 5:10pm	
S310 (h)(4) Cleaning top of the elevators		elevators		1070L			3/23/15	8:15a	m 5:10pm		
Client Samp	e#'s 53	06 - 53	SIS SC	6W144	- SCGL	0/47 Tota	I # of Sa	mples	s: 14		
Relinguished		(b)(4)		Date:	3/24/		Time:		4:30 p	m	
Received (Lat		10/(1/		Date:			Time:	***			
Comments:				1				-			



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only).

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90 スピドゥンダ

3/26/15 Orlando, FL 32804

PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S311	14th Fl Above the Decon	910L	3/23/15 8:20am 3:40pm
S312	13th Fl Outside the Decon	910L	3/23/15 8:25am3:45pm
S313	12th FI Below the Decon	910L	3/23/15 8.30am 3:50pm
S314	(b)(4) Grinding, Drilling, Welding, Torching	920L	3/23/15 8.00am 4:10pm
S315	Blank	QA/QC	3/23/15
SCGW144	Inside 13th Fl Clean Room	12X12	3/23/15
SCGW145	Outside 13th Fl Clean Room	12X12	3/23/15
SCGW146	Inside 11th Fl Clean Room	12X12	3/23/15
SCGW147	Outside 11th Fl Clean Room	12X12	3/23/15
		W/41-	
		A STATE OF THE STA	
Comments/Sp	pecial Instructions:		

 $\mathsf{Page}\, \underline{2} \quad \mathsf{of}\, \underline{2} \quad \mathsf{pages}$

2



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

03/26/15 9:00 AM

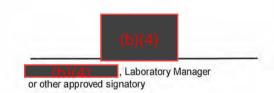
Collected:

3/24/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyze	ed Area Sampled	RDL	Lead Concentration
SCGW148 341502885-0010	3/24/2015 3/26/201 Site: Inside 13th FI C		10 μg/ft²	270 μg/ft²
SCGW149 341502885-0011	3/24/2015 3/26/201 Site: Outside 13th F		10 μg/ft²	140 μg/ft²
SCGW150 341502885-0012	3/24/2015 3/26/201 Site: Inside 11th FI 0		10 μg/ft²	240 μg/ft²
SCGW151 341502885-0013	3/24/2015 3/26/201 Site: Outside 11th F		10 μg/ft²	370 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/tt2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/26/2015 11:20:33



EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE (407) 599-5887 FAX: (407) 599-9063

Company : OHC Environmental Engineering, Inc.				EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**								
Street: 5420 Bay Center Drive Suite 100				Third Party Billing requires written authorization from third party								
City: Tampa			rovince:	FL		Zip/Postal Code: 33609 Country: United St			_	;S		
Report To (Nar	ne): (b)(4)				Telephon	e#: 813-6	326-81	56				
Email Address		(h)(4)		Fax#: 8	313-623-67	702		Р	urchase Order:	1	
	Number: Stennis	B1 B2	Test Stand	1	Please Pa	rovide Res	ults:	FAX	<u>√</u>	E-mail	Mail	
	ples Taken: MS		• • •					ial/Taxab	ole 🗍 l	Residential/Tax	Exen	npt
		Tu	rnaround	I Time (TA								
3 Hour	■ 6 Hour	2 4	Hour	☐ 48 Hour	72	2 Hour	□ 96	Hour	<u> </u>	Week 🔲	2 We	ek
		complete	d in accorda	nce with EMS	L's Terms a							
	Matrix			Method	,	Inst	rumer	nt	Rep	orting Limit	Che	eck
Chips ☐ % by	y wt. 🗌 mg/cm² [□ ррт		SW846-7000E	3	Flame Ato	mic Abs	orption		0.01%]
Air 24 hr.		•		NIOSH 7082	-	Flame Ato	mic Abs	sorption	4	µg/filter		
∠4 nr.			NIOSH 7105		Graphite	Furnac	e AA		03 µg/filter			
			NIC	SH 7300 mod	lified	ICP-A	ES/ICP-	MS	0.	5 µg/filter		<u> </u>
Wipe* bhr.	ASTM			SW846-7000E	3	Flame Ato	mic Abs	orption	10) µg/wipe		
non ASTM		SV	V846-6010B c	or C	IC	P-AES		1.0 μg/wipe]	
*if no box is checked, non-ASTM Wipe is assumed		SV	/846-7000B/7	010	Graphite	e Furnac	e AA	0.075 µg/wip]	
TCLP		SW846-1311/7000B/SM 3111B		Flame Ato	mic Abs	orption		mg/L (ppm)]		
			SW846-1	131/SW846-6	010B or C		P-AES			mg/L (ppm)		
Soil			ļ	SW846-7000E		Flame Ato				ng/kg (ppm)		╡┤
				SW846-7010 V846-6010B c		Graphite	e Furnac	æ AA		ng/kg (ppm) ig/kg (ppm)		-
				11B/SW846-		Flame Ato		orntion		mg/L (ppm)	+	_
Wastewater	Unpreserved		SIVIS	EPA 200.9	70000		e Fumac			mg/L (ppm)	ľ	
Preserved wi	th HNO₃ pH < 2	Ш		EPA 200.7		IC.	P-AES			mg/L (ppm)		
Drinking Wat	er Unpreserved			EPA 200.9		Graphite	e Furnac	ce AA		3 mg/L (ppm)		
Preserved wi	th HNO ₃ pH < 2			EPA 200.8			CP-MS			1 mg/L (ppm)		
TSP/SPM Fill	ter			40 CFR Part 5			P-AES		_	2 µg/filter	<u> </u>	┽
			<u> </u>	40 CFR Part 5	50	Graphit	e Fumac	ce AA	3.	6 μg/filter		┽
Other:					Τ				/	-)/4)		
Name of San	npler: (b)(4)	<u> </u>			Signa	ture of Sa				Date/Time S	Samp	lod
Sample #		Locati				Volum		a /				
S316	In betwe						1010L			3/24/15 8.05a		- _
S317	10th Fl b	elow C	ritical Ba	rrier		10	90L			3/24/15 8:20a	m 5 2	25pm
S318	9th Fl be	elow Cr	itical Ba	rrier		10	90L			3/24/15 8:21a	m 5:2	26pm
S319	(b)(4) / C	leaning	SC		10	70L			3/24/15 8:15a	m 5:1	0pm
S320	(b)(4	C	leaning	SC		10	70L			3/24/15 8:15a	ı m 5:1	10pm
Client Sampl	le#'s 5316	- 53	24	SCGW/4	18 - 506	W151	Tota	I# of Sa	ample	13		
Relinquished	d (Client):			Date:	3/24/	15		Time:		4:30 pm		
Received (Lab				Date:				Time:				
Comments:	7.			1 - 4101						-		

OrderID:	(b)(4)



LEAD ((Pb)	CHAIN OF CUSTODY
FMS	SI OF	RDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S321	14th Fl Above the Decon	1022L	3/24/15 8:20am 4:50pm
S322	13th FI Outside the Decon	1022L	3/24/15 8:25am 4:55pm
S323	12th Fl Below the Decon	1022L	3/24/15 8:30am 5:00pm
S324	Blank	QA/QC	3/24/15
SCGW148	Inside 13th Fl Clean Room	12X12	3/24/15
SCGW149	Outside 13th Fl Clean Room	12X12	3/24/15
SCGW150	Inside 11th Fl Clean Room	12X12	3/24/15
SCGW151	Outside 11th Fl Clean Room	12X12	3/24/15
Comments/Sp	pecial Instructions:		



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID: CustomerPO:

ProjectID:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

Fax:

(813) 626-8156 (813) 623-6702

Received:

03/26/15 9:00 AM

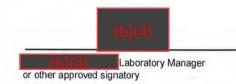
Collected:

3/24/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S316 341502885-0001	3/24/2015 3/26/2015 Site: In Between Dust	1010 L Collectors	4.0 μg/m³	<4.0 μg/m³
S317 341502885-0002	3/24/2015 3/26/2015 Site: 10th FI Below Cri	1090 L tical Barrier	3.7 μg/m³	<3.7 µg/m³
S318 341502885-0003	3/24/2015 3/26/2015 Site: 9th FI Below Critic	1090 L cal Barrier	3.7 μg/m³	<3.7 μg/m³
S319 341502885-0004	3/24/2015 3/26/2015 Site: (h)(4) / Clea	1070 L aning SC	3.7 µg/m³	<3.7 μg/m³
S320 341502885-0005	3/24/2015 3/26/2015 Site: (b)(4) Clea	1070 L aning SC	3.7 µg/m³	<3.7 μg/m³
S321 341502885-0006	3/24/2015 3/26/2015 Site: 14th FI Above the	1022 L Decon	3.9 µg/m³	<3.9 µg/m³
S322 341502885-0007	3/24/2015 3/26/2015 Site: 13th FI Outside th	1022 L ne Decon	3.9 µg/m³	<3.9 μg/m³
S323 341502885-0008	3/24/2015 3/26/2015 Site: 12th FI Below the	1022 L Decon	3.9 µg/m³	<3.9 µg/m³
S324 341502885-0009	3/24/2015 3/26/2015 Site: Blank	0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter. ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relaties only to those ltems tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/26/2015 12:21:46



EMSL Analytical, Inc 5125 Adanson Street, Suite 90

EMSL Order ID (Lab Use Only):

(b)(4)

Orlando, FL 32804 PHONE (407) 599-5887 FAX: (407) 599-9063

Company : Ol	IC Environme	∍ntal	Engin	eering, Inc).	_		L-Bill to: is Different note inst		rent 🗸 ın Comments			
Street: 5420 Bay Center Drive Suite 100						Third Party Billing requires written authorization from third party							
City: Tampa				Zip/Postal Code: 33609 Country: United States				3					
Report To (Na	me): (b)(4						ne #: 813-6						
Email Address			(h)(4	4)		1	813-623-67		F	Purchase C	Order:		
Project Name/		nis	B1 B2	Test Stan	d		rovide Resi	F		E-mail		Mail	
U.S. State San								nmercial/Taxat	ole 🔲	Residentia	al/Tax	Exem	pt
			T	urnaroun	d Time (TA	•							
☐ 3 Hour	■ 6 Hour		2 4	Hour	☐ 48 Hour	r 7	2 Hour	□ 96 Ноиг		1 Week		2 Wee	k
		lysis	complete	ed in accorda		L's Terms a		located in the Pr					
	Matrix			<u> </u>	Method		Inst	rument	Rep	orting Li	mit	Che	ck
Chips ☐ % b	y wt. 🗌 mg/cm	1² [] ppm		SW846-70008	В	Flame Ato	mic Absorption	L	0.01%			
Air 24 hr.					NIOSH 7082	?	Flame Ato	mic Absorption		4 µg/filter			ļ
4 7					NIOSH 7105			Furnace AA		03 µg/filte			
				NIC	OSH 7300 mod			S/ICP-MS		.5 μg/filter		<u> </u>	
Wipe* 6hr. ASTM				SW846-7000E	<u>B</u>		mic Absorption		0 µg/wipe		-	<u> </u>	
non ASTM *if no box is checked, non-ASTM		SI	W846-6010B c	or C		P-AES		.0 μg/wipe					
Wipe is assumed			SV	N846-7000B/7	010		Furnace AA		75 µg/wip				
TCLP			-1311/7000B/S			mic Absorption		mg/L (ppr					
		SW846-1	SW846-1131/SW846-6010B or C			P-AES	0.1 mg/L (ppr			_#			
Soil			SW846-7000B SW846-7010			mic Absorption		ng/kg (ppi		- H			
ł			v	SW846-7010 SW846-6010B or C						mg/kg (pp ng/kg (ppn		— 	<u> </u>
		SM3111B/SW846-7000B				mic Absorption		mg/L (ppr		一			
Wastewater Unpreserved ☐ Preserved with HNO₃ pH < 2 ☐		EPA 200.9		7000	Graphite Furnace AA 0.00			3 mg/L (pr					
Preservea wi	th HNO ₃ pH <	: 2		EPA 200.7		ICP-AES 0.0			0 mg/L (pr				
Drinking Wat					EPA 200.9			Furnace AA		3 mg/L (pp			
Preserved wi	th HNO ₃ pH <	< 2		- 	EPA 200.8		ICP-MS		0.001 mg/L (ppm)			_ -	
TSP/SPM File	ter				40 CFR Part 5		ICP-AES			2 µg/filter		<u> </u>	
Other:				 	40 CFR Part 5	<u> </u>	Graphite Furnace AA		٥	.6 µg/filter			
	(1-)/	4.		ــــــــــــــــــــــــــــــــــــــ			1			(b)(4)			
Name of San Sample #	ipier: (D)(4	+)	Locati	ion		Signa	ature of Sa Volum			Date/Ti	ima S	amal	
	la bad									3/24/15 8			
S316			***	st Collec			10						<u>-</u>
S317				critical Ba				90L		3/24/15 8			
S318	9th Fl	9th Fl below Critical Barrier				1090L			3/24/15 8			<u> </u>	
S319	S319 Cleaning SC		SC		107	70L		3/24/15			<u> </u>		
\$320			Ų	Cleaning		<u> </u>		70L		3/24/15 8	8:15ar	m 5:10)pm
Client Sampl	e#'s 53	مااذ	<u>- ১३</u>	,24	566W/4	18 - 5c E	W 151	Total # of Sa	ample	S: 13			
Relinquished	i (Client):	(t	o)(4)		Date:	3/24/	15	Time:		4:30 pr	n		
Received (Lab	o):				Date:			Time:					
Comments:													

OrderID:	OrderII) : [
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LEAD (Pb) CHAIN OF CUSTODY
EMSL C	RDFR ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S321	14th Fl Above the Decon	1022L	3/24/15 8:20am 4:50pm
S322	13th Fl Outside the Decon	1022L	3/24/15 8:25am 4:55pm
S323	12th Fl Below the Decon	1022L	3/24/15 8:30am 5:00pm
S324	Blank	QA/QC	3/24/15
SCGW148	Inside 13th Fl Clean Room	12X12	3/24/15
SCGW149	Outside 13th Fl Clean Room	12X12	3/24/15
SCGW150	Inside 11th Fl Clean Room	12X12	3/24/15
SCGW151	Outside 11th Fl Clean Room	12X12	3/24/15

	National Aeronautics and Space Administration					DATE	N	March 30, 2015
NASA	John C. Stennis Space Center	RACTOR TRAN	ISMITTA	L SHEE	:T		SHEET	
	Stennis Space Center, MS 39529-6000					1		0
	SECTION I - REQUEST FO	OR APPROVAL (To	be Initiate	ed by the	2 Contractor		***	
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,	, MATERIAL SAMPLES,	OR	CON	TRACT NO.	Х	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COM	MPLIANCE		NNS	14AA30T		•	
	(See Instructions on Reverse)						RESUBMITT	
то	FROM		PREVIOUS TF		AL NO. (If Any)	TF	RANSMITTA	L NO.
(b)(d	HARRY PEPPER & ASS	<u> </u>		0			321	
SPECIFICATI 200H0-GA(ION AND SECTION NO. (Cover Only One Section With Each T 04 02 82 33.13 Air, Area & Wipe Samples Co		TITLE AND LOC		B00-03 SOFT CO	NDE DAINITIN	10	
200110 07.1		The cited			CONTRACT REF		VARIATION	ACTION
ITEM	DESCRIPTION OF ITEM SUBMITTED (Type, Size, Model Number, etc.)	MANUFACTURER	OFITEM	NO OF	DOCUM		(See	CODE
NO.	(See Instruction No. 3)	(See Instruction		COPIES	SPECIFICATION		` `	(See Instruction
(a)	(b)	(c)		(4)	PARAGRAPH NO.	SHEET NO.	No. 6)	No. 9
1		OHC (c)		(d)	(e)	(f)	(g)	(h)
	Wipe Samples Collected 3-25-15			3	3.4.1.1.c		-	
2	Area Air Samples Collected 3-25-15	OHC		3	3.4.1.1.c	-	-	-
-	-		-	- !		-	-	
-	-		-	<u> </u>	-	-	-	-
-	-				_	-	-	-
-	-		-	- '	-	-	_	
-	-		-				-	-
-	-		-			-	-	-
REMARKS:	3 Hard Copies included.			I certify that	t the above submitt re correct and in str	ed items have	been reviewed	d in
			!	1	specifications, exce		ice with the co	Illiaci
			!					
					NAME AND SI	GNATURE O	F CONTRACTO)R
		CTION II - APPROV	AL ACTION	J				
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, TITLE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		
	1							
	·					ı		



OHC Environmental Engineering, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

orlandolab@emsl.com

EMSL Order: CustomerID:

ProjectID:

CustomerPO:

http://www.EMSL.com

(813) 626-8156 (813) 623-6702

Fax: Received:

Phone:

03/27/15 10:15 AM

Collected:

3/25/2015

Tampa, FL 33609

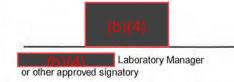
5420 Bay Center Drive

Project: Stennis B1 B2 Test Stand

Suite 100

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed	Area Sampled	RDL	Lead Concentration
SCGW152 341502947-0011	3/25/2015 3/27/2015 Site: Inside 13th FI Cle	144 in² ean Room	10 μg/ft²	62 μg/ft²
SCGW153 341502947-0012	3/25/2015 3/27/2015 Site: Outside 13th FL	144 in² Clean Room	10 µg/ft²	49 µg/ft²
SCGW154 341502947-0013	3/25/2015 3/27/2015 Site: Inside 11th FI Cle	144 in² ean Room	10 µg/ft²	34 μg/ft²
SCGW155 341502947-0014	3/25/2015 3/27/2015 Site: Outside 11th FI C	144 in² Clean Room	10 µg/ft²	51 μg/ft²
SCGW156 341502947-0015	3/25/2015 3/27/2015 Site: Derrick Crane Ca	144 in² ib Floor	10 µg/ft²	360 µg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/fi2 x area sampled in fi2. Unless noted, results in this report are "Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/kipe. ug/kipe = ug/fl2 x area sampled in fl2. Unless noted, results in this report are not blank corrected. This report elabes only to the samples reported above and may not blank conded, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. ""<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/27/2015 13:25:44





EMSL Order ID (Lab Use Only).

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

										1731 (407) 5	
Company: OH	EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**										
Street: 5420 Bay Center Drive Suite 100				Third Party Billing requires written authorization from third party							
City: Tampa	City: Tampa State/Province: FL				Zip/Posta				C	ountry: United	States
Report To (Nar	me) (b)(4)						3-626-81	56			
Email Address		(b)(4))		Fax #: 813-623-6702						
Project Name/I	Number: Stennis	B1 B2 T	est Sta	and	Please P			FAX		E-mail	Mail
U.S. State Sam	ples Taken: MS								ie 🗌 F	Residential/Ta	x Exempt
Turnaround Time (TAT) Options* - Please Check											
🔲 3 Hour	■ 6 Hour	2 4		48 Hour		Hour	1 -	Hour		Week	2 Week
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide Matrix Method Instrument Reporting Limit Check											
Object Clay by	Matrix			Method	<u></u>	Instrument					 -
	y wt. ☐ mg/cm² ☐	_ ppm	<u> </u>	SW846-7000E	3 	Flame Atomic Absorption			0.01%		
Air 24 hr.				NIOSH 7082			Flame Atomic Absorption			l µg/filter	3
		,	}	NIOSH 7105 NIOSH 7300 mod		Graphite Furnace AA ICP-AES/ICP-MS			0.03 µg/filter		╀╌┾╡╌┨
			<u> </u>	SW846-7000		Flame Atomic Absorption			0.5 µg/filter 10 µg/wipe		3
Wipe* (ohr.	ASTM non ASTM			SW846-6010B c		ICP-AES		SUPTION	1.0 µg/wipe		
*if no box is	checked, non-ASTM Wipe is assumed			SW846-7000B/7		Graphite Furnace AA		0.075 μg/wipe			
TCLP	-		SW8	46-1311/7000B/S	M 3111B	Flame Atomic Absorption		0.4 mg/L (ppm)			
'			SW846-1131/SW846-6010B or C			ICP-AES		0.1 mg/L (ppm)			
Soil			SW846-7000B			Flame Atomic Absorption		40 mg/kg (ppm)		\Box	
			SW846-7010			Graphite Furnace A\ ICP-AES		0.3 mg/kg (ppm) 2 mg/kg (ppm)		┇ ╌╞╡╌┨	
			SW846-6010B or C			Flame Atomic Absorption		0.4 mg/L (ppm)		╉╌╂╌╏	
Wastewater	Unpreserved		SM3111B/SW846-7000B EPA 200 9			Graphite Furnace AA				3 mg/L (ppm)	1-51
Preserved wi	ith HNO₃ pH < 2		EPA 200.7			ICP-AES		0.020 mg/L (ppm)			
Drinking Wat	ter Unpreserved		EPA 200.9			Graphite Fumace AA		0.003 mg/L (ppm)			
	ith HNO₃pH < 2_		EPA 200.8			ICP-MS			0.001 mg/L (ppm)		┸╌┾┤╌┤
TSP/SPM File	ter			40 CFR Part 5		ICP-AES		12 µg/filter 3.6 µg/filter		1	
			40 CFR Part 50			Graphite Fumace AA			<u>ی</u>	.6 µg/ilitei	╀╌┾┽┈┤
Other:	. —		<u></u>		1 0:	·	· Cmula		<u>. </u>	/L\/ /	
Name of San	npler: (b)(4)	l sooti			Signa T		f Sample lume/Аге			(D)(4) Date/Time	Sampled
Sample #		Location			1180L				3/25/15 8:05		
S325	Outside on Hip								3/25/15 9:20am 4:30pm		
S326	10th FI below Critical Barrier				862L				_		
S327	9th FI below Critical Barrier				862L				3/25/15 9:21am 4:31pm		
S328	(b)(4) Spot Abatement				1070L				3/25/15 8:50am 5:45pm		
S329	(b)(4) Spot Abatement			1070L				3/25/15 8:50am 5:45pm			
Client Sample #'s S.325 - S.334 SCGWISZ - SCGWISG Total # of Samples: 15											
Relinquished (Client):			Date:	3/25/15 Time:				4:30 pm			
Received (Lab):				Date:	312	Π	5_	Time:		TIO. 73	am
Comments:					y = :-	1 '	•				
				_							



LEAD (Pb) CHAIN OF CUSTODY

EMSL Analytical, Inc 5125 Adanson Street, Suite 90

EMSL ORDER ID (Lab Use Only):

(b)(4)

Orlando, FL 32804 PHONE. (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S330	(b)(4) (RC)/ On Top of the Corvette	960L	3/25/15 8:50am 5:10pm
S331	14th Fl Above the Decon	990L	3/25/15 8:25am 4:40pm
S332	13th Fl Outside the Decon	990L	3/25/15 8:30am 4:45pm
S333	12th Fl Below the Decon	990L	3/25/15 8:35am 4:50pm
S334	Blank	QA/QC	3/25/15
SCGW152	Inside 13th Fl Clean Room	12X12	3/25/15
SCGW153	Outside 13th Fl Clean Room	12X12	3/25/15
SCGW154	Inside 11th Fl Clean Room	12X12	3/25/15
SCGW155	Outside 11th Fl Clean Room	12X12	3/25/15
SCGW156	Derrick Crane Cab Floor	12X12	3/25/15
			
Commente/Sn	ecial Instructions;		



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702 03/27/15 10:15 AM

Collected:

3/25/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration <3.4 μg/m³	
S325 341502947-0001	3/25/2015 3/27/2015 Site: Outside on Hip Wal	1180 L I by Waste Containers	3.4 µg/m³		
S326 341502947-0002	3/25/2015 3/27/2015 Site: 10th FI Below Critic	862 L al Barrier	4.6 μg/m³	<4.6 μg/m³	
S327 341502947-0003	3/25/2015 3/27/2015 Site: 9th FI Below Critical	862 L Barrier	4.6 μg/m³	<4.6 μg/m³	
S328 341502947-0004	3/25/2015 3/27/2015 Site: (b)(4) Sp	1070 L ot Abatement	3.7 µg/m³	<3.7 μg/m³	
S329 341502947-0005	3/25/2015 3/27/2015 Site: (6)(4)// Spot Ab	1070 L atement	3.7 μg/m³	<3.7 μg/m³	
S330 341502947-0006	3/25/2015 3/27/2015 Site: (b) (A) (RC) / C	960 L on Top on the Corvette	4.2 μg/m³	<4.2 μg/m³	
S331 341502947-0007	3/25/2015 3/27/2015 Site: 14th FI Above the D	990 L econ	4.0 μg/m³	<4.0 μg/m³	
S332 341502947-0008	3/25/2015 3/27/2015 Site: 13th FI Outside the	990 L Decon	4.0 μg/m³	<4.0 μg/m³	
S333 341502947-0009	3/25/2015 3/27/2015 Site: 12th FI Below the De	990 L econ	4.0 μg/m³	<4.0 µg/m³	
S334 341502947-0010	3/25/2015 3/27/2015 Site: Blank	0 L	4.0 μg/filter	<4.0 µg/filter	

Cassette samples for project Stennis B1 B2 Test Stand; sample S330 was sampled in both directions collected on front filter and back pad, sample analyzed



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations This report may not be reportued except in full, without written approval by EMSL. This report relates only to those ltems tested. Samples received in good condition unless otherwise noted.

"<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/27/2015 16:54:42

Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only).

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE. (407) 599-5887 FAX' (407) 599-9063

Company: OHC Environmental Engineering, Inc.					EMSL-Bill to: Different Bill to is Different note instructions in Comments**						
Street: 5420 B	ay Center Drive Su	Third Party Billing requires written authorization from third party									
City: Tampa	State/Province: FL				I Code: 33609		Country: United States				
Report To (Na	ne): (b)(4)			Telephon	e#: 813-626-81	56					
Email Address	:	(h)(4	I)	Fax #: 8	113-623-6702		Pu	rchase Order:			
Project Name/	Number: Stennis B	1 B2 T	Fest Stand	Please Pi	rovide Results:	FAX	V	E-mail	Mail		
	ples Taken: MS			CT Samp	les: 🗌 Commerci	al/Taxab	le 🗌 Re	esidential/Tax	Exempt		
Turnaround Time (TAT) Options* - Please Check											
🗍 3 Hour		24		ur 🔲 72 Hour 🔲 96 Hour 🔲 1 Week 🔲 2 Week							
		mpleted	d in accordance with EMS	L's Terms a			ce Guide	rting Limit	Check		
	Matrix		Method	··· ·	Instrumer	_			Clieck		
Chips 🗆 % by	y wt. 🔲 mg/cm² 🔲 i	ppm	SW846-70008	3	Flame Atomic Abs	orption	(0.01%			
Air 24 hr.			NIOSH 7082		Flame Atomic Absorption		4 μg/filter				
24 III.			NIOSH 7105	*	Graphite Furnace AA		0.03 µg/filter				
			NIOSH 7300 mo	ified	ICP-AES/ICP-	0.5 µg/filter					
Wipe* low.	ASTM E		SW846-700 0	3	Flame Atomic Abs	orption	10 µg/wipe		3		
#if no hov in	non ASTM [checked, non-ASTM		SW846-6010B	SW846-6010B or C		ICP-AES		1.0 µg/wipe			
() (IO DOX IS	Wipe is assumed		SW846-7000B/7	010	Graphite Furnac	0.075 µg/wipe					
TCLP			SW846-1311/7000B/S		Flame Atomic Abs	0.4 mg/L (ppm)					
			SW846-1131/SW846-6		ICP-AES			ng/L (ppm)			
Soil			SW846-7000	Flame Atomic Abs Graphite Furnac	40 mg/kg (ppm) 0.3 mg/kg (ppm)						
			SW846-7010 SW846-6010B		ICP-AES	<u>.e / </u>		g/kg (ppm)			
			SM3111B/SW846		Flame Atomic Abs	0.4 mg/L (ppm)					
Wastewater Unpreserved			EPA 200 9	Graphite Furnace AA		ce AA	0.003 mg/L (ppm)				
Preserved wi	ith HNO₃ pH < 2	⊔ <u> </u>	EPA 200.7		ICP-AES		0.020 mg/L (ppm)				
	ter Unpreserved		EPA 200.9		Graphite Furna	0.003 mg/L (ppm)		 -			
Preserved w	ith HNO ₃ pH < 2 [<u> </u>	EPA 200.8		ICP-MS	0.001 mg/L (ppm) 12 µg/filter		 			
TSP/SPM Filter			40 CFR Part	ICP-AES Graphite Fuma	3.6 µg/filter						
Other:		·····	40 CFR Parts		Oraphile r ama	00,01		z <u>agrintor</u>			
	(1-) (4)	1		Sign	ature of Sample			h)(4)			
Name of San		ocati	ion	Signature of Sampler: (b)(4) Volume/Area Date/Time Sample							
Sample #	Location Outside on Hip Wall by Waste Containers			1 -	1180L		3/25/15 8:05am 5:55pm				
S325		ritical Barrier		862L		3/25/15 9:20am 4:30pm					
S326			<u> </u>	862L		3/25/15 9:21am 4:31pm					
S327	9th Fi beid	ritical Barrier	1070L				3/25/15 8:50am 5:45pm				
S328	(b)(4)	Spot Abatement	1070L 1070L				3/25/15 8:50am 5:45pm				
S329	<u>(b)(4)</u>		t Abatement	<u></u>		14-60					
Client Samp	le #'s 5,325	- <i>53</i> 3	34 SCGWISZ			# of S					
Relinquished (Client):			Date:	3/25/	15	Time:		4:30 pm			
Received (Lab); (b)(4			Date:	_312	1115	Time:]	10:15	am		
Comments:				•	1 '						
1											





LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE. (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S330	(b)(4) (RC)/ On Top of the Corvette	960L	3/25/15 8:50am 5:10pm
S331	14th Fl Above the Decon	990L	3/25/15 8:25am 4:40pm
S332	13th Fl Outside the Decon	990L	3/25/15 8:30am 4:45pm
\$333	12th Fl Below the Decon	990L	3/25/15 8:35am 4:50pm
S334	Blank	QA/QC	3/25/15
SCGW152	Inside 13th Fl Clean Room	12X12	3/25/15
SCGW153	Outside 13th Fl Clean Room	12X12	3/25/15
SCGW154	Inside 11th Fl Clean Room	12X12	3/25/15
SCGW155	Outside 11th Fl Clean Room	12X12	3/25/15
SCGW156	Derrick Crane Cab Floor	12X12	3/25/15
Comments/Sp	ecial Instructions:		

Page 2 of 2 pages

	National Aeronautics and						DATE	N	/larch 31, 2015
NASA	Space Administration CONTE	RACTO	R TRAN	SMITTA	LSHEE	Т			
	John C. Stennis Space Center			J		•	_	SHEET	
	Stennis Space Center, MS 39529-6000						1	OF	0
	SECTION I - REQUEST FO							T	
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,		SAMPLES, C)R	CON	TRACT NO.	Х	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF CON	MPLIANCE			NNS	14AA30T		1	
	(See Instructions on Reverse)			I			0	RESUBMITT	
го	FROM			PREVIOUS TI		AL NO. (if Any)	11	RANSMITTA	L NO.
(b)(HARRY PEPPER & ASS				0			324	
SPECIFICATI 200H0-GA	ION AND SECTION NO. (Cover Only One Section With Each T 04 02 83 33.13 Air & Wipe Samples	Transmittal	PROJECT TI	TLE AND LOC		B00-03 SOFT CO	RF PAINTIN	ıG	
200110 071						CONTRACT REF		VARIATION	ACTION
ITEM	DESCRIPTION OF ITEM SUBMITTED (Type, Size, Model Number, etc.)	MANU	JFACTURER	OF ITEM	NO OF	DOCUM	ENT	(See	CODE
NO.	(See Instruction No. 3)	(See	Instruction	No. 8)	COPIES	SPECIFICATION	DRAWING	Instruction	(See Instruction
(-)	(b)		(c)		(d)	PARAGRAPH NO.	SHEET NO.	No. 6)	No. 9
(a)	, , , , , , , , , , , , , , , , , ,	0.10	(C)		 ` ` 	(e)	(f)	(g)	(h)
1	Air Samples Collected 3-26-15	ОНС			3	3.4.1.1.c	-	-	
2	Wipe Samples Collected 3-27-15	ОНС			3	3.4.1.1.c	-	-	-
3	Wipe Samples Collected 3-28-15	онс			3	3.4.1.1.c		-	-
-				_	_	-	_		-
-	<u>-</u>			-	-	-	-	-	-
-	_				-	-	-	_	-
-	-			-		-	-	-	-
-	<u>-</u>			-		-	_	-	
REMARKS:	3 Hard Copies included.					t the above submitt re correct and in st			
					1	specifications. exce			
						NAME AND SI	GNATURE O	F CONTRACTO	DR
	SEG	CTION II -	APPROV	AL ACTION	N .				
NCLOSURE	S RETURNED (List by Item No.)	NAME, TIT	LE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		
		1							



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

03/30/15 8:42 AM 3/26/2015

Collected:

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S335 341503014-0003	3/26/2015 3/30/2015 Site: Outside on Hip W	1070 L all by Waste Containers	3.7 μg/m³	<3.7 μg/m³
S336 341503014-0004	3/26/2015 3/30/2015 Site: 10th FI Below Crit	960 L ical Barrier	4.2 μg/m³	<4.2 μg/m³
S337 341503014-0005	3/26/2015 3/30/2015 Site: 9th FI Below Critic	960 L cal Barrier	4.2 μg/m³	<4.2 µg/m³
S338 341503014-0006	3/26/2015 3/30/2015 Site: (A)(A)	970 L e-Sealing Inside Containment	4.1 μg/m³	<4.1 μg/m³
S339 341503014-0007	3/26/2015 3/30/2015 Site: 7/15) 7/4 Re-Sea	970 L ling Inside Containment	4.1 μg/m³	<4.1 μg/m³
S340 341503014-0008	3/26/2015 3/30/2015 Site: 14th FI Above the	970 L Decon	4.1 μg/m³	<4.1 μg/m³
S341 341503014-0009	3/26/2015 3/30/2015 Site: 13th FI Outside th	970 L e Decon	4.1 μg/m³	<4.1 μg/m³
S342 341503014-0010	3/26/2015 3/30/2015 Site: 12th FI Below the	970 L Decon	4.1 μg/m³	<4.1 μg/m³
S343 341503014-0011	3/26/2015 3/30/2015 Site: Blank	0 L	4.0 μg/filter	<4.0 µg/filter

Cassette samples for project Stennis B1 B2 Test Stand; sample S339 was sampled in both directions collected on front filter and back pad, sample analyzed



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³, OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. """ (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/30/2015 16:42:40



Lead (Pb) Chain of Custody

5125 Adanson Street, Suite 90

EMSL Analytical, Inc.

EMSL Order ID (Lab Use Only)

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

			,			(407) 30		
	HC Environmental Engin		EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**					
Street: 5420 E	Bay Center Drive Suite 1		Third Party Billing requires written authorization from third party					
City: Tampa	State	State/Province: FL				Country: United	States	
Report To (Na	me): (b)(4)		Telephon	ie #: 813-626-8156	5			
Email Address		4)	Fax#: 8	313-623-6702		Purchase Order:		
Project Name	Number: Stennis B1 B2	Test Stand	Please P	rovide Results:	FAX	✓ E-mail	Mail	
	nples Taken: MS		CT Samp	les: 🗌 Commercial	/Taxable [Residential/Tax	Exempt	
	T	urnaround Time (TA	T) Option	s* - Please Check	(
☐ 3 Hour		4 Hour 🔲 48 Houi		2 Hour 🔲 96 H		–	2 Week	
		ed in accordance with EMS	SL's Terms a				i	
	Matrix	Method		Instrument	Re	porting Limit	Check	
Chips □ % b	y wt. 🔲 mg/cm² 🔲 ppm	SW846-7000	В	Flame Atomic Absor	ption	0 01%		
Air 24 hr.	•	NIOSH 7082	<u></u>	Flame Atomic Absor	<u> </u>	4 μg/filter		
		NIOSH 7105		Graphite Furnace		0.03 µg/filter		
ļ	<u> </u>	NIOSH 7300 mod		ICP-AES/ICP-M		0.5 µg/filter	<u></u>	
Wipe* & h		SW846-7000		Flame Atomic Absor	·	10 µg/wipe	2	
"If no box is	s checked, non-ASTM	SW846-6010B (ICP-AES		1.0 µg/wipe		
	Wipe is assumed	SW846-7000B/7	*****	Graphite Furnace		.075 μg/wipe		
TCLP		SW846-1311/7000B/S SW846-1131/SW846-6				4 mg/L (ppm) 1 mg/L (ppm)		
Soil		SW846-7000		Flame Atomic Absor		mg/kg (ppm)		
3011	3011		SW846-7010			3 mg/kg (ppm)		
		SW846-6010B	or C	ICP-AES		mg/kg (ppm)		
Wastewater	Unpreserved	SM3111B/SW846-7000B		Flame Atomic Absorption		4 mg/L (ppm)		
	ith HNO₃ pH < 2 ☐	EPA 200 9		Graphite Furnace AA		03 mg/L (ppm)	- 	
		EPA 200.7		ICP-AES Graphite Furnace AA		20 mg/L (ppm) 003 mg/L (ppm)	- - - - - - - - - -	
	ter Unpreserved ☐ ith HNO₃pH < 2 ☐	EPA 200 9 EPA 200.8				003 mg/L (ppm)		
		40 CFR Part !	50	ICP-AES		12 µg/filter		
TSP/SPM Fil	ter	40 CFR Part		Graphite Furnace	AA	3.6 µg/filter		
Other:								
Name of Sar	npler: (b)(4)		Signa	ture of Sampler:				
Sample #	Loca	tion		Volume/Area		Date/Time S	Sampled	
S335	Outside on Hip Wall b	y Waste Containers		1070L		3/26/15 8·25a	m 5:20pm	
S336	10th FI below (Critical Barrier	960L			3/26/15 8:50a	m 4:50pm	
S337	9th Fl below C		960L		3/26/15 8:51a	ım 4:51pm		
S338	(b)(4) Re-Sea	970L			3/26/15 9:10a	m 5:15pm		
\$339	(b)(4) Re-Sealing	Inside Containment		970L		3/26/15 9:10a	m 5:15pm	
Client Samp	le #'s -		·	Total	# of Samp	les: 11		
Relinquishe	(1) (4)	, Date:	3/26/	15	Time:	4:30 pm		
Received (La		ate:	3/3			42am		
Comments:	(~)(~)							



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc.		
5125 Adanson Street.	Suite	90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

S340 S341	14th Fi Above the Decon	970L	3/26/15 8:55am4:55pm
S341			
	13th Fl Outside the Decon	970L	3/26/15 9:00am 5:00pm
S342	12th Fl Below the Decon	970L	3/26/15 9:05am 5:05pm
S343	Blank	QA/QC	3/26/15
SCGW157	Inside 13th Fl Clean Room	12X12	3/26/15
SCGW158 (Outside 13th Fl Clean Room	12X12	3/26/15
		<u> </u>	
 			
j	ial Instructions:		

Page 2 of 2 pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand

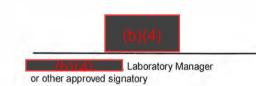
Phone: (813) 626-8156 Fax: (813) 623-6702

Received: 03/31/15 9:00 AM

Collected: 3/27/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW159 341503067-0001		3/31/2015 e 13th Fl Clear	144 in² n Room	10 μg/ft²	21 μg/ft²
SCGW160 341503067-0002		3/31/2015 ide 13th FI Cle	144 in² an Room	10 µg/ft²	11 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report mether the requirements of NELAC unless otherwise noted. "c" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 03/31/2015 11:47:28



Lead (Pb) Chain of Custody

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

EMSL Order ID (Lab Use Only):

EMSL ANALYTICAL INC.

(b) (4)

Orlando, FL 32804 PHONE (407) 599-5887 FAX: (407) 599-9063

Company : OHC Environmental Engineering, Inc.			EMSL-Bill to: Different Same If Bill to is Oifferent note instructions in Comments**							
Street: 5420 E	Bay Center Drive	Suite 10	0		Third Party Billing requires written authorization from third party					
City: Tampa	State/Province: FL			Zip/Postal Code: 33609 Country: United States						
Report To (Na	me): (b)(4)				Telephon	e#: 813-626 - 81	56			
Email Address		(b)(4	.)		Fax #: 8	313-623-6702		P	urchase Order:	;
Project Name/	Number: Stennis	B1 B2 7	est Stand		Please Pr	ovide Results:	FAX		E-mail	Mail
	nples Taken: MS				CT Samp	les: 🔲 Commerc	ial/Taxab	le 🔲	Residential/Tax	Exempt
		Τι	rnaround Time	(TA	T) Option	s* - Please Che	ck			
☐ 3 Hour	■ 6 Hour	2 4		Hour	. –		Hour	_	l Week □	2 Week
		s complete			L's Terms ar	nd Conditions locate				01:1:
Obine Ent	Matrix		Meth			Instrume		Rep	orting Limit	Check
	y wt. ☐ mg/cm²	□ ppm	SW846-	7000E	3	Flame Atomic Abs	orption		0.01%	
Air 24 hr.			NIOSH		V-1	Flame Atomic Abs	orption		l μg/filter	
_ , ,			NIOSH			Graphite Furnac			03 µg/filter	
			NIOSH 730			ICP-AES/ICP-			5 μg/filter	
Wipe*	ASTM non ASTM		SW846-			Flame Atomic Abs	sorption		0 µg/wipe	—
*if no box is	checked, non-ASTM		SW846-60			ICP-AËS	- 00		0 μg/wipe	
TOLD	Wipe is assumed					Graphite Fumac			75 µg/wipe	
TCLP		SW846-1311/7000B/S SW846-1131/SW846-6							mg/L (ppm) mg/L (ppm)	ㅡ붜ᅴ
Soil			SW846-			Flame Atomic Abs	orption		ng/kg (ppm)	
•			SW846			Graphite Furnac			ng/kg (ppm)	
SW846-60		10B o	rС	ICP-AES			ng/kg (ppm)			
Wastewater	Unpreserved		SM3111B/SV		7000B	Flame Atomic Abs			mg/L (ppm)	- -
Preserved wi	ith HNO₃ pH < 2		EPA 2 EPA 2			Graphite Furnac	e AA		3 mg/L (ppm) 0 mg/L (ppm)	
Drinking Wa	ter Unpreserved		EPA 2			Graphite Furnac	e AA		3 mg/L (ppm)	
	ith HNO₃ pH < 2		EPA 2	8 00		ICP-MS			1 mg/L (ppm)	
TSP/SPM Fil	ter		40 CFR			ICP-AES		12 µg/filter		
			40 CFR	Part 5	0	Graphite Furnac	æ AA	3.	6 µg/filter	┶┼┼
Other:									(1. \ / 4\	
Name of San	npler: (b)(4)				Signa	ture of Sampler			(D)(4)	
Sample #		Locati				Volume/Area	·		Date/Time S	
S344			Waste Contain	ers		1050L			3/27/15 8:25a	
S 345	10th Fl b	elow C	itical Barrier		900L				3/27/15 8:50a	m 4:20pm
S346	9th FI below Critical Barrier				900L			3/27/15 8 51a	m 4:21pm	
S347	/ Grit Recovery Inside Containment				942L			3/27/15 9:10a	m 5:01pm	
S348			ry Inside Containn			942L		_	3/27/15 9:10a	m 5:01pm
Client Samp	le#'s <i>534</i> 4	- 53	52 SCGW	159	/SCGW	Tota	l # of Sa	mples	5: 11	
Relinquished	d (Client):		Da	ite:	3/28/	15	Time:		4:30 pm	
Received (Lab	o):		Da	te:	3/3	1/15	Time:		Gan	
Comments:					•	ſ				



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S349	14th Fl Above the Decon	890L	3/27/15 8·55am 4:40pm
S350	13th Fl Outside the Decon	890L	3/27/15 9:00am 4:45pm
S351	12th Fl Below the Decon	890L	3/27/15 9:05am 4.50pm
S352	Blank	QA/QC	3/27/15
SCGW159	Inside 13th Fl Clean Room	12X12	3/27/15
SCGW160	Outside 13th Fl Clean Room	12X12	3/27/15
	pecial Instructions:		

Page 2 of 2 pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

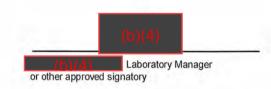
03/31/15 9:00 AM

Collected:

3/28/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyze	d Area Sampled	RDL	Lead Concentration
SCGW161 341503068-0001	3/28/2015 3/31/201 Site: Inside 13th FI C		10 μg/ft²	37 μg/ft²
SCGW162 341503068-0002	3/28/2015 3/31/201 Site: Outside 13th FI	7	10 µg/ft²	<10 µg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/It² which is dependant on the area provided by non-lab personnel. The test results contained within this report mether the requirements of NELAC unless otherwise noted. "c" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 03/31/2015 11:49:20





Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only)

Orlando, FL 32804

EMSL Analytical, Inc.

5125 Adanson Street, Suite 90

PHONE: (407) 599-5887 FAX: (407) 599-9063

						1701 (407) 31	99-9003	
Company : OF	IC Environmental Engine	eering, Inc.	EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**					
Street: 5420 B	ay Center Drive Suite 10	00	Third Party Billing requires written authorization from third party					
City: Tampa	State/I	Province: FL	1	tal Code: 33609		Country: United	States	
Report To (Na	me): (b)(4)		Telepho	ne #: 813-626-81	56			
Email Address	<u>::</u> (b)(4)	Fax #:	813-623-6702		Purchase Order		
Project Name/	Number: Stennis B1 B2	Test Stand	Please F	rovide Results:	FAX	E-mail	Mail	
U.S. State Sam	nples Taken: MS		CT Sam	ples: 🔲 Commerc	ial/Taxat	ole 🔲 Residential/Tax	Exempt	
	T	urnaround Time (TA			ck			
3 Hour		Hour 48 Hou			Hour		2 Week	
		ed in accordance with EM	SL's Terms				- 	
	Matrix	Method		Instrume	nt	Reporting Limit	Check	
	y wt. mg/cm² ppm	SW846-7000	В	Flame Atomic Abs	sorption	0.01%		
Air 24 hr.		NIOSH 708		Flame Atomic Abs		4 µg/filter		
		NIOSH 7109		Graphite Furna		0.03 µg/filter		
		NIOSH 7300 mo		ICP-AES/ICP		0.5 µg/filter		
Wipe* 6 hr	ASTM 💮	SW846-7000		Flame Atomic Abs	sorption	10 μg/wipe		
*if no box is	non ASTM [] checked, non-ASTM	SW846-6010B		ICP-AES	^^	1.0 µg/wipe		
	Wipe is assumed SW846-7000B/70			Graphite Fuma		0.075 µg/wipe 0.4 mg/L (ppm)	┝═┾═┥	
TCLP	SW846-1311/7000B/SI SW846-1131/SW846-60				Flame Atomic Absorption		├ ─ 	
Soil	SW846-7000B			Flame Atomic Ab	earntion .	0.1 mg/L (ppm) 40 mg/kg (ppm)	┝╌┾┽╌┤	
3011	SW846-70008			Graphite Furnar		0.3 mg/kg (ppm)		
	SW846-6010B o			ICP-AES		2 mg/kg (ppm)		
101		SM3111B/SW846	7000B	Flame Atomic Abs	sorption	0.4 mg/L (ppm)		
Wastewater	Unpreserved ☐ ith HNO₃pH < 2 ☐	EPA 200.9		Graphite Furna	ce AA	0.003 mg/L (ppm)		
		EPA 200 7		ICP-AES		0.020 mg/L (ppm)		
	ter Unpreserved	EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)		
Preserved wi	th HNO₃ pH < 2 ☐	EPA 200.8		ICP-MS		0.001 mg/L (ppm)		
TSP/SPM Fill	ter	40 CFR Part		ICP-AES Graphite Furnace AA		12 µg/filter 3.6 µg/filter	├ ─ ├┼	
Other:		40 Critian	 	Grapinie i unia		5.0 pg/mer	┝╫┩	
Name of San	ppler: (b)(4)	.L	Sign	ature of Sample				
Sample #	Locat	ion	1	Volume/Are		Date/Time	sampled	
S353	Outside on Hip Wall b			1060L	7	3/28/15 7:50a		
S354	10th Fl below C	ritical Barrier	964L			3/28/15 8:00a	3/28/15 8:00am 4:02pm	
S355	9th Fl below Critical Barrier			964L		3/28/15 8:01a	m 4:03pm	
S356	(h)(4) Grit Recovery Inside Containment			974L		3/28/15 8:25a	m 4:32pm	
\$357	(h)(2) Grinding Pipes North Side under Containment			880L		3/28/15 9:00a	m 4:20pm	
Client Sampl	e#'s 5353 -53	61 5CGW	161-50		l # of Sa	amples: 11		
Relinquished		Date:	3/28		Time:	4:30 pm		
Received (Lab	(h)(4)	Date:	71	3/115	Time:	gans		
Comments:	<u></u>	Date,		-1/1-	1 111101			
		_						



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Leb Use Only)

EMSL Analytic	al, Inc.		
5125 Adanson	Street,	Suite	90

	OWDER IN	Tran 096	$\bigcirc (ny)$.
1			
l			
L			

Orlando, FL 32804 PHONE: (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled	
S358	14th Fl Above the Decon	970L	3/28/15 8.10am 4 15pm	
S359	13th Fl Outside the Decon	970L	3/28/15 8:15am 4:20pm	
S360	12th Fl Below the Decon	970L	3/28/15 8:20am 4:25pm	
S361	Blank	QA/QC	3/28/15	
SCGW161	Inside 13th Fl Clean Room	12X12	3/28/15	
SCGW162	Outside 13th Fl Clean Room	12X12	3/28/15	
			<u> </u>	
Comments/Sp	pecial Instructions:			

Page 2 of 2 pages

 	National Aeronautics and						DATE		April 6, 2015
	Space Administration					- <u></u>	DATE		April 6, 2015
THE A	John C. Stennis Space Center	RACTOR	₹ TRAN	SMITTA	L SHEE	. T		SHEET	
	Stennis Space Center, MS 39529-6000					ŀ	1		1
	SECTION I - REQUEST FO	OR APPRO	OVAL (To	be Initiate	ed by the	2 Contractor			
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,					TRACT NO.		NEW SUBMI	ITTAL
	MANUFACTURER'S CERTIFICATES OF COM	MPLIANCE		I	NNIC	14AA30T		1	
	(See Instructions on Reverse)				<u></u>		0	RESUBMITT	AL
ГО	FROM			PREVIOUS TF	RANSMITT/	AL NO. (If Any)	TF	RANSMITTA	L NO.
(b)(d	4) HARRY PEPPER & ASS			<u> </u>	0		<u> </u>	330	·
	TON AND SECTION NO. (Cover Only One Section With Each T			ITLE AND LOCA				. =.	
200H0-GA		5 thru 4-2-1	<u></u>		SL430WFF	B00-03 SOFT CO		NG TVARIATION	ACTION
ITEM	DESCRIPTION OF ITEM SUBMITTED	MANI	JFACTURER (OF ITEM	NO OF	DOCUM		(See	ACTION CODE
NO.	(Type, Size, Model Number, etc.) (See Instruction No. 3)	l .	Instruction		COPIES	SPECIFICATION		Instruction	_
(-)	, , , , , , , , , , , , , , , , , , ,	,		,		PARAGRAPH NO.	SHEET NO.	No. 6)	No. 9
(a)	(b)	<u> </u>	(c)		(d)	(e)	(f)	(g)	(h)
1	Air & Wipe Samples Collected 3-30-15	ОНС			3	3.4.1.1.c	-	-	
2	Wipe Samples Collected 3-31-15	ОНС			3	3.4.1.1.c	- !	-	-
3	Area Samples Collected 3-31-15	ОНС			3	3.4.1.1.c	<u> </u>	-	-
4	Air Samples Collected Gringing Level 11 4-1-15	ОНС			3	3.4.1.1.c	-	-	-
5	Air Samples Collected 4-2-15	онс			3	3.4.1.1.c	-	-	-
6	Wipe Samples Collected 4-2-15	ОНС			3	3.4.1.1.c			-
-	_			_	'		- '	-	-
-	_			<u>-</u>				-	-
REMARKS:	3 Hard Copies included.					t the above submitte re correct and in str			
						specifications, exce		ice with the co.	Titaci
				!					
						NAME AND SI	GNATURE O	F CONTRACTC)R
	SEC	CTION II -	APPROV	AL ACTION	1				
NCLOSURE	ES RETURNED (List by Item No.)	NAME, TITL	.E, AND SIGI	NATURE OF A	PPROVING	AUTHORITY	DATE		
	!					ļ	ĺ		
	!						1		



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

Fax:

(813) 626-8156 (813) 623-6702

Received:

04/01/15 9:00 AM

Collected:

3/30/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW163	3/30/2015	4/1/2015	144 in²	10 μg/ft²	81 μg/ft²
341503118-0001	Site: Inside 13th FI Clean Room				
SCGW164	3/30/2015	4/1/2015	144 in²	10 μg/ft²	51 μg/ft²
341503118-0002	Site: Outsid	e 13th FI Cle	an Room		

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in glyft which is dependent on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/01/2015 11:47:12



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax (407) 599-5887 / (407) 599-9063

EMSL Order: CustomerID: CustomerPO:

ProjectID:

http://www.EMSL.com orlandolab@emsl.com

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

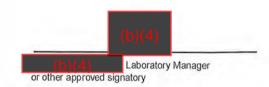
Project: Stennis B1 B2 Test Stand

Phone: (813) 626-8156 Fax: (813) 623-6702 Received: 04/01/15 9:00 AM

3/30/2015 Collected:

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S362 341503118-0003	3/30/2015 Site: Outsi	4/1/2015 de 5' from the	1020 L Dust Collector	3.9 µg/m³	<3.9 μg/m³
S363 341503118-0004	3/30/2015 Site: 10th F	4/1/2015 FI Below Critica	950 L al Barrier	4.2 μg/m³	<4.2 μg/m³
S364 341503118-0005	3/30/2015 Site: 9th FI	4/1/2015 Below Critical	950 L Barrier	4.2 μg/m³	<4.2 µg/m³
S365 341503118-0006	3/30/2015 Site:	4/1/2015 (4) Grindii	770 L ng Paint on 8th FI SE Exterior	5.2 μg/m³	<5.2 μg/m³
S366 341503118-0007	3/30/2015 Site:	4/1/2015 (4) Grit	770 L Recovery Inside the Containment	5.2 μg/m³	<5.2 μg/m³
S367 341503118-0008	3/30/2015 Site: 14th F	4/1/2015 FI Above the D	950 L econ	4.2 μg/m³	<4.2 µg/m³
S368 341503118-0009	3/30/2015 Site: 13th F	4/1/2015 Fl Outside the l	950 L Decon	4.2 μg/m³	<4.2 μg/m³
S369 341503118-0010	3/30/2015 Site: 12th F	4/1/2015 I Below the De	950 L econ	4.2 μg/m³	<4.2 μg/m³
S370 341503118-0011	3/30/2015 Site: Blank	4/1/2015	0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/01/2015 15:56:14

Lead (Pb) Chain of Custody EMSL Order ID (Lab Uşe Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887

										FAX (4)	07) 5	99-9063
Company : OF	IC Environmental	Engine	ering, I	nc.			ISL-Bill to is Differ			rent 🗸		
Street 5420 B	ay Center Drive S	Suite 10	10		7.	ird Darby Di	ilina roau	urae uurittar	author	zation from	third n	arty
City: Tampa		State/P		: FL		al Code: 3		nes winter		Country: U		
Report To (Na	me): (b)(4)				Telephone #: 813-626-8156							
Email Address	12)(:)	(b)(4	1		Fax #: 813-623-6702 Purchase Order:							
	Number: Stennis I	R1 R2	Test Sta	and		rovide Re		FAX		E-mail		Mail
	ples Taken: MS	J. DZ		2110								
U.S. State San	iples taken: IVIO		IFNOTOL	ınd Time (TA					ole [_]	Residenti	aii i ax	Exempt
☐ 3 Hour	■ 6 Hour	■ 24		48 Hour		2 Hour		Hour		1 Week		2 Week
				rdance with EMS								
	Matrix			Method			trume			orting Li	mit	Check
Chips ☐ % by wt. ☐ mg/cm² ☐ ppm				SW846-7000E	3	Flame A	tornic Ab	sorption		0.01%		
Air 24 hr.				NIOSH 7082		Flame Al	lomic Abi	sorption		4 µg/filter		X
2 4 III.				NIOSH 7105		Graphi	te Furna	ce AA	0.	03 µg/filte	er	
			١	NIOSH 7300 mod	lified	ICP-	AES/ICP	-MS	Ö	.5 µg/filtei	ſ	
Wipe*	ASTM	×		SW846-7000E	3	Flame Al	tomic Ab	sorption	1	0 µg/wipe		X
***********	Wipe* ASTM In non-ASTM In no box is checked, non-ASTM			SW846-6010B c	r C	ı	CP-AES		1	.0 µg/wipe	•	
TI NO DOX IS	Wipe is assumed			SW846-7000B/7	010	Graphite Furnace AA		0.0	75 μg/wip	e		
TCLP			SW846-1311/7000B/SM 3111			Flame Atomic Absorption		0.4 mg/L (ppm)				
			\$W84	6-1131/SW846-6	010B or C		CP-AES			mg/L (ppi		
Soil				SW846-7000E		Flame At				ng/kg (pp		_ Ц
				SW846-7010 SW846-6010B c			te Furna CP-AES	ce AA		mg/kg (pp		
			SM3111B/SW846-7000B			Flame Atomic Absorption		orolion	2 mg/kg (ppm) 0.4 mg/L (ppm)			
Wastewater	Unpreserved		EPA 200 9		70000	Graphite Furnace AA		0.003 mg/L (ppm)				
Preserved wi	th HNO₃pH < 2		EPA 200.9 EPA 200.7		ICP-AES		0.020 mg/L (ppm)		一一			
Drinking Wat	er Unpreserved			EPA 200.9	***************************************	Graphite Furnace AA		0.003 mg/L (ppm)				
	th HNO ₃ pH < 2			EPA 200 8		ICP-MS				1 mg/L (pp		
TSP/SPM File	or			40 CFR Part 5	0	ICP-AES		12 µg/filter				
				40 CFR Part 5	0	Graphite Furnace AA		ce AA	3	.6 µg/filter		
Other:						<u> </u>						
Name of San					Signa	ture of S						
Sample #		Locati					ne/Are	a				ampled
S362	Outside 5' fro	m the	Dust	Collector		10)20L			3/30/15	8·45a	m 5:15pm
S363	10th FI be	low C	ritical	Barrier		9	50L			3/30/15	8:55a	m 4:50pm
S364	9th FI bel	ow Cr	itical E	Barrier		9	50L			3/30/15	8:56a	ın 4:51pm
S365	Grinding Paint o		nt on 8th	FI SE Exterior		7	70L			3/30/15	10:1	5 4:40pm
S366 (b)(4) Grit Recovery inside the G			he Containment		7	70L			3/30/15 10:15am 4:40pm			
Client Sampl	e #'s	-					Tota	I # of Sa	ımple	S: 11		
Relinquished	i (Client):; (t			, Date:	3/30/	15		Time:		5:30 pr	n	
Received	(b)			Date:	4	<u>///5</u>		Time:	<u>9a</u>	n		
Comment	(D)	(' /			•							
	ī											



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE. (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S367	14th Fl Above the Decon	950L	3/30/15 9:15am 4:40pm
S368	13th Fl Outside the Decon	950L	3/30/15 9:20am 4:45pm
S369	12th FI Below the Decon	950L	3/30/15 9:25am 4:50pm
S370	Blank	QA/QC	3/30/15
00004400	Incide 40th FLOI Decree	407/40	0/00/45
SCGW163	Inside 13th Fl Clean Room	12X12	3/30/15
SCGW164	Outside 13th Fl Clean Room	12X12	3/30/15
Comments/Sp	ecial Instructions:		

Page 2^{-} of 2^{-} pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand

Phone: (813) 626-8156 (813) 623-6702 Fax:

04/02/15 10:24 AM Received:

3/31/2015 Collected:

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW165 341503167-0001	3/31/2015 Site: Inside	4/2/2015 13th FI Clear	144 in² n Room	10 µg/ft²	120 µg/ft²
SCGW166	3/31/2015	4/2/2015	144 in²	10 µg/ft²	20 μg/ft²
341503167-0002	Site: Outsi	de 13th FI Cle	an Room		



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/02/2015 13:24:06



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only).

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX (407) 599-9063

-1110L	Oluci in	Lean ose of	11 y).

						The second livery with the second livery with	1			
Company : OH	C Environmental En	ngine	ering, Inc.	1	EMSL-Bill to: Different \int Same If Bill to is Different note instructions in Comments**					
Street: 5420 B	ay Center Drive Suit	e 100)		Third Party Billing requires written authorization from third party					
City: Tampa			ovince: FL			Code: 33609			ountry: United	
Report To (Nar	ne): (b)(4)				Telephone #: 813-626-8156					
Email Address	: (b	~\/ <i>(</i> 1)			Fax #: 813-623-6702 Purchase Order:					
	Number: Stennis B1	B2 T	est Stand	一	Please Pr	ovide Results:	FAX	7	E-mail	Mail
	ples Taken: MS		- · · · · · · · · · · · · · · · · · · ·		CT Samp	les: 🗌 Commei	cial/Taxab	ole []	Residential/Tax	Exempt
Olo, Galo Gali	- Control	Tu	rnaround Time (
☐ 3 Hour	6 Hour	24	<u> </u>				6 Hour		l Week	2 Week
	*Analysis com	pleted	In accordance with I	MSL	SL's Terms and Conditions located in the Price			ice Guia	le	
	Matrix		Metho	od		Instrum	ent	Rep	orting Limit	Check
Chips □ % by	/wt. ☐ mg/cm² ☐ pp	pm	SW846-70	000B		Flame Atomic A	bsorption		0.01%	
Air 24 hr.		ļ	NIOSH 7	082		Flame Atomic A	bsorption		4 µg/filter	
<u> </u>	2		NIOSH 7			Graphite Furn			03 µg/filter	
			NIOSH 7300	modi	fied	ICP-AES/IC	P-MS		.5 µg/filter	
Wipe*	Wipe* ASTM			000B		Flame Atomic A	bsorption	_	0 μg/wipe	*
non ASTM			SW846-6010	0B or	С	icp-ae		1.	0 µg/wipe	U
1110 000 19	Wipe is assumed	- 1	SW848-7000B/7010			Graphite Furn	ace AA	0.0	75 μg/wipe	
TCLP			SW846-1311/7000B/SM 3111B		Flame Atomic Absorption		0.4 mg/L (ppm)			
			SW846-1131/SW84	46-60	MOB or C	ICP-AE			mg/L (ppm)	
Soil		1	SW846-7000B SW846-7010		Flame Atomic A			ng/kg (ppm)		
		ŀ	SVV846-7		·C	Graphite Furn			mg/kg (ppm) ng/kg (ppm)	
<u></u>			SM3111B/SW846-7000			Flame Atomic A		0.4 mg/L (ppm)		
Wastewater	Unpreserved]	EPA 200.9		0005	Graphite Furnace AA		0.003 mg/L (ppm)		
Preserved wi	th HNO₃ pH < 2 ☐	J	EPA 200.7		ICP-AES		0.020 mg/L (ppm)			
Drinking Wat	ler Unpreserved		EPA 200 9		Graphite Furnace AA		0.003 mg/L (ppm)			
Preserved wi	th HNO ₃ pH < 2 \Box		EPA 20	8.0		ICP-MS		0 001 mg/L (ppm)		
TSP/SPM Fill	ter	ŀ	40 CFR P			ICP-AES		12 µg/filter		╌╞┤╌┆
			40 CFR P	ап 50	J	Graphite Furn	ace AA		.6 µg/filter	
Other:	(1.)(4)				10:				(6)(4)	
Name of Sam					Signa	ture of Sampl			Date/Time S	ampled
Sample #		ocatio		-	_	Volume/Ar	ea /		3/31/15 9:0	
S373	10th FI belov					860L				
S374	9th FI below	v Cri	tical Barrier			860L			3/31/15 9:06a	
S375	(b)(4) Ins	side	the Containme	nt		834L			3/31/15 9:25a	
S376	14th Fl Ab	ove	the Decon			840L			3/31/15 9:20a	m 4:20pm
S377	13th Fl Out	tside	the Decon			840L			3/31/15 9 [.] 21a	m 4:21pm
Client Samp	le#'s 5373 -	537	9 SCOWII	65.	SC64	0166 To	tal # of S	ample	s : 9	
Relinquished	(1.)	(4)	/ Dat		3/31/	15	Time:		5:30 pm	
	, (<u>=</u> 10114);			e:	4	1/2/15	Time:	10.	24am	
Received Commen				••		/ 	1 1 1 1 1 1			······································
\										

Page 1 of ____ pages

2



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE (407) 599-5887 FAX (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S378	12th Fl Below the Decon	840L	3/31/15 19:22am 4 22pm
S379	Blank	QA/QC	3/31/15 1
SCGW165	Inside 13th Fl Clean Room	12X12	3/31/15
SCGW166	Outside 13th Fl Clean Room	12X12	3/31/15
		······································	
Comments/Sp	ecial instructions:		
<u> </u>			

 $\mathsf{Page}\, \underline{2} \quad \mathsf{of}\, \underline{2} \quad \mathsf{pages}$



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156 (813) 623-6702

Fax:

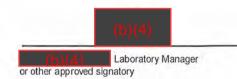
04/02/15 10:24 AM

Received: Collected:

3/31/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S373 341503167-0003	3/31/2015 Site: 10th F	4/2/2015 I Below Critica	860 L Il Barrier	4.7 μg/m³	<4.7 μg/m³
S374 341503167-0004	3/31/2015 Site: 9th FI	4/2/2015 Below Critical	860 L Barrier	4.7 μg/m³	<4.7 µg/m³
S375 341503167-0005	3/31/2015 Site: (b	4/2/2015)(4) nside	834 L the Containment	4.8 µg/m³	<4.8 μg/m³
S376 341503167-0006	3/31/2015 Site: 14th F	4/2/2015 FI Above the De	840 L econ	4.8 μg/m³	<4.8 μg/m³
S377 341503167-0007	3/31/2015 Site: 13th F	4/2/2015 FI Outside the I	840 L Decon	4.8 μg/m³	<4.8 μg/m³
S378 341503167-0008	3/31/2015 Site: 12th F	4/2/2015 FI Below the De	840 L econ	4.8 μg/m³	<4.8 μg/m³
S379 341503167-0009	3/31/2015 Site: Blank	4/2/2015	0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/02/2015 15:03:56



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only).

rder ID (Lab Use Only). Orlando, FL 32804 PHONE: (407) 599-5887 FAX (407) 599-9063

		· / /	,				111 (407) 00	
Company : OH	C Environmental Engine	EMSL-Bill to: Different / Same If Bill to is Different note instructions in Comments**						
Street: 5420 Ba	ay Center Drive Suite 10	Third Party Billing requires written authorization from third party						
City: Tampa	State/P	Zip/Posta	I Code: 33609		Co	ountry: United	States	
Report To (Nan	ne): (b)(4)		Telephon	e#: 813-626-81	56			
Email Address	(b)(4	1	Fax #: 8	313-623-6702	<u> </u>		rchase Order:	
Project Name/N	lumber: Stennis B1 B2 7	Test Stand	Please Pr	rovide Results:	FAX	√	E-mail	Mail
	ples Taken: MS		CT Samp	les: 🗌 Commerci	al/Taxab	le 🔲 R	lesidentiai/Tax	Exempt
	Tu	rnaround Time (TA						
☐ 3 Hour	6 Hour 24	Hour 48 Hour	72	2 Hour 🔲 96	Hour	_		2 Week
	*Analysis complete	d in accordance with EMS	L's Terms a	nd Conditions located	in the Pri	ce Guide		
	Matrix	Method		Instrumen	it	Repo	rting Limit	Check
Chips 🗆 % by	wt. 🗌 mg/cm² 🔲 ppm	SW846-7000E	3	Flame Atomic Abs	orption		0.01%	
Air 24 hr.		NIOSH 7082		Flame Atomic Abs	orption		µg/filter	
24 111.		NIOSH 7105		Graphite Furnac			3 µg/filter	
		NIOSH 7300 mod	lified	ICP-AES/ICP-			δ µg/filter	[20]
Wipe*	ASTM 🦝	SW846-7000	В	Flame Atomic Abs	orption		µg/wipe	-
1	non ASTM ()	SW846-6010B	or C	ICP-AES) µg/wipe	
11.10 502.10	Wipe is assumed	SW846-7000B/7	010	Graphite Furnac			/5 µg/wipe	
TCLP		SW846-1311/7000B/S			0.4 mg/L (ppm)		- - -	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	SW846-1131/SW846-6					ng/L (ppm)	-
Soil		SW846-7000		Flame Atomic Absorption Graphite Furnace AA		40 mg/kg (ppm) 0.3 mg/kg (ppm)		
		SW846-7010 SW846-6010B		ICP-AES	2 mg/kg (ppm)			
		SM3111B/SW846-		Flame Atomic Absorption		0.4 mg/L (ppm)		
Wastewater	Unpreserved	EPA 200.9	Graphite Furnace AA		0.003 mg/L (ppm)			
Preserved wi	th HNO₃ pH < 2 □	EPA 200 7		ICP-AES		0.020 mg/L (ppm)		
Drinking Wat	er Unpreserved	EPA 200 9	Graphite Furnace AA		e AA		mg/L (ppm)	
	th HNO ₃ pH < 2 🗍	EPA 200.8	ICP-MS			0 001 mg/L (ppm)		
TSP/SPM Filt	or.	40 CFR Part				12 µg/filter		
	.01	40 CFR Part	50	Graphite Furnac	e AA	3.1	8 µg/filter	
Other:				ture of Sampler			(1.) (4)	<u> </u>
Name of Sam			Signa	Volume/Area	-		Date/Time	
Sample #	Locati		-	860L	<u> </u>		3/31/15 9:0	
S373	10th FI below C						3/31/15 9:06am 4:16pm	
S374	9th FI below Ci		<u> </u>	860L				
S375	(b)(4) Inside					3/31/15 9:25		
S376	14th Fl Above		840L			3/31/15 9:20		
S377 13th FI Outside the Decon				840L			3/31/15 9:21	am 4:21pm
Client Samp	le#'s 53 <u>73 -53</u>	79 SCGW 165			I # of S	ampl <u>es</u>		
Relinquished	d (Client); (b)(4)	/ Date:	3/31/	/15	Time:		5:30 pm	
Received)ate:	4	4/2/15	Time:	10:	24am	
Comment				7				
	!							
1								





EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE (407) 599-5887

FAX (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S378	12th Fl Below the Decon	840L	3/31/15 19:22am 4 22pm
S379	Blank	QA/QC	3/31/15 1
SCGW165	Inside 13th Fl Clean Room	12X12	3/31/15
SCGW166	Outside 13th Fl Clean Room	12X12	3/31/15
	τ.	VVIII VIII VIII VIII VIII VIII VIII VI	
]
Constants (So			
comments/Sp	ecial Instructions:		

 $\mathsf{Page}\, \underline{2} \quad \mathsf{of}\, \underline{2} \quad \mathsf{pages}$



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax:

(813) 623-6702 04/03/15 9:31 AM

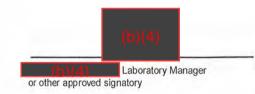
Received: Collected:

4/1/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed		Volume	RDL	Lead Concentration	
S388 341503227-0001	4/1/2015 Site:	4/3/2015 b)(4)	1248 L HPA Grinding 11th FI Outside	3.2 μg/m³	<3.2 μg/m³	
S390 341503227-0002	4/1/2015 Site: Blank	4/3/2015	0 L	4.0 μg/filter	<4.0 µg/filter	

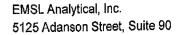
For project Stennis B1 B2 Test Stand sample number S388 was found to have notable blowback, Sample analyzed.



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/03/2015 16:20:22





Lead (Pb) Chain of Custody EMSL Order ID (Leb Use Only):

	ENGL OIGH ID (Lab use Oil	uy).
_		
	(b)(4)	

Orlando, FL 32804 PHONE (407) 599-5887 FAX: (407) 599-9063

·						East Dill		Differ	ent / Same			
Company: OHC Environmental Engineering, Inc.					EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**							
Street: 5420 Ba	Street: 5420 Bay Center Drive Suite 100					Third Party Billing requires written authorization from third party						
City: Tampa	State/Province: FL					l Code: 33609		C	ountry: United	States		
Report To (Nan	ne): (b)(4)					e#: 813-626-81	56					
Email Address					Fax #: 8	13-623-6702			urchase Order:			
Project Name/N	lumber: Stennis	B1 B2 T	est Stand		Please Pr	ovide Results:	FAX		E-mail	Mail		
	ples Taken: MS				CT Sampl	les: 🗌 Commerci	al/Taxab	le 🗌 F	Residential/Tax	Exempt		
		Tu	rnaround Ti	me (TA		s* - Please Che						
☐ 3 Hour	☐ 6 Hour	2 4		48 Hour		Hour 🗌 96				2 Week		
	*Analysis	completed			L's Terms ar	nd Conditions located		ce Guide)			
	Matrix		N	lethod		Instrumer	ıt	<u></u>	orting Limit	Check		
Chips ☐ % by	wt. 🗌 mg/cm² 📗	ppm	SW	346-7000B	1	Flame Atomic Abs	orption		0.01%			
Air 24 hr.				OSH 7082		Flame Atomic Abs			µg/filter			
<u> </u>				OSH 7105		Graphite Furnac			3 µg/filter	┝╌╞╣╌╢		
			NIOSH	7300 mod	ıfied	ICP-AES/ICP-			5 μg/filter	┝╌╞╣┈╌╢		
Wipe*	ASTM		SW	846-7000E	3	Flame Atomic Abs	orption) µg/wipe	<u> </u>		
*if no box is	non ASTM checked, non-ASTM			6-6010B o		ICP-AES	- ^ ^) µg/wipe			
	Wipe is assumed			5-7000B/70		Graphite Furnace AA			75 µg/wipe			
TCLP			SW846-1311/7000B/SM 3111E SW846-1131/SW846-6010B or			Flame Atomic Absorption ICP-AES		0.4 mg/L (ppm) 0.1 mg/L (ppm)				
Soil			SW846-7000B			Flame Atomic Abs	orption	40 mg/kg (ppm)				
3011			SW846-7010			Graphite Furnac			ng/kg (ppm)			
			SW84	6-6010B o	r C	ICP-AES		2 mg/kg (ppm)				
			SM3111B/SW846-7		7000B	Flame Atomic Absorption			ng/L (ppm)			
Wastewater	Unpreserved		E	PA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)				
Preserved wit	th HNO ₃ pH < 2		EPA 200 7			ICP-AE\$		0.020 mg/L (ppm)				
	er Unpreserved			PA 200.9		Graphite Furnac	e AA		3 mg/L (ppm)	│─ ┤		
Preserved wi	th HNO ₃ pH < 2			PA 200.8		ICP-MS			1 mg/L (ppm)	 		
TSP/SPM Filt	er			FR Part 5		ICP-AES Graphite Furnace AA		12 µg/filter 3.6 µg/filter		\vdash		
<u> </u>			400	FR Part 5	U	Grapinie Furnac	.6 7//	<u> </u>	o pg/mici			
Other:	(1.2.1.2)				1 6:				(b)(4)			
Name of Sam	pler: (D)(4)				Signa	ture of Sampler Volume/Are		9	Date/Time S	Sampled		
Sample #		Locati					<u> </u>		4/1/15 6:31a			
S388	(b)(4)	<u></u>	irinding 11th F			1248L						
S389	(b)(4) (HPA		ing on 11th fl.	Outside	Void				4/1/15 8:50			
S390		Blan	k						4/1/	15		
				~~~					-			
Client Sampl	e#'s 5388		390			Tota	# of S	amples	3: 3			
		(h)(4)	,	Date:	4/1/1		Time:		5:30 pm			
Relinquished	i (Augur)			ate:	4	1/3/15	Time:	9:3	lam			
Received Commen				ale.	//		1 111101		<u></u>			
Johnnen .												
1												



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc.

5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

Fax: (813) 623-6702 04/03/15 9:31 AM Received:

(813) 626-8156

Collected: 4/2/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	CampleDescription Collected Analyzed Volume		RDL	Lead Concentration
S380 341503224-0003	4/2/2015 4/3/2015 Site: 10th FI Below Criti	932 L cal Barrier	4.3 μg/m³	<4.3 μg/m³
S381 341503224-0004	4/2/2015 4/3/2015 Site: 9th FI Below Critic	932 L al Barrier	4.3 μg/m³	<4.3 μg/m³
S382 341503224-0005	4/2/2015 4/3/2015 Site (5)(4) Insid	996 L e Containment Grit Clean up	4.0 μg/m³	<4.0 μg/m³
S383 341503224-0006	4/2/2015 4/3/2015 Site: 14th FI Above the I	1022 L Decon	3.9 µg/m³	<3.9 µg/m³
S384 341503224-0007	4/2/2015 4/3/2015 Site: 13th FI Outside the	1022 L Decon	3.9 µg/m³	<3.9 μg/m³
S385 341503224-0008	4/2/2015 4/3/2015 Site: 12th FI Below the I	1022 L Decon	3.9 µg/m³	<3.9 μg/m³
S386 341503224-0009	4/2/2015 4/3/2015 Site: Blank	0 L	4.0 μg/filter	<4.0 µg/filter
S387 341503224-0010	4/2/2015 4/3/2015 Site: at the Duct Collecto	1110 L	3.6 µg/m³	<3.6 µg/m³



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested, Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/03/2015 16:16:25



### Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only)
(b)(4)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

										1101 (407) 0	<del>70 0000</del>
	lC Environmental				EMSL-Bill to: Different  Same If Bill to is Different note instructions in Comments**						
Street: 5420 E	5420 Bay Center Drive Suite 100					Third Party Billing requires written authorization from third party					
City: Tampa	State/Province: FL				Zip/Postal Code: 33609 Country: United States						
Report To (Na	me): (b)(4)				Telephor	e#: 813-	626-81	156			
Email Address		(b)(4	.)		Fax#: 8	313-623-6	702		F	urchase Order	,
Project Name/	Number: Stennis	B1 B2 7	Test Stand		Please P	rovide Res	sults:	FA:	X 🗸	E-mail	Mail
	ples Taken: MS				CT Samp	les: 🗌 Co	mmerc	ial/Taxal	ble 🗌	Residential/Tax	Exempt
		Tu	rnaround	Time (TA							
☐ 3 Hour	■ 6 Hour	<b>2</b> 4	Hour	☐ 48 Hour	72	2 Hour	□ 96	Hour		1 Week	2 Week
		complete	d in accordar		L's Tems a	nd Condition	is locate	d in the Pi			,,,,,
	Matrix			Method		Ins	trume	nt	Rep	orting Limit	Check
Chips ☐ % b	/ wt. ☐ mg/cm² ☐	] ppm	S	W846-7000E	3	Flame At	omic Ab	sorption		0.01%	
Air 24 hr.				NIOSH 7082		Flame At		•		4 µg/filter	<b>4</b>
				NIOSH 7105		··· · · · · · · · · · · · · · · · · ·	te Furna			03 µg/filter	
				SH 7300 mod			AES/ICP			5 μg/filter	
Wipe* Chr.	ASTM non ASTM			W846-7000E		Flame At		sorption		0 μg/wipe	<b>3</b>
	checked, non-ASTM	Ш		846-6010B o 846-7000B/7			CP-AES			0 μg/wipe	
TCLP	Wipe is assumed				**		te Furna			75 µg/wipe	<del>-  -  -  </del> -  -
ICLP			SW846-1311/7000B/SM 3111B SW846-1131/SW846-6010B or C		Flame Atomic Absorption ICP-AES		0.4 mg/L (ppm) 0.1 mg/L (ppm)		$-$ H $^{-1}$		
Soil			SW846-7000B			Flame At		sorption	40 mg/kg (ppm)		
			SW846-7010			Graphite Furnace AA		0.3 mg/kg (ppm)			
			SW	846-6010B o	r C	IC	CP-AES		2 mg/kg (ppm)		
Wastewater	Unpreserved		SM3111B/SW846-7000B		7000B	Flame Atomic Absorption		0.4 mg/L (ppm)			
	th HNO ₃ pH < 2	<b>=</b>	EPA 200.9		Graphite Furnace AA ICP-AES		0.003 mg/L (ppm)				
	er Unpreserved	n	EPA 200 7			Graphite Furnace AA		0.020 mg/L (ppm) 0 003 mg/L (ppm)			
	th HNO ₃ pH < 2	H	EPA 200.9 EPA 200.8			ICP-MS		0.001 mg/L (ppm)			
TSP/SPM File			40 CFR Part 50		0	ICP-AES		12 µg/filter			
	J&I		40	OFR Part 5	0	Graphite Furnace AA		3 6 µg/filter			
Other:											
Name of Sam	pler: (b)(4)				Signa	ture of S				(b)(4)	
Sample #		Location	on			Volun	ne/Are	<b>a</b> /		Date/Time S	ampled
S380	10th FI be	low Cr	ritical Bar	rier		93	32L (			4/1/15 8:01ar	n 4·15pm
S381	9th FI bel	ow Cri	tical Barı	ier		93	32L			4/1/15 8 [.] 02ar	n 4:16pm
S382	(b)(4) / Inside Containment Grit Clean-up				99	96L			4/1/15 8.22ar	n 4:40pm	
S383	14th Fl Above the Decon				10	22L			4/1/15 8:10ar	n 4:41pm	
S384 13th FI Outside the Decon			10	22L			4/1/15 8:11ar	n 4:42pm			
Client Sampl	e#'s 53€w	- 58	787	SCEW	167 -5C	EW168	Tota	# of Sa	amples	s: 10	
Relinquished	l (Client);		,	Date:	4/2/1	5		Time:		5:30 pm	
Received (I	(b)			ate:	4	13/15		Time:	1:3	lam	
Comments	1				·						



LE	AD (Pb) CHAIN OF CUSTODY
	EMSL ORDER ID (Lab Use Only)
	0.270

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887

Fax. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S385	12th Fl Below the Decon	1022L	4/1/15 8:12am 4:43pm
S386	Blank	QA/QC	4/1/15
S387	At the Dust Collector	1110L	4/1/15 7:50am 5:05pm
SCGW167	Inside 13th Fl Clean Room	12X12	4/1/15
SCGW168	Outside 13th Fl Clean Room	12X12	4/1/15
			·
	·	**************************************	
Comments/Sp	ecial Instructions:		

Page 2 of 2 pages



5125 Adanson Street, Suite 900, Orlando, FL 32804 (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

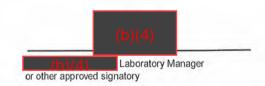
04/03/15 9:31 AM

Collected:

4/2/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration	
SCGW167	4/2/2015	4/3/2015	144 in²	10 μg/ft²	26 µg/ft²	
341503224-0001	Site: Inside 1	13th FI Clear	Room			
SCGW168	4/2/2015	4/3/2015	144 in²	10 μg/ft²	<10 µg/ft²	
341503224-0002	Site: Outside	e 13th FI Cle	an Room			



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/03/2015 12:16:57



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

								(407)		
	HC Environmenta			EMSL-Bill to: Different  Same If Bill to is Different note instructions in Comments**						
Street: 5420 I	Bay Center Drive	Suite 10	00	Third Party Billing requires written authorization from third party						
City: Tampa		State/P	Province: FL	Zip/Postal Code: 33609 Country: United States						
Report To (Na	me): (b)(4)			Telephor	ne #: 813-626-	B156				
Email Addres		(b)(4	()	Fax #:	813-623-6702			Purchase Order		
Project Name	Number: Stennis	B1 B2	Test Stand	Please P	rovide Results:	FA:			Mail	
	nples Taken: MS				oles: 🔲 Comme	rcial/Taxa	ble 🔲	Residential/Tax	Exempt	
		Τι	urnaround Time (TA							
3 Hour	■ 6 Hour	<b>2</b> 4				96 Hour		1 Week	2 Week	
		complete	d in accordance with EMS	SL's Tems a						
Obina Dwa	Matrix		Method	<del></del>	Instrum		Rep	orting Limit	Check	
	y wt. 🔲 mg/cm² 📗	_  ppm	SW846-70008	В	Flame Atomic A	bsorption		0.01%		
^{Air} 24 hr.			NIOSH 7082		Flame Atomic A	·	<u> </u>	4 μg/filter		
		ļ	NIOSH 7105		Graphite Furr	*****		03 µg/filter		
	***************************************		NIOSH 7300 mod	<del></del>	ICP-AES/IC			5 μg/filter		
Wipe* Ghr.	ASTM non ASTM		SW846-7000E		Flame Atomic A			0 μg/wipe	<b>3</b>	
	checked, non-ASTM Wipe is assumed	اسا	SW846-6010B o		ICP-AE			.0 μg/wipe		
TCLP	ANDA 19 YGGHILIAN		SW846-7000B/7		Graphite Furn		0.075 μg/wipe			
I CLF			SW846-1131/SW846-6			0.4 mg/L (ppm) 0.1 mg/L (ppm)				
Soil			SW846-7000E		Flame Atomic Absorption		40 mg/kg (ppm)			
	•		SW846-7010		Graphite Furn	i	0.3 mg/kg (ppm)			
	Manager 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1		SW846-6010B o		ICP-AE		2 mg/kg (ppm)			
Wastewater	Unpreserved		SM3111B/SW846-7	7000B	Flame Atomic A		0.4 mg/L (ppm)			
Preserved w	ith HNO₃ pH < 2		EPA 200.9 EPA 200 7		Graphite Furnace AA ICP-AES		0.003 mg/L (ppm) 0.020 mg/L (ppm)			
Drinking Wa	ter Unpreserved		EPA 200.9		Graphite Furnace AA		0 003 mg/L (ppm)			
	ith HNO ₃ pH < 2		EPA 200.8		ICP-MS		0.001 mg/L (ppm)			
TSP/SPM Fil	fer		40 CFR Part 5		ICP-AES		12 µg/filter			
			40 CFR Part 5	0	Graphite Furnace AA		3 6 µg/filter			
Other:										
Name of San	npler: (b)(4)			Signa	ture of Sample			(b)(4)		
Sample #	400 50	Locatio		-	Volume/Ar	ea		Date/Time S		
\$380			ritical Barrier		932L			4/1/15 8:01ar		
S381	9th Fl bel	low Cri	tical Barrier		932L			4/1/15 8·02ar	n 4:16pm	
\$382	(b)(4) Insi	ide Conta	ainment Grit Clean-up		996L			4/1/15 8.22an	n 4:40pm	
S <b>3</b> 83	14th Fl Above the Decon				1022L			4/1/15 8:10ar	n 4:41pm	
S384	13th FI C	)utside	the Decon		1022L			4/1/15 8:11ar	n 4:42pm	
Client Samp	e#'s   <b>53</b> €⊘	· S &	BT SCEW!	167 -5C	EW168 Tot	al # of Sa	mples	10		
Relinquished	l (C <u>l</u> ient);		Date:	4/2/15	5	Time:		5:30 pm		
Received (I			Date:	4	13/15	Time:	1:31	am		
Comments					,					
									1	



### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled		
S385	12th Fl Below the Decon	1022L	4/1/15 8:12am 4:43pm		
S386	Blank	QA/QC	4/1/15		
S387	At the Dust Collector	. 1110L	4/1/15 7:50am 5:05pm		
SCGW167	Inside 13th Fl Clean Room	12X12	4/1/15		
SCGW168	Outside 13th Fl Clean Room	12X12	4/1/15		
	· · · · · · · · · · · · · · · · · · ·				
		<u> </u>			
Comments/Sp	ecial Instructions:				

Page 2 of 2 pages

	National Aeronautics and						DATE		April 8, 2015		
	Space Administration	DATE		April 6, 2013							
NASA	John C. Stennis Space Center	<b>RACTOR</b>	t TRAN	SMITTAI	LSHEE	. <b>T</b>					
	Stennis Space Center, MS 39529-6000					ļ	1	SHEET OF	1		
	SECTION I - REQUEST FO	OR APPRO	VAL (To	be Initiate	d by the	· Contractor	<del>,                                    </del>				
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,	MATERIAL S	SAMPLES, C	R	CON	TRACT NO.	X NEW SUBMITTAL				
	MANUFACTURER'S CERTIFICATES OF COM	√PLIANCE	•		NNS14AA30T		***************************************				
	(See Instructions on Reverse)				ININO	14AA3U1	0 RESUBMITTA		AL		
ТО	FROM			PREVIOUS TR	(ANSMITT/	AL NO. (If Any)	TRANSMITTAL NO.				
(b)(·	4) HARRY PEPPER & ASS				0		337				
	ION AND SECTION NO. (Cover Only One Section With Each Ti			ITLE AND LOCA							
200H0-GA	04 01 82 33.13 Area & Wipe Samples 4-2-1	5 & 4-6-15	<u> </u>		SL430WFF	B00-03 SOFT CO					
1750.4	DESCRIPTION OF ITEM SUBMITTED					CONTRACT REF		VARIATION	1		
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURER OF ITEM			NO OF COPIES	DOCUM	1	(See	CODE		
NO.	(See Instruction No. 3)	(See Instruction No. 8)			COPIES	SPECIFICATION PARAGRAPH NO.	DRAWING SHEET NO.	Instruction No. 6)	(See Instruction No. 9		
(a)	(b)	<u> </u>	(c)		(d)	(e)	(f)	(g)	(h)		
1	WipeSamples Collected 4-2-15	ОНС			3	3.4.1.1.c	-				
2	Area Samples Collected 4-2-15	онс			3	3.4.1.1.c			_		
3	Area Samples Collected 4-6-15	онс			3	3.4.1.1.c	_	_	_		
4	WipeSamples Collected 4-6-15	ОНС			3	3.4.1.1.c	_	-	-		
-	-			_	-	-	_	-			
_	-			-	-	-	_		-		
-	-			_		-	_		-		
_				-		-	-		-		
REMARKS:	3 Hard Copies included.					t the above submitt re correct and in sti					
						specifications exce					
						NAME AND SI	GNATURE O	F CONTRACTO	DR		
	SEC	TION II -	APPROV	AL ACTION	1						
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, TITL	E, AND SIGI	NATURE OF A	PPROVING	AUTHORITY	DATE				
	l l										
	,	1									



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received: 04/06/15 8:47 AM

Collected: 4/2/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed Area Sampled	RDL	Lead Concentration
SCGW169 341503259-0001	4/2/2015 4/6/2015 144 in ² Site: 13th FI Clean Room	10 µg/ft²	16 µg/ft²
SCGW170 341503259-0002	4/2/2015 4/6/2015 144 in² Site: Outside 13th FI Clean Room	10 µg/ft²	<10 µg/ft²



"Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/tt2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/tt² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/06/2015 11:53:37

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



## Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE (407) 599-5887 FAX: (407) 599-9063

			(6)(	7)				FAX. (407) 5	99-9063	
Company : Ol	EMSL-Bill to: Different  Same If Bill to is Different note instructions in Comments**									
Street: 5420 Bay Center Drive Suite 100			Third Party Billing requires written authorization from third party							
City: Tampa	State/Province: FL				al Code:			Country: United		
Report To (Na	ame): (b)(4)			Telephor	ne #: 813	-626-8156				
Email Address	s:	(b)(4	I)		813-623-6			Purchase Order	1	
Project Name	Number: Stennis	B1 B2	Test Stand	Please P	rovide Re	sults: FA				
	nples Taken: MS						ble 🗍	ole ☐ Residential/Tax Exempt		
		Τι	urnaround Time (TA				****			
☐ 3 Hour	■ 6 Hour	_	Hour 48 Hour	. —	2 Hour	🗌 96 Hour		1 Week	2 Week	
		complete	ed in accordance with EMS	L's Terms a						
China Eliva	Matrix		Method			strument	Reporting Limit		Check	
	y wt. 🔲 mg/cm² 📗	□ ppm	SW846-7000E	3	Flame A	tomic Absorption		0.01%		
Air 24 hr.		!	NIOSH 7082		Flame A	tomic Absorption		4 μg/filter		
<u> </u>			NIOSH 7105		<del></del>	ite Furnace AA		03 µg/filter		
			NIOSH 7300 mod			AES/ICP-MS		).5 µg/filter		
Wipe* 6hr.			SW846-7000E			Flame Atomic Absorption		0 µg/wipe		
*if no box is	non ASTM schecked, non-ASTM		SW846-6010B or C		ICP-AES		1.0 µg/wipe			
	Wipe is assumed		SW846-7000B/7010		Graphite Furnace AA		0.075 μg/wipe			
TCLP			SW846-1311/7000B/S	~			0.4 mg/L (ppm)			
Soil			SW846-1131/SW846-6010B or C SW846-7000B		ICP-AES Flame Atomic Absorption		0.1 mg/L (ppm) 40 mg/kg (ppm)			
3011			SW846-7010		Graphite Furnace AA			ng/kg (ppm) mg/kg (ppm)		
<u></u>			SW846-6010B or C		ICP-AES		2 mg/kg (ppm)			
Wastewater Unpreserved			SM3111B/SW846-7000B		Flame A	tomic Absorption	0.4	mg/L (ppm)		
	ith HNO ₃ pH < 2		EPA 200.9				0.003 mg/L (ppm)			
			EPA 200.7		ICP-AES Graphite Furnace AA			0 mg/L (ppm)	┟╼┾╅╼┩	
Drinking Water Unpreserved ☐ Preserved with HNO ₃ pH < 2 ☐		EPA 200 9 EPA 200.8		ICP-MS		0 003 mg/L (ppm) 0.001 mg/L (ppm)				
TSP/SPM Fil			40 CFR Part 50		ICP-AES		12 µg/filter			
	ter		40 CFR Part 50		Graphite Furnace AA		3.6 µg/filter			
Other:										
Name of San	npler: (b)(4)			Signa	ture of S					
Sample #		Location	on	Volume/Area				Date/Time S	ampled	
S391	(R	C)/ Grin	ding 11th Fl Outside	872L				4/2/15 9:32am 4:48pm		
S392	( <mark>b)(4)</mark>	/ Gougir	ng on 11th fl Outside	872L				4/2/15 9:31am 4:47pm		
S393	Outside by	y the D	oust Collector	950L				4/2/15 9:00am 4:55pm		
S394	10th FI be	elow Cr	ritical Barrier	858L				4/2/15 9:14am 4:23pm		
S395			itical Barrier		8	58L		4/2/15 9.15ar	n 4:24pm	
Client Sampl	le #'s   5391	- 54	ou scawiba	SCOW	170	Total # of Sa	mple	s: /2		
Relinquished	i (Client):	b)(4)	/ Date:	4/2/15	5	Time:		5:30 pm		
Received			Date:	4	1/6/19	Time: {	7:4	7am		
Comment				-	7-7-		<i>I</i>			
	-									



### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887

FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

S396 (b)(4) prep inside the south containment 846L S397 14th fl above the decon 848L S398 13th fl outside the decon 848L S399 12th fl below the decon 848L S400 Blank QA/QC SCGW169 13th fl clean room SCGW170 Outside 13th fl clean room	4/2/15 9:25am 4:28pm 4/2/15 9:23am 4:27pm 4/2/15 9:24am 4:28pm
S398 13th fl outside the decon 848L S399 12th fl below the decon 848L S400 Blank QA/QC SCGW169 13th fl clean room	
S399 12th fl below the decon 848L S400 Blank QA/QC  SCGW169 13th fl clean room	4/2/15 9:24am 4:28pm
S400 Blank QA/QC scgw169 13th fl clean room	
scgw169 13th fl clean room	4/2/15 9:25am 4:29pm
	4/2/15
SCGW170 Outside 13th fl clean room	4/2/15
	4/2/15
Comments/Special Instructions:	

Page	of	pages
i ayo		payes



5125 Adanson Street, Suite 900, Orlando, FL 32804 (407) 599-5887 / (407) 599-9063 Phone/Fax http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

(813) 626-8156

(813) 623-6702

4/2/2015

04/06/15 8:47 AM

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Phone:

Received:

Collected:

Fax:

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S391 341503259-0003	4/2/2015 4/6/2015 872 L Site: (1) (2) RC Grinding 11th FI Outside		4.6 μg/m³	5.2 µg/m³	
S392 341503259-0004	4/2/2015 Site: (b)	4/6/2015 (4) RC Gou	872 L uging on 11th FI Outside	4.6 μg/m³	<4.6 μg/m³
S393 341503259-0005	4/2/2015 Site: Outsid	4/6/2015 de by Dust Col	950 L lector	4.2 μg/m³	<4.2 μg/m³
S394 341503259-0006	4/2/2015 Site: 10th F	4/6/2015 I Below Critica	858 L Il Barrier	4.7 μg/m³	<4.7 µg/m³
S395 341503259-0007	4/2/2015 Site: 9th FI	4/6/2015 Below Critical	858 L Barrier	4.7 μg/m³	<4.7 μg/m³
S396 341503259-0008	4/2/2015 Site:	4/6/2015 b)(4)	846 L Prep Inside the South Containment	4.7 μg/m³	<4.7 μg/m³
S397 341503259-0009	4/2/2015 Site: 14th F	4/6/2015 I Above the De	848 L econ	4.7 μg/m³	<4.7 μg/m³
S398 341503259-0010	4/2/2015 Site: 13th F	4/6/2015 I Outside the D	848 L Decon	4.7 μg/m³	<4.7 μg/m³
S399 341503259-0011	4/2/2015 Site: 12th F	4/6/2015 I Below the De	848 L con	4.7 μg/m³	<4.7 μg/m³
S400 341503259-0012	4/2/2015 Site: Blank	4/6/2015	0 L	4.0 µg/filter	<4,0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "c" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/06/2015 11:59:41

EMEL ANALYTICAL, INC.

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE (407) 599-5887 FAX. (407) 599-9063

OHC Environmental Engineering Inc			EMSL-Bill to: Different / Same								
Company: OHC Environmental Engineering, Inc. Street: 5420 Bay Center Drive Suite 100				If Bill to is Different note instructions in Comments**							
	Bay Center Drive		<del></del>	Third Party Billing requires written authorization from third party							
City: Tampa	State/Province: FL				Zip/Postal Code: 33609 Country: United States						
Report To (Na	me): (b)(4)			Telepho	ne #: 813-626-8	156					
Email Addres	<del></del>	(b)(4	<b>!</b> )	Fax #:	813-623-6702		F	urchase	Order	:	
Project Name	/Number: Stennis	B1 B2	Test Stand	Please P	rovide Results:	FA	X v	∠E-mail		Mail	
U.S. State Sai	nples Taken: MS	W			oles: 🗌 Commer		ble 🔲	Residenti	al/Tax	Exemp	٥ŧ
 	7		rnaround Time (TA			eck					
☐ 3 Hour	@ 6 Hour	24	• <del>-</del>			6 Hour		1 Week		2 Week	(
	Matrix	complete	d in accordance with EMS Method	SL's Terms a	Instrume			<del>/e</del> orting Li	mit	Chec	.le
Chips □ % t		ppm	SW846-7000	E .			1/6		IIIIL	Cileo	'n.
	,				Flame Atomic At		0.01%				
Air 24 hr.			NIOSH 7082		Flame Atomic At			4 µg/filter			
			NIOSH 7105		Graphite Furna			03 µg/filte			
Min at / 1			NIOSH 7300 mod SW846-7000		ICP-AES/ICP	***************************************	_	.5 µg/filte			_
Wipe* (phr.	ASTM non ASTM		SW846-6010B		Flame Atomic Absorption		10 μg/wipe				
*if no box is	checked, non-ASTM Wipe is assumed	_	SW846-7000B/7010		ICP-AES		1.0 µg/wipe				_
TCLP			SW846-1311/7000B/SM 3111B		Graphile Furnace AA		0.075 μg/wipe			<u> </u>	_
l CLP			SW846-1131/SW846-6010B or C		Flame Atomic Absorption ICP-AES		0.4 mg/L (ppm) 0.1 mg/L (ppm)			$\dashv$	
Soil		SW846-7000B		Flame Atomic Absorption		40 mg/kg (ppm)		H	ᅱ		
		SW846-7010		Graphite Furnace AA		0.3 mg/kg (ppm)					
		SW846-6010B or C		ICP-AES		2 mg/kg (ppm)					
Wastewater Unpreserved ☐ Preserved with HNO₃ pH < 2 ☐		SM3111B/SW846-7000B EPA 200.9		Flame Atomic Absorption Graphite Furnace AA		0.4 mg/L (ppm)			_		
Preserved w	ith HNO₃ pH < 2		EPA 200.9 EPA 200.7		ICP-AES		0.003 mg/L (ppm) 0.020 mg/L (ppm)				
Drinking Wa	ter Unpreserved		EPA 200 9		Graphite Furnace AA			3 mg/L (pp		一十	ᅱ
Preserved w	ith HNO₃ pH < 2		EPA 200.8		ICP-MS		0.001 mg/L (ppm)				
TSP/SPM Fil	ter		40 CFR Part 50		ICP-AES		12 µg/filter				
Other:			40 CFR Part 50		Graphite Furnace AA		3.6 µg/filter				
	anlar (b)(4)			O.							_
Name of San Sample #	ipier: (D)(4)	Locatio		Signa	ture of Sample		****	D ( . 6			
S391	(D)			Volume/Area 872L				Date/Ti			
	(b)(4)		ding 11th Fl Outside					4/2/15 9:32am 4:48pm			m
S392	RC)	/ Gougir	g on 11th fl Outside	872L				4/2/15 9:31am 4:47pm			m
S393	Outside by	the D	ust Collector	950L 4/2				4/2/15 9	4/2/15 9:00am 4 ⁻ 55pm		m
S394	10th FI be	low Cr	itical Barrier	858L				4/2/15 9:14am 4:23pm			mı
S395	S395 9th FI below Critical Barrier				858L			4/2/15 9	.15an	n 4:24p	m
Client Sampl	e#'s   <b>53</b> 91	- 54	SCGW169	SCOW	/70 Tota	I # of Sa	mples	: 12			一
Relinquished	l (Client):	0)(4)	, Date:	4/2/18		Time:		5:30 pn	n		
Received			)ate:	4	1/4/15	Time: 8	/ _/				$\neg$
Comment								<u></u>			
L											

OrderID: (6)(4)



# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S396	(b)(4) prep inside the south containment	846L	4/2/15 9:25am 4:28pm
S397	14th fl above the decon	848L	4/2/15 9:23am 4:27pm
S398	13th fl outside the decon	848L	4/2/15 9:24am 4:28pm
S399	12th fl below the decon	848L	4/2/15 9:25am 4:29pm
S400	Blank	QA/QC	4/2/15
SCGW169	13th fl clean room		4/2/15
SCGW170	Outside 13th fl clean room		4/2/15
	·		
Comments/Spe	cial Instructions:	•	

Page	of	aanen
rage	Oi.	pages



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Phone: Fax: Received: (813) 626-8156 (813) 623-6702 04/07/15 8:53 AM

Collected:

4/6/2015

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S401 341503307-0003	11/2010 000 E		4.0 μg/m³	<4.0 μg/m³	
S402 341503307-0004	4/6/2015 Site: 10th F	4/7/2015 I Below Critica	990 L al Barrier	4.0 μg/m³	<4.0 µg/m³
S403 341503307-0005	4/6/2015 Site: 9th FI	4/7/2015 Below Critical	990 L Barrier	4.0 μg/m³	<4.0 μg/m³
S404 341503307-0006	4/6/2015 Site: 14th F	4/7/2015 I Above the De	920 L econ	4.3 μg/m³	<4.3 µg/m³
S405 341503307-0007	4/6/2015 Site: 13th F	4/7/2015 I Outside the I	920 L Decon	4.3 μg/m³	<4.3 µg/m³
S406 341503307-0008	4/6/2015 Site: 12th F	4/7/2015 I Below the De	940 L econ	4.3 μg/m³	<4.3 μg/m³
S407 341503307-0009	4/6/2015 Site: (b)	4/7/2015 (4) ADS II	900 L nside South Containment	4.4 μg/m³	<4.4 μg/m³
S408 341503307-0010	4/6/2015 Site: (b	4/7/2015 )(4) HPA	960 L Gouging 11th Fl Outside	4.2 μg/m³	<4.2 μg/m³
S409 341503307-0011	4/6/2015 Site: Blank	4/7/2015	0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m². OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise. Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/07/2015 13:32:02

5125 Adanson Street, Suite 90



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE (407) 599-5887 FAX (407) 599-9063

									170 (407) 3	
Company : OF	IC Environmenta	l Engine	ering, Inc.			EMS if Bill to	SL-Bill to: is Different note	Diffe:	rent / Same in Comments**	:
Street: 5420 B	ay Center Drive	Suite 10	0		Third Party Billing requires written authorization from third party					
City: Tampa			rovince:	FL	Zip/Postal Code: 33609 Country: United States					
Report To (Na	me): (b)(4)				Telephor	ie #: 813-6	26-8156			
Email Address					Fax#: 8	313-623-67	702	F	urchase Order	1
Project Name/	Number: Stennis	B1 B2 7	est Stand		Please P	rovide Res	ults:	FAX 🗸	/ E-mail	Mail
	ples Taken: MS			-,,	CT Samp	les: Cor	nmercial/Ta	xable 🗌	Residential/Ta	x Exempt
		Tu	rnaround	Time (TA		s* - Pleas				
3 Hour	■ 6 Hour	<b>2</b> 4		48 Hour		2 Hour	☐ 96 Hou		,	] 2 Week
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide									T	
	Matrix			Method		Inst	rument	Rep	orting Limit	Check
	/wt. ☐ mg/cm² ☐	ppm	S	W846-7000	3	Flame Ato	mic Absorptio	n	0.01%	
^{Air} 24 hr.				NIOSH 7082			mic Absorptio		4 μg/filter	-
				NIOSH 7105			Furnace AA		03 µg/filter	
			<del></del>	SH 7300 mod			ES/ICP-MS		.5 µg/filter	
Wipe* 6 hr	ASTM non ASTM			W846-7000			mic Absorptio		0 μg/wipe	
*if no box is	checked, non-ASTM	الما		/846-6010B (			P-AES		0 µg/wipe	
TOLD	Wipe is assumed			846-7000B/7			Furnace AA		75 µg/wipe	
TCLP				311/7000B/S 131/SW846-6			mic Absorptio		mg/L (ppm) mg/L (ppm)	
Soil				W846-7000			mic Absorptio		ng/kg (ppm)	
		i		SW846-7010			Furnace AA		mg/kg (ppm)	
			SW	/846-6010B d	or C	IC	P-AES		ng/kg (ppm)	
Wastewater	Unpreserved	П	SM31	11B/SW846-	7000B		mic Absorptio		mg/L (ppm)	
Preserved wi	th $HNO_3$ pH < 2			EPA 200.9 EPA 200.7			P-AES		3 mg/L (ppm) 0 mg/L (ppm)	<b>  </b>
Drinking Wat	ter Unpreserved			EPA 200.9			Furnace AA		3 mg/L (ppm)	<del>-                                    </del>
	th HNO ₃ pH < 2	H		EPA 200.8	<u> </u>		P-MS		1 mg/L (ppm)	
TSP/SPM File			40	0 CFR Part 5	50	IC	P-AES		2 µg/filter	
	.er		4	0 CFR Part 5	i0	Graphite	Furnaçe AA	3	.6 µg/filter	
Other:			bakaro.	· · · · · · · · · · · · · · · · · · ·						
Name of San	pler: (b)(4)				Signa	ture of Sa				
Sample #		Location	on			-	e/Area		Date/Time	
S401	Outside	by Du	st Collect	tor		990			4/6/	15
S402	10th fl be	elow cr	itical barı	rier	.,,	990	<del>,</del>		4/6/	15
S403	9th fl be	low cri	tical barr	ier		990		<del></del>	4/6/	15
S404	14th	fl abov	e decon		920	440	70	O Cu	4/6/	15
S405	13th f	loutsio	de decon			920			<b>4</b> /6/	15
Client Sampl	e#'s <b>340</b> 1	- 54	# AIR	(WiPes	SCGWI	71- 132	Total # of	Samples	5: 10	
Relinquished	l (Client);		)	Date:	4.	6-, 15,	Tim	ie:	4:30 pm	
Received (L				æ:		4/7/18	Ž Tim	e: 8:5	3am	
Comments:						<i>f</i> {				
	1									

Page 1 of _2_ pages



# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887

FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

S408   (HPA)/ Crinding 11th fl Outside   960   4/6/15   S409   (HPA)/ Gouging 11th fl Outside   QA/QC   4/6/15   S410   Blank   QA/QC   4/6/15   SCGW171   13th fl clean room   12X12   4/6/15	Location	Volume/Area	Date/Time Sampled
8406       (HPA)/ Grinding 11th fl Outside       960       4/6/15         S409       (HPA)/ Gouging 11th fl Outside       4/6/15         S410       Blank       QA/QC       4/6/15         SCGW171       13th fl clean room       12X12       4/6/15	12th fl below decon		4/6/15
S409 (HPA)/ Gouging 11th fl Outside 4/6/15 S410 Blank QA/QC 4/6/15  SCGW171 13th fl clean room 12X12 4/6/15	(ADS)/ inside south containment	900	4/6/15
S409       (HPA)/ Gouging 11th fl Outside       4/6/15         S410       Blank       QA/QC       4/6/15         SCGW171       13th fl clean room       12X12       4/6/15	(HPA)/ Crinding 11th fi Outside	960	4/6/15
scgw171 13th fl clean room 12X12 4/6/15	(HPA)/ Gouging 11th fl Outside		4/6/15
	Blank	QA/QC	4/6/15
	·		
SCGW172 Outside 13th fl clean room 12X12 4/6/15	13th fl clean room	12X12	4/6/15
	Outside 13th fl clean room	12X12	4/6/15
<b>)</b>			
Comments/Special Instructions:	pecial Instructions:		
Comments/Sp		12th fl below decon (ADS)/ inside south containment (HPA)/ Grinding 11th fl Outside (HPA)/ Gouging 11th fl Outside Blank  13th fl clean room Outside 13th fl clean room	12th fl below decon (ADS)/ inside south containment (HPA)/ Crinding 11th fl Outside (HPA)/ Gouging 11th fl Outside Blank QA/QC  13th fl clean room 12X12 Outside 13th fl clean room 12X12



5125 Adanson Street, Suite 900, Orlando, FL 32804 (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

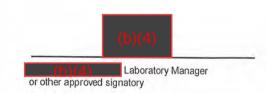
Fax: Received: (813) 623-6702 04/07/15 8:53 AM

Collected:

4/6/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration	
SCGW171 341503307-0001	4/6/2015 Site: 13th I	4/7/2015 I Clean Room	144 in²	10 µg/ft²	68 µg/ft²	
SCGW172 341503307-0002	4/6/2015 Site: Outsi	4/7/2015 de 13th FI Clea	144 in² an Room	10 µg/ft²	32 µg/ft²	



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft/2 x area sampled in ft/2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report met the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 04/07/2015 12:48:38

OrderID:

EMSL

EMBL ANALYTICAL, INC.

## Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE (407) 599-5887 FAX (407) 599-9063

Company: OHC Environmental Engineering, Inc.				EMSL-Bill to: Different  Same if Bill to is Different note instructions in Comments**							
	Bay Center Drive				Third Party Billing requires written authorization from third party						
City: Tampa		State/P	rovince: F	L	Zip/Postal Code: 33609 Country: United States						s
Report To (Na	me): (b)(4)				Telephone #: 813-626-8156						
Email Address		(b)(4	.)		Fax #: 813-623-6702 Purchase Order:						
Project Name/Number: Stennis B1 B2 Test Stand					Please P	rovide Results:	FA	κ 🔽	E-mail	Mail	
	nples Taken: MS				CT Samp	les: 🔲 Commerc	ial/Taxal	ole 🔲	Residential/Tax	Exen	npt
Turnaround Time (TA											
☐ 3 Hour	■ 6 Hour	<b>2</b> 4	Hour 4	48 Hou	r 🔲 7	2 Hour 🔲 96	Hour		Week	2 We	ek
		complete			SL's Terms a	L's Terms and Conditions located in the Price			كالمراج المراجع المتناق المتناق المتناق المتناق المتناق المتناق المتناق المتناق المتناق المتناق المتناق المتناق		
	Matrix Method				Instrume	nt	Rep	orting Limit	Che	eck	
	ps   % by wt.   mg/cm ²   ppm   SW846-7000B		В	Flame Atomic Ab	sorption		0.01%		]		
Air 24 hr.			NIO	SH 7082	!	Flame Atomic Ab	sorption	4	μg/filter	-	
				SH 7105		Graphite Furna			03 µg/filter		
			NIOSH 7	300 mod	dified	ICP-AES/ICP	-MS		5 μg/filter		
Wipe* 6 hr	ASTM	<b>#</b>	SW84	46-70001	B	Flame Atomic Ab	sorption		) µg/wipe		
*if no box is	non ASTM checked, non-ASTM		SW846-	-6010B c	or C	ICP-AES			0 µg/wipe		]
	Wipe is assumed		SW846-	7000B/7	010	Graphite Furna	ce AA		75 µg/wipe		
TCLP					Flame Atomic Ab		0.4 mg/L (ppm)				
Call			SW846-1131/S			ICP-AES			mg/L (ppm)		4
Soil		i		46-7000E 346-7010		Flame Atomic Ab Graphite Furna	•		ng/kg (ppm) ng/kg (ppm)	-	4
<del> </del>				-6010B		ICP-AES			ig/kg (ppili)	-	+
			SM3111B/			Flame Atomic Ab		0.4 mg/L (ppm)			<del></del>
Wastewater Preserved with	Unpreserved ith HNO ₃ pH < 2		EP/	A 200.9		Graphite Furna			mg/L (ppm)		<u> </u>
		 	EPA 200 7		ICP-AES		0.020	mg/L (ppm)		]	
	ter Unpreserved			A 200.9		Graphite Furna	ce AA		3 mg/L (ppm)		
Preserved W	ith HNO ₃ pH < 2		*****	A 200.8	· o	ICP-MS			1 mg/L (ppm)		4
TSP/SPM File	ter			R Part 5					2 µg/filter 6 µg/filter		<del>-</del>
Other:	<u> </u>		7001	TY GILO		Crapino Fana	00774	<u> </u>	o pgriitoi		┽┤
Name of San	mler (b)(4)			<del></del>	Signa	ture of Sample	p.:		(b)(4)		
Sample #	(D)(4)	Location	on		Joight	Volume/Are			Date/Time S	amp	led
S401	Outside		st Collector			990			4/6/1		-
S402	402 10th fl below critical barrier			,	990			4/6/1	5		
S403	9th fl be	9th fl below critical barrier				990			4/6/1	5	
S404	14th	fl abov	bove decon 920 940				o Cu	4/6/1	5		
S405 13th fl outside decon 920 4/6/15						5					
Client Samp	le#'s 3401	- S#	AIR (u	J'iPus	SC GW +	Tota	l # of Sa	amples	: 10		
Relinquished	d (Client);		.)	Date:	4-	6-, 15,	Time:		4:30 pm		
Received				te:	1	4/7/15	Time:	8:5	Bam		
Comments						1.1.	1		<u> </u>	•	
	-										

OrderID:



# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE. (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S406	12th fl below decon	940 900 100	4/6/15
S407	(ADS)/ inside south containment		4/6/15
9400	(HPA)/ Crinding 11th fl Outside		4/6/15
S409	(HPA)/ Gouging 11th fl Outside		4/6/15
<del>\$410</del>	Blank	QA/QC	4/6/15
SCGW171	13th fl clean room	12X12	4/6/15
SCGW172	Outside 13th fl clean room	12X12	4/6/15
Community			
Comments/Sp	ecial Instructions:		

	National Association and	-					DATE		April 15, 2015
	National Aeronautics and Space Administration						DATE		Aprii 15, 2015
NASA	John C. Stennis Space Center	RACTOF	₹ TRAN	SMITTA	L SHEE	.T		SHEET	
	Stennis Space Center, MS 39529-6000						1		1
	SECTION I - REQUEST FO	OR APPRO	OVAL (To	be Initiate	ed by the	2 Contractor	)		
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,		•		<del>,</del>	TRACT NO.	X	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COM	MPLIANCE	ŕ		NINIC	14AA30T		1	
	(See Instructions on Reverse)				Chini	14AA3U1	0	RESUBMITT.	AL
ΓΟ	FROM			PREVIOUS TR	RANSMITT	AL NO. (If Any)	TF	RANSMITTA	L NO.
(b)(	4) HARRY PEPPER & ASS				0			342	
	ION AND SECTION NO. (Cover Only One Section With Each T		PROJECT TI	ITLE AND LOC					
200H0-GA	04	ru 4-11-15 J			SL430WFI	B00-03 SOFT CO			
ITEM	DESCRIPTION OF ITEM SUBMITTED	NAANII	JFACTURER		NO OF	CONTRACT REF		VARIATION	ACTION CODE
NO.	(Type, Size, Model Number, etc.) (See Instruction No. 3)		Instruction		COPIES	SPECIFICATION		(See Instruction	I :
	, , , , , , , , , , , , , , , , , , ,	1500		140. 0)	COLIES	PARAGRAPH NO.	SHEET NO.	No. 6)	No. 9
(a)	(b)		(c)		(d)	(e)	(f)	(g)	(h)
1	Air Samples Collected 4-11-15	онс			3	3.4.1.1.c	-	-	
2	Air Samples Collected 4-10-15	ОНС			3	3.4.1.1.c	-	-	-
3	Wipe Samples Collected 4-10-15	онс			3	3.4.1.1.c	-	-	-
4	Wipe Samples Collected 4-11-15	онс			3	3.4.1.1.c	-	-	-
_	-			-	-	-	_	-	_
-	-			-	-	-	-	-	-
-	-			-	-	-	-	-	-
-	-			_		-	-	-	-
REMARKS:	3 Hard Copies included.					t the above submitt re correct and in str			
					l .	specifications. exce		100 11111111111111111111111111111111111	-
						NAME AND SI	GNATURE O	F CONTRACTO	)R
	SEC	CTION II -	<b>APPROV</b>	AL ACTION	1				
NCLOSURE	ES RETURNED (List by Item No.)	NAME, TITL	E, AND SIGI	NATURE OF A	PPROVING	AUTHORITY	DATE		
							1		



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax:

(813) 623-6702

Received:

04/14/15 9:39 AM

Collected: 4/11/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	leDescription Collected Analyzed Volume		RDL	Lead Concentration	
S443 341503567-0003	4/11/2015 4/14/2015 110 Site: 10th Floor Below Crititcal B	00 L arrier	3.6 µg/m³	<3.6 µg/m³	
S444 341503567-0004	4/11/2015 4/14/2015 110 Site: 9th Floor Below Crititcal Ba	00 L rrier	3.6 µg/m³	<3.6 µg/m³	
S445 341503567-0005	4/11/2015 4/14/2015 110 Site: 14th FI Above the Decon	04 L	3.6 μg/m³	<3.6 µg/m³	
S446 341503567-0006	4/11/2015 4/14/2015 110 Site: 13th FI Outside the Decon	04 L	3.6 μg/m³	<3.6 µg/m³	
S447 341503567-0007	4/11/2015 4/14/2015 110 Site: 12th FI Below the Decon	04 L	3.6 μg/m³	<3.6 µg/m³	
S447 341503567-0008	·	60 L Floor Down Housekeeping	3.8 μg/m³	<3.8 µg/m³	
S449 341503567-0009		60 L oth Floor Down Housekeeping	3.8 μg/m³	<3.8 µg/m³	
S450 341503567-0010	4/11/2015 4/14/2015 Site: Blank	0 L	4.0 μg/filter	<4.0 µg/filter	



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 04/14/2015 17:01:17

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



## Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only)

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

			, , , , , , , , , , , , , , , , , , ,							170 (407) 58	9-9003
Company: OH	C Environmental	Engine	ering, Inc		EMSL-Bill to: Different  Same  If Bill to is Different note instructions in Comments**						
Street: 5420 B	ay Center Drive S	Suite 10	0		Third Party Billing requires written authorization from third party						
City: Tampa			rovince:	FL	Zip/Postal Code: 33609 Country: United States						
Report To (Nan	ne): (b)(4)				Telephor	e#: 813	-626-81	56			
Email Address	:	(h)(4	1)		Fax #: 8	313-623-6	3702		P	urchase Order:	
Project Name/N	Number: Stennis	B1 B2 T	est Stand	1	Please P	rovide Re	sults:	FAX	7	E-mail	Mail
	ples Taken: MS							al/Taxab	le 🗀 I	Residential/Tax	Exempt
O.O. Ctate Carr	pico valtorii	Tij	rnarounc	Time (TA					<u>~</u>		
☐ 3 Hour	■ 6 Hour	■ 24		☐ 48 Hour		2 Hour	□ 96		<b>1</b> 1	Week 🔲	2 Week
				nce with EMS			ns located	in the Pri	ce Guide	e \	
	Matrix			Method			strumer			orting(Limit	Check
Chips 🗌 % by	wt. 🗌 mg/cm² 🖺	] ppm		SVV846-7000E	3	Flame A	tomic Abs	orplion		0.01%	
Air 24 hr.				NIOSH 7082		Flame A	tomic Abs	orption		l µg/filter	<b>3</b>
				NIOSH 7105		<u> </u>	ite Furnac			03 μg/filter	
				SH 7300 mod			AES/ICP-			5 μg/filter	
Wipe* (ℊℎℯ	ASTM			SW846-7000E	3		tomic Abs	orption		0 µg/wipe	
*ifno box is	non ASTM checked, non-ASTM	П	SW846-6010B or (				ICP-AES			0 µg/wipe	
	Wipe is assumed			SW846-7000B/7010 SW846-1311/7000B/SM 3111		Graphite Furnace AA		0.075 μg/wipe			
TCLP				1311/7000B/S 131/SW846-6		Flame Atomic Absorption ICP-AES		orption	0.4 mg/L (ppm) 0.1 mg/L (ppm)		
Call				SW846-7000E		<del></del>	tomic Abs	orntion		ng/kg (ppm)	
Soil			SW846-7010				ite Furnac		0.3 mg/kg (ppm)		
			SW846-6010B or			<u> </u>	ICP-AES			ng/kg (ppm)	
Montanatas	11	r-1	SM31	111B/SW846-	7000B	Flame A	tomic Abs	orption	0.4	mg/L (ppm)	
Wastewater Proserved wit	Unpreserved th HNO₃ pH < 2		EPA 200.9			<u> </u>	ite Furnac	e AA	0,003 mg/L (ppm)		
	·			EPA 200.7			ICP-AES		_	) mg/L (ppm)	
	er Unpreserved		<u></u>	EPA 200 9		Graph	ite Furnac	e AA		3 mg/L (ppm)	
Preserved Wi	th HNO₃ pH < 2_			EPA 200.8	:0	<del> </del>	ICP-MS			1 mg/L (ppm)	
TSP/SPM Filt	er		40 CFR Part 50 40 CFR Part 50		Graphite Furnace AA		12 µg/filter 3.6 µg/filter				
Other:				10 07 717 411 0							
Name of Sam	npler: (b)(4)	*************			Signa	ature of S	Sampler	:			
Sample #	(2)(1)	Locati	on			نتكائنا والمساوي	me/Area			Date/Time S	Sampled
S443	10th FI be	low C	ritical Ba	ırrier		1,	100L			4/11/15 7:40a	m 4:50pm
S444	9th FI be	low Cr	itical Ba	cal Barrier 1,100L 4/11/15			4/11/15 7:41a	m 4.51pm			
S445	14th fi a	above	e the decon 1,104L 4/11/15 7:5			4/11/15 7:50a	m 5:02pm				
S446	13th fl outside the decon			on	1,104L				4/11/15 7:51am 5:03pm		
S447 12th fl below the decon			 on		1,	104L	··		4/11/15 7:52a	m 5:04pm	
Client Samp	e#'s 54437	400 50	150	SCGW18	1-566W	102	Tota	# of Sa	mples	5: 10	
Relinquished	//	b)(4)	,	Date:	4/11/			Time:		5:30 pm	
Received (La				ate:	4	14/1	5	Time:	9:3	Jan	
Comments:						7-	-				
	1										



# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE. (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

• • • • • • • • • • • • • • • • • • •	-	Date/Time Sampled
(b)(4) Clean up 20th floor down (house keeping)	1,060L	4/11/15 8:15am 5 ⁻ 05pm
(b)(4) Clean up 20th floor down (house keeping)	1,060L	4/11/15 8:15am 5:05pm
Blank	0L	4/11/15
13th fl clean room		4/11/15
Outside 13th fl clean room	-	4/11/15
ecial Instructions:		
	(b)(4) Clean up 20th floor down (house keeping)  Blank  13th fl clean room	Clean up 20th floor down (house keeping)  1,060L  Blank  13th fl clean room  Outside 13th fl clean room



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

OCCU56

ProjectiD:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax:

(813) 623-6702

Received:

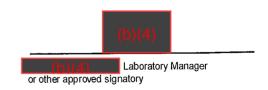
04/14/15 9:39 AM

Collected:

4/10/2015

## Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S435 341503565-0003	4/10/2015 Site: 10th	4/14/2015 FI Below Critica	890 L al Barrier	4.5 µg/m³	<4.5 µg/m³
S436 341503565-0004		4/14/2015 I Below Critical	890 L Barrier	4.5 μg/m³	<4.5 μg/m³
S437 341503565-0005		4/14/2015 Above the Deco	790 L on	5.1 μg/m³	<5.1 μg/m³
S438 341503565-0006		4/14/2015 Outside the De	790 L con	5.1 μg/m³	<5.1 μg/m³
S439 341503565-0007		4/14/2015 Below the Deco	790 L on	5.1 µg/m³	<5.1 µg/m³
S440 341503565-0008	4/10/2015 Site (6)		730 L 20th Floor Down Housekeeping	5.5 µg/m³	<5.5 μg/m³
S441 341503565-0009	4/10/2015 Site:		730 L nup 20th Floor Down Housekeeping	5.5 μg/m³	<5.5 μg/m³
S442 341503565-0010	4/10/2015 Site: Blan	4/14/2015 k	0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter, ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 04/14/2015 16:59:14





## Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

										165-		10000		$\overline{}$
Company : OH	C Environmental	Engine	ering, I	nc.	EMSL-Bill to: Different / Same If Bill to is Different note instructions in Comments.**									
Street: 5420 Ba	ay Center Drive S	Suite 10	0		Third Party Billing requires written authorization from third party									
City: Tampa		State/P		: FL	Zip/Postal Code: 33609 Country: United States									
Report To (Nan	ne): (b)(4)				Telephone #: 813-626-8156									
Email Address	:	(b)(4	)		Fax #:	: 81	13-623-6	3702		Pu	rchase			
Project Name/N	Number: Stennis	B1 B2 T	est Sta	and	Please	e Pro	vide Re	sults:	FAX	<b>7</b>	E-mai.	l 📗	Mail	
U.S. State Samples Taken: MS CT Samples: ☐ Commer							mmerci	al/Taxab	le 🔲 R	esident	ial/Tax	Exem	pt	
		Tu	rnarou	ind Time (TA										
3 Hour	■ 6 Hour	■ 24		☐ 48 Hou			Hour	□ 96			Week		2 Wee	:k
	*Analysis	completed	in acco	rdance with EMS	SL's Term	ns and				ce Guide			<u> </u>	
	Matrix			Method	_		lns	strumen	t		rting L	imit	Che	CK
Chips □ % by	wt. 🗌 mg/cm² 🛚	] ppm		SW846-7000	В		Flame A	tomic Abs	orption		0.01%			
Air 24 hr.				NIOSH 7082	2		Flame A	tomic Abs	orption		µg/filte		4	
27 111.	•			NIOSH 7105				ite Furnac			3 µg/fill			-
			<u> </u>	NIOSH 7300 mo		_		AES/ICP-I			μg/filte			
Wipe* 6 hr.	ASTM		, <u>-</u>	SW846-7000	B	ļ		tomic Abs	orption		µg/wip		7	
*if no box ls	non ASTM checked, non-ASTM			SW846-6010B				ICP-AES	- ^ ^		) µg/wip '5 µg/w		<u> </u>	] 1
	Wipe is assumed			SW846-7000B/7				ite Furnac		<u> </u>			<u> </u>	<del>  </del>
TCLP				46-1311/7000B/ 6-1131/SW846-0				tomic Abs	orption		ng/L (p _l ng/L (p _l			-
e e i	grade and the same and the same	122	37704	SW846-7000				tomic Abs	orption		ıg/kg (p			
Soil			SW846-701				ite Furnac	<u>-</u>		ng/kg (p			]	
				SW846-6010B	or C			ICP-AES		2 m	g/kg (p	om)		
14/22/2007	I I		SM3111B/SW846-7		-7000B			0.4 mg/L (ppm)						
Wastewater	Unpreserved th HNO ₃ pH < 2		EPA 200.9					ite Furnac	e AA	0.003 mg/L (ppm)				-
			ļ	EPA 200 7			ICP-AES Graphite Furnace AA		- ^ ^	0.020 mg/L (ppm) 0.003 mg/L (ppm)			-	┽┤
	ter Unpreserved			EPA 200.9 EPA 200.8			Grapn	ICP-MS	e AA		1 mg/L ()			1-1
Preserved Wi	th $HNO_3$ pH < 2	Щ		40 CFR Part			n controllère, la discreta con	ICP-AES			2 μg/filte			1
TSP/SPM Filt	ter		<b> </b>	40 CFR Part		<u> </u>				6 µg/filt			֓֟֟֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	
Other:		<u> </u>					<u> </u>							
Name of San	nler: (h)(4)	1	·	- <u> </u>	Si	ianat	ture of	Sampler	:					
Sample #	ibiori (p)	Locati	on		T			me/Area			Date/	Time	Samp	led
S435	10th Fl b			Barrier			8	390L			4/10/1	5 9: <b>4</b> 5a	m 5:1	0pm
S436	9th Fl be				1			390L			4/10/1	5 9:46	m 5:1	1pm
S437					1			790L		-	4/10/15	5 10:15	am 4:5	50pm
S438				†			790L			4/10/15	5 10:16	am 4:6	51pm	
S439		below						790L			4/10/15	5 10:17	am 4:5	 52pm
				SC6W179		GW			l # of S	amples				
Client Samp		(1	74		1	/10/		1 1010	[		5:30			
Relinquished	d (Client):	(b)(4 <u>)</u>		, Date:		, 10,	-I	'5	Time:	<u> </u>	gan		,	
Received Comment				Date:		_7	/14/ ¹	J	Time:	1,0	1/00/1			
Commercia	,					,	,							
1														



# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

 	 (=ab 000 ·	Villy).

Oriando, FL 32804 PHONE: (407) 599-5887 FAX (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S440	(b)(4) Clean up 20th floor down (house keeping)	730L	4/10/15 10 ⁻ 20am 4 45pm
S441	(b)(4) Clean up 20th floor down (house keeping)	730L	4/10/1510 20am 4.45pm
S442	Blank	0L	4/10/15
SCGW179	13th fl clean room		4/10/15
SCGW180	Outside 13th fl clean room		4/10/15
		· · · · · · · · · · · · · · · · · · ·	
		4,0	
	ecial Instructions:		



5125 Adanson Street, Suite 900, Orlando, FL 32804 (407) 599-5887 / (407) 599-9063 Phone/Fax: http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProiectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

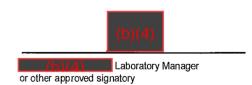
Project: Stennis B1 B2 Test Stand

(813) 626-8156 Phone: (813) 623-6702 Fax: Received: 04/14/15 9:39 AM

Collected: 4/10/2015

## Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW179 341503565-0001	4/10/2015 Site: 13th	4/14/2015 FI Clean Room	144 in²	10 µg/ft²	500 μg/ft²
SCGW180 341503565-0002	4/10/2015 Site: Outsi	4/14/2015 de 13th FI Cle	144 in² an Room	10 μg/ft²	70 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ftl2 x area sampled in ftl2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such a solutine sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. ""< (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/14/2015 12:01:23

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



## Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

	_
	- 1
45 4 4 4	- 1
(b)(4)	- 1
(D)(4)	

					ببرجوب عدد				
	IC Environmental Engine		EMSL-Bill to: Different  Same If Bill to is Different note instructions in Comments**						
Street: 5420 B	ay Center Drive Suite 10	0	Th.	ird Party Billing requ	ires writter	authorization	from third o	artv	
City: Tampa		rovince: FL		al Code: 33609			try: United		
Report To (Nai	me): (b)(4)		Telephone #: 813-626-8156						
Email Address		)	Fax #: 813-623-6702 Purchase Order:						
Project Name/	Number: Stennis B1 B2 T	est Stand	Please Pr	rovide Results:	FAX	E-1	mail	Mail	
	ples Taken: MS		CT Samples: Commercial/Taxable Residential/Tax Exempt						
		rnaround Time (TA				hand			
3 Hour	■ 6 Hour ■ 24				Hour	☐ 1 We	ek 🗆	2 Week	
	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	l in accordance with EMS	L's Terms a	nd Conditions locate	d in the Pri				
	Matrix	Method		Instrume	nt	Reportir	ng Limit	Check	
Chips □ % by	y wt. 📋 mg/cm³ 🔲 ppm	SW846-7000E	3	Flame Atomic Abs	sorption	0.0	1%		
Air 24 hr.	NIOSH 7082			Flame Atomic Abs	sorption	4 µg/	filter		
<del>27</del> 111,	,	NIOSH 7105		Graphite Furna	ce AA	, 0.03 μ			
		NIOSH 7300 mod	lified	ICP-AES/ICP	MS .	🥡 0,5 μο	/filter		
Wipe* 6 hr.	ASTM 🎆	SW846-7000E	3	Flame Atomic Abs	sorption	10 µg	/wipe	<b>2</b>	
*if no box is	non ASTM	SW846-6010B o	or C	ICP-AES		1.0 µg	<del></del> -		
	Wipe is assumed	SW846-7000B/7	010	Graphite Furna	ce AA	0.075 μ			
TCLP		SW846-1311/7000B/S		Flame Atomic Abs	sorption	0.4 mg/L (ppm)			
	NAMES OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY	SW846-1131/SW846-6		ICP-AES		0.1 mg/l			
Soil	SW846-7000			Flame Atomic Abs		40 mg/kg			
		SW846-7010		Graphite Furna	ce AA	0.3 mg/k		┞┈┼┈┤	
		SW846-6010B 0		ICP-AES		2 mg/kg			
Wastewater	Unpreserved	SM3111B/SW846-3 EPA 200.9	7000B Flame Atomic Absorption Graphite Furnace AA		~	0.4 mg/l 0.003 mg			
Preserved wi	th HNO₃ pH < 2 ☐	EPA 200.3		ICP-AES	36 744	0.000 mg			
Drinking Wat	ter Unpreserved	EPA 200.9		Graphite Furna	ce AA	0.003 mg			
	ith HNO ₃ pH < 2	EPA 200.8		ICP-MS		0.001 mg			
		40 CFR Part 5	i0.	ICP-AES		12 µg			
TSP/SPM Filt	ter	40 CFR Part 5	i0	Graphite Furna	ce AA	3 6 µg			
Other:									
Name of Sam	npler: (b)(4)		Signa	ture of Sample	r:				
Sample #	Location	วท		Volume/Are	a /	Di	ate/Time	Sampled	
S435	10th FI below Ci	itical Barrier		890L	1	4/1	0/15 9:45a	m 5:10pm	
S436	9th Fl below Cri	tical Barrier		890L		4/1	4/10/15 9;46am 5:11pm		
S437				790L		4/1	4/10/15 10:15am 4:50pm		
S438				790L		4/10	0/15 10:16	am 4:51pm	
S439	12th fl below	the decon		790L		4/10	0/15 10:17	am 4:52pm	
Client Sampl	le#'s   5435 - 54	42 SCGW179-	SCGW	1/80 Tota	l # of Sa	mples:	10		
Relinquished	(1)(1)	, Date:	4/10/		Time:	5:3	0 pm		
Received		Date:	4	1/14/15	Time:	9:39a	m	·	
Comment		Data.	//	/' / · ·					

Page 1 of ____ pages





# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

1	400 0.777

Oriando, FL 32804 PHONE: (407) 599-5887 FAX (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample#	Location	Volume/Area	Date/Time Sampled
S440	(h)(z) Clean up 20th floor down (house keeping)	730L	4/10/15 10·20am 4 45pm
S441	(h)(4) Clean up 20th floor down (house keeping)	730L	4/10/1510 20am 4.45pm
S442	Blank	0L	4/10/15
SCGW179	13th fl clean room		4/10/15
SCGW180	Outside 13th fl clean room		4/10/15
Comments/Spe	ecial Instructions:		



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156 (813) 623-6702

Received:

Fax:

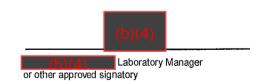
04/14/15 9:39 AM

Collected:

4/11/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

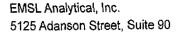
Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW181 341503567-0001	4/11/2015	4/14/2015 I Clean Room	144 in²	10 µg/ft²	330 µg/ft²
SCGW182 341503567-0002		4/14/2015 de 13th FI Clea	144 in² an Room	10 μg/ft²	300 µg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/fl2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependent on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 04/14/2015 12:03:32





## Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

(b)(4)

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

											1 ~ (407	) 598	7-9003
	Company :OH	C Environmenta	Engine	ering, lı	nc.		EN If Bill	ASL-Bill to is Differen	o:	Diffe: ructions:	rent / San Comments**	ame	
1	Street 5420 B	ay Center Drive	Suite 10	0		Third Party Billing requires written authorization from third party							
	City: Tampa			rovince	: FL		al Code:		oo mittor		ountry: U⊓i		
	Report To (Nar	ne): (b)(4)				Telephor	ne#: 813	-626-815	6				
- 1	Email Address		(b)//	1)			813-623-			P	Purchase Order:		
İ	Project Name/	Number: Stennis	B1 B2 1	rest Sta	and	<del></del>	rovide Re	F	FAX		E-mail		Mail
		ples Taken: MS			<del></del>				al/Taxab	ole 🗀	Residential	Tax I	Exempt
Í	O.O. Otato Carr	pico ranom	Τu	ırnarou	nd Time (TA						and the same of the same	**********	
1	☐ 3 Hour	■ 6 Hour	<b>m</b> 24		48 Hou		2 Hour	□ 96			Week		2 Week
l			complete	d in accor	rdance with EMS	SL's Terms a	nd Conditio	ns located	in the Pr	ice Guid	e		
ſ		Matrix			Method		In	strumen	t	Rep	orting Lim	it	Check
	Chips 🗆 % by	wt. 🗌 mg/cm² [	] ppm		SW846-7000	В	Flame A	tomic Abso	orption		0.01%		
	Air 24 hr.				NIOSH 7082	2	Flame A	tomic Abs	orption		1 μg/filter		
	27111.				NIOSH 7105			ite Furnac			0.03 µg/filter		
		-			NOSH 7300 mod	dified	-	AES/ICP-N		_	.5 µg/filter	-	
	Wipe* ( hr -	ASTM			SW846-7000	В	Flame A	tomic Abs	orption	——	0 µg/wipe		
	*ifno hov is	non ASTM checked, non-ASTM			SW846-6010B	or C		ICP-AES			0 μg/wipe		
	I IIO BOX IO	Wipe is assumed			SW846-7000B/7	010	Graph	ite Furnac	AA e		75 µg/wipe		
	TCLP				46-1311/ <b>70</b> 00B/9		1	Atomic Abs	orption		mg/L (ppm		
				SW846	6-1131/SW846-6			ICP-AES			mg/L (ppm		_ _
	Soil			<u> </u>	SW846-7000			Atomic Absolite Furnac			ng/kg (ppm mg/kg (ppn		╌╞╡┈┨
				<del> </del>	SW846-7010 SW846-6010B		<del></del>	ICP-AES	2 ^^		ng/kg (ppm		<del>-  - </del> -
					//3111B/SW846-			Nomic Abs	orption	كالمناب المناب	mg/L (ppm		
	Wastewater	Unpreserved			EPA 200.9		Graph	nte Furnac	e AA		3 mg/L (ppr		
	Preserved Wi	th HNO₃ pH < 2	<u>L.J</u>		EPA 200.7			ICP-AES			0 mg/L (ppr		
		ter Unpreserved			EPA 200 9		Graph	nite Furnac	e AA		3 mg/L (ppn		<del></del>
j	Preserved wi	th HNO₃pH < 2			EPA 200.8		<u> </u>	ICP-MS			1 mg/L (ppn	<del>ν</del> +	
	TSP/SPM File	ter		<u> </u>	40 CFR Part 5		ICP-AES Graphite Furnace AA		12 µg/filter 3.6 µg/filter		-	-	
	Other:		,	<del> </del>	40 01 111 011		Старт	nic i dirido		├ <del>ਁ</del>	o pg/moi		
		anlast (b)(4)		<u></u>		Sign	ature of	Sampler		(h	)(4)		
	Name of San Sample #	tpiet.	Locati	ion		T Olym		me/Area		, L	Date/Tir	ne S	ampled
	\$443	10th Fi be			Barrier			100L		-	4/11/15 7:		
	\$444	9th FI be				<u> </u>		,100L	··		4/11/15 7:	:41an	n 4.51pm
	S445	14th fl				<del>                                     </del>		104L			ļ		n 5:02pm
	<del> </del>					<del> </del>		,104L	-				n 5:03pm
	S446	13th fl	<del></del>					,104L ,104L			ļ		n 5:04pm
	S447		below						# of S	amala		. JZ (1)	וווקדט.ט וו
	Client Samp	le#'s 5443	Meu 5	450	SCGW/8			_ i lota			]		
	Relinquishe	d (Client):	b)(4)	,	Date:	4/11/	/15	٠	Time:		5:30 pm		
	Received (				Date:	14,	[14][	2	Time:	7.0	yam		
	Comments	(L	7(*)			,	,						
	Ì												





# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S448	(b)(4) Clean up 20th floor down (house keeping)	1,060L	4/11/15 8:15am 5:05pm
S449	(h)(4) Clean up 20th floor down (house keeping)	1,060L	4/11/15 8:15am 5:05pm
S450	Blank	OL	4/11/15
BOOWIN DA	424b fl alaga ragge		AIAAIAE
SCGW181	13th fl clean room		4/11/15
SCGW182	Outside 13th fl clean room		4/11/15
Comments/Sn	pecial Instructions:		
Comments/Sp	pecial Instructions:		

	National Aeronautics and			·		DATE		April 18, 2015
NASA	Space Administration CONTI	RACTOR TRAN	ISMITTA	LSHEE	Т		SHEET	
	John C. Stennis Space Center							
	Stennis Space Center, MS 39529-6000					1	OF	1
	SECTION I - REQUEST FO	OR APPROVAL <i>(To</i>	be Initiate					
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,	MATERIAL SAMPLES,	OR	CON	TRACT NO.	X	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COM	MPLIANCE		NNS	14AA30T		1	
	(See Instructions on Reverse)					0	RESUBMITT	
TO	FROM		PREVIOUS T	RANSMITT	AL NO. (If Any)	TF	RANSMITTA	L NO.
<u>(b)(</u>	4) HARRY PEPPER & ASS			0			352	
	ION AND SECTION NO. (Cover Only One Section With Each 1		TITLE AND LOC					
200H0-GA	04 02 82 33 .13 Air & Wipe Samples 4-13-1	5 & 4-15-19		SL430WF	B00-03 SOFT CC			T
	DESCRIPTION OF ITEM SUBMITTED		05 17514	110.05	CONTRACT REF		VARIATION	
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURER		NO OF	DOCUM		(See	CODE
NO.	(See Instruction No. 3)	(See Instruction	1 NO. 8)	COPIES	SPECIFICATION PARAGRAPH NO.	DRAWING SHEET NO.	No. 6)	(See Instruction No. 9
(a)	(b)	(c)		(d)	(e)	(f)	(g)	(h)
1	Air Samples Collected 4-13-15	ОНС		3	3.4.1.1.c	-	-	
2	Wipe Samples Collected 4-15-15	ОНС		3	3.4.1.1.c	_	~	-
3	Air Samples Collected 12 th Floor 4-15-15	ОНС		3	3.4.1.1.c	_		-
4	Air Samples Collected 4-15-15	ОНС		3	3.4.1.1.c	-	-	-
-	-		-	-	-	-	_	-
-	-			-	-	-	-	-
-	-			-	-	-	-	-
-	-		-	-	-	-	-	<u> </u>
REMARKS:	3 Hard Copies included.				t the above submitt re correct and in st			
				1	specifications, exce			ı
								I.
					NAME AND SI	IGNATURE O	F CONTRACTO	OR .
	SEG	CTION II - APPRO\	AL ACTIO	J				
ENCLOSURI	ES RETURNED (List by Item No.)	NAME, TITLE, AND SIG	NATURE OF A	APPROVING	AUTHORITY	DATE		
						1		



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

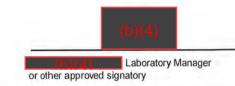
04/15/15 9:23 AM

Collected:

4/13/2015

## Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S451 341503618-0003	4/13/2015 4/15/2015 Site: 10th FI Below Crit	932 L tical Barrier	4.3 μg/m³	<4.3 µg/m³
S452 341503618-0004	4/13/2015 4/15/2015 Site: 9th FI Below Critic	932 L cal Barrier	4.3 μg/m³	<4.3 μg/m³
S453 341503618-0005	4/13/2015 4/15/2015 Site: 14th FI Above the	890 L Decon	4.5 μg/m³	<4.5 μg/m³
S454 341503618-0006	4/13/2015 4/15/2015 Site: 13th FI Outside the	890 L ne Decon	4.5 μg/m³	<4.5 μg/m³
S455 341503618-0007	4/13/2015 4/15/2015 Site: 12th FI Below the	890 L Decon	4.5 μg/m³	<4.5 µg/m³
S456 341503618-0008	4/13/2015 4/15/2015 Site: (b)(4) Pre	890 L p of 15th FI Interior South Wall	4.5 μg/m³	<4.5 μg/m³
S457 341503618-0009	4/13/2015 4/15/2015 Site: (h)(4)	890 L Prep Inside of South Containment	4.5 μg/m³	<4.5 μg/m³
S458 341503618-0010	4/13/2015 4/15/2015 Site: Blank	0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filler: ug/filler: ug/filler: ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/15/2015 15:19:41



## Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

						(.0,,,,,		
Company : OHC Environmental Engineering, Inc.				EMSL-Bill to: Different  Same  If Bill to is Different note instructions in Comments**				
Street: 5420 Ba	Street: 5420 Bay Center Drive Suite 100			Third Party Billing requires written authorization from third party				
City: Tampa	State/	Zip/Postal Code: 33609 Country: United States				States		
Report To (Nan	ne): (b)(4)		Telephon	e#: 813-626-815	56			
Email Address	(b)(4	1)	Fax#: 8	13-623-6702		Purchase Order:		
Project Name/N	Number: Stennis B1 B2	Test Stand	Please Pr	ovide Results:	FAX	✓ E-mail	Mail	
	ples Taken: MS		CT Samp	les: 🗌 Commerci	al/Taxable	☐ Residential/Tax	Exempt	
		urnaround Time (TA	T) Option	s* - Please Chec	k			
3 Hour		Hour 48 Hour		P. Hour □ 96			2 Week	
		ed in accordance with EMS	L's Terms ar		in the Price (	Guide	01 - 1	
	Matrix	Method		Instrumen	it r	Reporting Limit	Check	
Chips □ % by	wt. mg/cm² ppm	SW846-7000	3	Flame Atomic Abs	orption	0.01%		
Air 24 hr.		NIOSH 7082		Flame Atomic Abs	<u> </u>	4 µg/filter		
		NIOSH 7105		Graphite Furnac		0.03 µg/filter	<del>-  -  </del>	
		NIOSH 7300 mod		ICP-AES/ICP-	<del>-</del> -	0.5 µg/filter		
Wipe* (	ASTM 🛗	SW846-7000		Flame Atomic Abs	orption	10 µg/wipe		
*if no box is	non ASTM []	SW846-6010B (		ICP-AES		1.0 µg/wipe 0.075 µg/wipe		
	Wipe is assumed	SW846-7000B/7				0.075 μg/wipe 0.4 mg/L (ppm)		
TCLP		SW846-1311/7000B/S SW846-1131/SW846-6		ICP-AES		0.4 mg/L (ppm) 0.1 mg/L (ppm)	<del>-    </del> -	
Soil	-	SW846-7000		Flame Atomic Abs		40 mg/kg (ppm)		
3011		SW846-7010		Graphite Furnac		0.3 mg/kg (ppm)		
		SW846-6010B or C				2 mg/kg (ppm)		
Wastewater Unpreserved □		SM3111B/SW846-7000B			Flame Atomic Absorption 0.4			
	Unpreserved ☐ th HNO₃ pH < 2 ☐	EPA 200 9				.003 mg/L (ppm)	┡┼┼┼	
		EPA 200.7				.020 mg/L (ppm) 0 003 mg/L (ppm)	┡╌┾┤	
	ter Unpreserved ☐ th HNO₃pH < 2 ☐	EPA 200.9	EPA 200.9			0.001 mg/L (ppm)		
		40 CFR Part	50	ICP-MS ICP-AES		12 µg/filter		
TSP/SPM Filt	ter	40 CFR Part		Graphite Furnace AA		3.6 µg/filter		
Other:								
Name of Sam	npler: (b)(4)		Signa	ture of Sampler	:			
Sample #	Loca	tion		Volume/Are		Date/Time S	Sampled	
S451	10th Fl below (	Critical Barrier		932L		4/13/15 9:24a	m 4:50pm	
S452	9th FI below C	ritical Barrier	932L		4/13/15 9:258	m 4 ⁻ 51pm		
S453	14th fl above the decon		890L		4/13/15 9:408	m 5:05pm		
S454	13th fl outside the decon		890L		4/13/15 9:41a	ım 5:06pm		
S455	S455 12th fl below the decon			890L		4/13/15 9:42	am 5:07pm	
				6W/84 Tota	I # of Sam	ples: 10		
Relinquished	(1.) (4)	, Date:	4/13/	15,	Time:	5:30 pm		
Received (L		Date:	L	115/15	Time: 9	:23am		
Comments	(b)(4)	,		11-1	·			
	1							
1								



## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S456	(h)(4) Prep of 15th Fl. Interior South Wall	890L	4/13/15 9:45am 5:10pm
S457	(b)(4) Prep Inside of South Containment	890L	4/13/15 9:45am 5:10pm
S458	Blank	OL	4/13/15
SCGW183	13th fl clean room		4/13/15
SCGW184	Outside 13th fl clean room		4/13/15
Comments/Sp	ecial instructions:		_

Page 2 of 2



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

04/17/15 9:11 AM

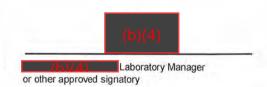
Collected:

4/15/2015

Stennis B1 B2 Test Stand

## Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW185 341503716-0001	4/15/2015 Site: 13th	4/17/2015 FI Clean Rm	144 in²	10 µg/ft²	160 μg/ft²
SCGW186 341503716-0002	4/15/2015 Site: Outs	4/17/2015 ide 13th FI Cle	144 in² an Rm	10 μg/ft²	28 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft* whe inalytical method limitations of the reporting the provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "c" (less than) results signifies that was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/17/2015 11:55:08





# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

Company: OHC Environmental Engineering, Inc.				EMSL-Bill to: Different  Same  If Bill to is Different note instructions in Comments**				
Street: 5420 Bay Center Drive Suite 100				Third Party Billing requires written authorization from third party				
City: Tampa	State/P	rovince: FL	Zip/Postal Code: 33609 Country: United States					
Report To (Na	me): (b)(4)			e#: 813-626-8156				
Email Address		(1)	Fax #: 8	313-623-6702	Purchase Orde	<u>:</u>		
Project Name/	Number: Stennis B1 B2 7	Test Stand	Please Pr	rovide Results: FA	X	Mail		
	iples Taken: MS		CT Samp	les: 🔲 Commercial/Taxa	ble 🔲 Residential/Ta	x Exempt		
		ırnaround Time (TA	T) Option	s* - Please Check				
☐ 3 Hour	■ 6 Hour ■ 24	Hour 48 Hour	72	2 Hour 📗 🧐 96 Hour	1 Week	2 Week		
			L's Terms a	nd Conditions located in the P				
	Matrix	Method		Instrument	Reporting Limit	Check		
Chips 🗆 % b	y wt. 🗌 mg/cm² 🔲 ppm	SW846-7000	3	Flame Atomic Absorption	0.01%			
Air 24 hr.	-	NIOSH 7082		Flame Atomic Absorption	4 μg/filter			
27111.		NIOSH 7105		Graphite Furnace AA	0.03 µg/filter			
		NIOSH 7300 mod	lified	ICP-AES/ICP-MS	0.5 μg/filter			
Wipe* 6hr	. ASTM	SW846-7000	3	Flame Atomic Absorption	10 µg/wipe			
*if so bor le	non ASTM [] checked, non-ASTM	SW846-6010B	or C	ICP-AES	1.0 μg/wipe			
1110000	Wipe is assumed	SW846-7000B/7010		Graphite Fumace AA	0.075 µg/wipe			
TCLP		SW846-1311/7000B/SM 3111B		Flame Atomic Absorption	0.4 mg/L (ppm)			
		SW846-1131/SW846-6010B or C		ICP-AES	0.1 mg/L (ppm)			
Soil		SW846-7000B		Flame Atomic Absorption	40 mg/kg (ppm)	<b>┦</b> ─╠╅─┤		
		SW846-7010 SW846-6010B or C		Graphite Furnace AA	0.3 mg/kg (ppm)	╂╼┾┽┈┆		
<u> </u>				CP-AES  Flame Atomic Absorption	2 mg/kg (ppm) 0.4 mg/L (ppm)	╂╾┾╡╼╢		
Wastewater	Unpreserved []	SM3111B/SW846-7000B EPA 200 9		Graphite Furnace AA	0.003 mg/L (ppm)	╀┾╡╴╏		
Preserved wi	ith HNO ₃ pH < 2 $\Box$	EPA 200.7		ICP-AES	0.020 mg/L (ppm)			
Drinking Wat	ter Unpreserved	EPA 200 9		Graphite Furnace AA	0.003 mg/L (ppm)			
	ith HNO₃pH < 2 ☐	EPA 200 8		ICP-MS	0 001 mg/L (ppm)			
TSPISPM File		40 CFR Part 50		ICP-AES	12 µg/filter			
1 SPISPWI FIL		40 CFR Part 5	50	Graphite Furnace AA	3.6 µg/filter			
Other:		<u></u>			<u> </u>			
Name of San	npler: (b)(4)		Signa	ture of Sampler:	(b)(4)			
Sample #	Locati	on		Volume/Area /	Date/Time	Sampled		
S459	11th FI south by Sc	affolding Dropoff	•	1000L	4/15/15 8:10	am 4:30pm		
S460	10th Fl below C	ritical Barrier		1080L	4/15/15 7:50	am 4:50pm		
S461	9th FI below Cr	itical Barrier		1080L	4/15/15 7·51	am 4:51pm		
S462	14th fl above	the decon		954L	4/15/15 8:13	am 4:10pm		
S463 13th fl outside the decon				954L	4/15/15 8:14	am 4:11pm		
				C6W/B6 Total # of S	amples: 11			
Relinquished	(1.)(4)	, Date:	4/15/		5.00			
Received		Date:	1	7/17/15 Time:	9: Nam			
Commen		Dute.		1.11				
<u> </u>	ı							
1								

Page 1 of ____ pages



# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample#	Location	Volume/Area	Date/Time Sampled
S464	12th fl below the decon	954L	4/15/15 8:15am 4:12pm
S465	(b)(4) Scaffold Removal	430L	4/15/15 8 15am 11:50pm
S466	(b)(4) / Scaffold Removal	990L	4/15/15 8:15am 4:30pm
S467	Blank	OL	4/15/15
SCGW185	13th fl clean room		4/15/15
SCGW186	Outside 13th fl clean room		4/15/15
Comments/Sp	ecial Instructions:		



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156

Fax:

(813) 623-6702 04/17/15 9:11 AM

Received:

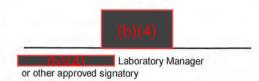
Collected:

4/15/2015

Stennis B1 B2 Test Stand

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription Collected Analyzed Area Sampled RDL Lead Concentration MF01-2015 4/15/2015 4/17/2015 144 in² 10 µg/ft2 800 µg/ft² 341503717-0001 Site: 12th FI North Side Outside Cage



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in guft? which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. ""c' (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/17/2015 11:57:59





## Lead (Pb) Chain of Custody

5125 Adanson Street, Suite 90

EMSL Analytical, Inc.

EMSL Order ID (Lab Use Only):

Oriando, FL 32804 PHONE (407) 599-5887 FAX (407) 599-9063

						79-3003	
Company : OH	C Environmental Engine	ering, Inc.	-	EMSL-Bill to: If Bill to is Different note ins	Different Same tructions in Comments**		
Street: 5420 Bay Center Drive Suite 100			Third Party Billing requires written authorization from third party				
City: Tampa	State/F	Province: FL		I Code: 33609	Country: United	States	
Report To (Nan	ne): (b)(4)		Telephon	e #: 813-626-8156			
Email Address	(b)(4	1)	Fax #: 8	313-623-6702	Purchase Order	,	
	Number: Stennis B1 B2	Test Stand	Please Pi	rovide Results: FA	X ✓ E-mail	Mail	
	ples Taken: MS			les:  Commercial/Taxa	ble 🔲 Residential/Tax	Exempt	
O.O. Date Com	T	urnaround Time (TA					
3 Hour		Hour 48 Hou		2 Hour 🔲 96 Hour	☐ 1 Week ☐	2 Week	
			L's Terms a	nd Conditions located in the Pi	rice Guide		
	Matrix	Method		Instrument	Reporting Limit	Check	
Chips □ % by	wt. 🗆 mg/cm² 🔲 ppm	SW846-7000	3	Flame Atomic Absorption	0.01%		
Air		NIOSH 7082	!	Flame Atomic Absorption	4 μg/filter		
}		NIOSH 7105		Graphite Furnace AA	0.03 µg/filter		
		NIOSH 7300 mod	dified	ICP-AES/ICP-MS	0.5 μg/filter	┝╌╧═╌┤	
Wipe*	ASTM 🗵 non ASTM	SW846-7000		Flame Atomic Absorption	10 µg/wipe	<b>3</b>	
*if no box ls	non ASTM  checked, non-ASTM	SW846-6010B	or C	ICP-AES Graphite Furnace AA	1.0 µg/wipe		
	Wipe is assumed		SW846-7000B/7010		0.075 µg/wipe		
TCLP	TCLP SW846-1311/7000B/SM		••	Flame Atomic Absorption	0.4 mg/L (ppm)	$\vdash \vdash \vdash$	
SW846-1131/SW846-60			ICP-AES	0.1 mg/L (ppm)	<del>┡</del>		
Soil		SW846-7000B		Flame Atomic Absorption Graphite Furnace AA	40 mg/kg (ppm)	$\vdash  otag$	
			SW846-7010 SW846-6010B or C		0.3 mg/kg (ppm) 2 mg/kg (ppm)	<del>                                     </del>	
<del></del>		SM3111B/SW846-7000B		ICP-AES Flame Atomic Absorption	0.4 mg/L (ppm)	$\vdash$ $\vdash$	
Wastewater	Unpreserved 🔲	EPA 200 9		Graphite Furnace AA	0.003 mg/L (ppm)		
Preserved wit	th HNO ₃ pH < 2 $\Box$	EPA 200 7			0.020 mg/L (ppm)		
Drinking Wat	er Unpreserved	EPA 200.9		Graphite Furnace AA	0.003 mg/L (ppm)		
	th HNO₃pH < 2 🔲	EPA 200.8		ICP-MS	0 001 mg/L (ppm)		
TSP/SPM Filt	or	40 CFR Part		ICP-AES	12 µg/filter		
		40 CFR Part	50	Graphite Furnace AA	3.6 µg/filter	<del>                                     </del>	
Other:							
Name of Sam	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		Signa	ature of Sampler:	(b)(4)		
Sample#	Locat	ion	<b> </b>	Volume/Area	Date/Time		
MF01-2015	12th FI North Sid	e Outside Cage		12X12 🗸	4-15-	·15	
1							
Client Sampl	e #'s - M	FOI -2015		Total # of S	amples: 1		
Relinquished	(1)(4)	Date:	4-15	-15 , Time	. 4:30 pm		
	(Chenti:)		<u> </u>	17/16 Time:	0:1/-		
Received (		Date:		1 / Cy Time.			
301111101111	1						
I							

Page 1 of ___ pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063 orlandolab@emsl.com

http://www.EMSL.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702 04/17/15 9:11 AM

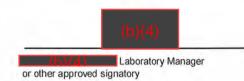
Collected:

4/15/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration	
S459 341503716-0003	4/15/2015 4/17/2015 Site: 11th FI South by So	1000 L caffolding Dropoff	4.0 μg/m³	<4.0 µg/m³	
S460 341503716-0004	4/15/2015 4/17/2015 Site: 10th FI Below Critic	1080 L cal Barrier	3.7 µg/m³	<3.7 µg/m³	
S461 341503716-0005	4/15/2015 4/17/2015 Site: 9th FI Below Critical	1080 L al Barrier	3.7 µg/m³	<3.7 µg/m³	
S462 341503716-0006	4/15/2015 4/17/2015 Site: 14th FI Above the I	954 L Decon	4.2 μg/m³	<4.2 µg/m³	
S463 341503716-0007	4/15/2015 4/17/2015 Site: 13th FI Outside the	954 L Decon	4.2 μg/m³	<4.2 μg/m³	
S464 341503716-0008	4/15/2015 4/17/2015 Site: 12th FI Below the D	954 L Decon	4.2 μg/m³	<4.2 μg/m³	
S465 341503716-0009	4/15/2015 4/17/2015 Site: (b)(4) Se	430 L caffold Removal	9.3 μg/m³	<9.3 µg/m³	
S466 341503716-0010	4/15/2015 4/17/2015 Site: (5)(4) Scaff	990 L old Removal	4.0 μg/m³	<4.0 μg/m³	
S467 341503716-0011	4/15/2015 4/17/2015 Site: Blank	0 L	4.0 µg/filter	<4.0 µg/filter	



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level -30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/17/2015 14:39:17



## Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

Orlando, FL 32804 PHONE. (407) 599-5887 FAX* (407) 599-9063

	CIAIOC	Order	ID (Lau	USB UINY	/
Ĺ <u> </u>					

Company: OHC Environmental Engineering, Inc.			EMSL-Bill to: Different \( \subseteq \text{Same} \)  If Bill to is Different note instructions in Comments."				
Company:	ay Center Drive Suite 10	n	-				
City: Tampa		rovince: FL	Third Party Billing requires written authorization from third party  Zip/Postal Code: 33609 Country: United States				
		TOVITICE.		e#: 813-626-81	56		
Report To (Nar		\		13-623-6702		Purchase Order:	
Email Address	Number: Stennis B1 B2 T	est Stand		ovide Results:	FAX		Mail
	iples Taken: MS	Cot Otalia				le 🗍 Residential/Tax	Evernt
U.S. State San	iples raken: MO	rnaround Time (TA				Te Itesidential Tux	LAGINIPE
☐ 3 Hour	■ 6 Hour ■ 24				Hour	☐ 1 Week ☐	2 Week
	*Analysis completed	d in accordance with EMS	L's Terms a			ce Guide	
	Matrix	Method		Instrumen	nt	Reporting Limit	Check
Chips   % by	y wt. 🗌 mg/cm² 🔲 ppm	SW846-7000E	3	Flame Atomic Abs	orption	0.01%	
Air 24 hr.		NIOSH 7082		Flame Atomic Abs	orption	4 µg/filter	
27 111 .		NIOSH 7105		Graphite Furnac		0.03 µg/filter	
		NIOSH 7300 mod		ICP-AES/ICP-		0.5 μg/filter	
Wipe* 6 hv		SW846-7000E		Flame Atomic Abs	orption	10 μg/wipe	
*if no box is	non ASTM [] checked, non-ASTM	SW846-6010B c		ICP-AES		1.0 μg/wipe	<u> </u>
	Wipe is assumed	SW846-7000B/7		Graphite Furnace AA		0.075 µg/wipe	
TCLP		SW846-1311/7000B/SM 3111B SW846-1131/SW846-6010B or C		Flame Atomic Absorption ICP-AES		0.4 mg/L (ppm) 0.1 mg/L (ppm)	╎╌╞╡┈┨
Soil		SW846-7000B		Flame Atomic Absorption		40 mg/kg (ppm)	
3011		SW846-7010		Graphite Furnace AA		0.3 mg/kg (ppm)	
		SW846-6010B o	or C	ICP-AES		2 mg/kg (ppm)	
Wastewater	Unpreserved	SM3111B/SW846-7000B		Flame Atomic Absorption Graphite Furnace AA		0.4 mg/L (ppm)	<u> </u>
	th HNO₃pH < 2 ☐	EPA 200 9 EPA 200.7		ICP-AES		0.003 mg/L (ppm) 0.020 mg/L (ppm)	<del>-  - </del> -
Drinking Wat	ter Unpreserved	EPA 200.7 EPA 200 9		Graphite Furnac	e AA	0.003 mg/L (ppm)	
	ith HNO ₃ pH < 2	EPA 200 8		ICP-MS		0 001 mg/L (ppm)	
TSP/SPM File		40 CFR Part 5	i0	ICP-AES		12 µg/filter	
	. <del></del>	40 CFR Part 5	50	Graphite Furnac	e AA	3.6 µg/filter	
Other:			<del>-  </del>	<u> </u>	-	/5\/4\	
Name of San			Signa	ture of Sampler		(0)(4)	ampled
Sample #	Locati			Volume/Area	4 /	Date/Time S	
S459	11th FI south by Sc		1000L		4/15/15 8:10am 4:30pm		
S460	10th FI below C	ritical Barrier		1080L		4/15/15 7:50a	
S461	9th FI below Cr	L	1080L		4/15/15 7·51a	m 4:51pm	
S462	14th fl above the decon			954L		4/15/15 8:13a	m 4:10pm
S463 13th fl outside the decon			954L		4/15/15 8:14a	m 4:11pm	
Client Sampl	le#'s 5459 - 54	167 SCG	W/85 S	C6W/86 Tota	# of Sa	imples: 11	
Relinquished	d (Client): (b)(4)	Date:	4/15/	15	Time:	5:30 pm	
Received		Date:	1	+117/15	Time:	4: Nam	
Comment				7 1			
\ <b></b>		•					
						<u></u>	



# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc.	
5125 Adanson Street, Suite 9	90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S464	12th fl below the decon	954L	4/15/15 8:15am 4:12pm
S465	(b)(4) Scaffold Removal	430L	4/15/15 8 15am 11:50pm
S466	(b)(4) Scaffold Removal	990L	4/15/15 8:15am 4:30pm
S467	Blank	OL	4/15/15
00011405	404-61-1		
SCGW185	13th fl clean room		4/15/15
SCGW186	Outside 13th fl clean room		4/15/15
		· · · · · · · · · · · · · · · · · · ·	
Comments/Spe	ecial Instructions:		

National Aeronautics and Space Administration

John C. Stennis Space Center Stennis Space Center, MS 39529-6000



April 23, 2015

Reply to Attn of: RA10/15-0698CBS

Harry Pepper & Associates, Inc.

Attn:

9000 Regency Square Blvd

Suite 100

Jacksonville, FL 32256-1574

Subject: SL430WFB00-03 B2 WP# 3, Soft Core Painting

NASA Contract: NNS14AA30T

The following listed contractually required submittal is being returned to your office:

#### 1. Transmittal 352:

Item 1 – Air Samples Collected 4-13-2015 – Receipt Acknowledged.

Item 2 – Wipe Samples Collected 4-15-2015 – Receipt Acknowledged.

Item 3 – Air Samples Collected 12TH Floor 4-15-2015 – Receipt Acknowledged.

Item 4 – Air Samples Collected 4-15-2015 – Receipt Acknowledged.

NOTE: ** "ANY COMMENT(S) THAT RESULT IN A CHANGE TO THE CONTRACT COST, SCOPE, OR SCHEDULE YOU MUST NOTIFY THE CONTRACTING OFFICER FOR APPROVAL PRIOR TO IMPLEMENTATION OR ANY COSTS ARE INCURRED."

If you have any questions, give me a call at 228-688-3243.

**Brennan Sanders** 

Contracting Officer's Representative

Enclosure

cc:

NASA/Mr. Maynard

/Mr. Mannion

/Dr. Rauch

Prime Jacobs-FOSC/

Official file

	BECEINED							
NASA	National Aeronauties and Space Administration CONTI	RACTOR TRAN	SMITTA	SHFF	Т	DATE		April 18, 2015
	John C. Sternis Space Center, 20 205 Stennis Space Center, MS 39529-6000						SHEET	
		2D 4 DDD 01/41 /7				1	OF	1
	DOCUMENT CONTROLLEST FO	DR APPROVAL (10	be initiate				i	
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,		)R	CON	TRACT NO.	X	MEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF CON (See Instructions on Reverse)	VIPLIANCE		NNS	14AA30T		lnecupyai <del>t</del>	
TO	FROM		DDEVIOUS TO	ANICALITY	AL NO. (If Any)	0	RESUBMITT RANSMITTA	
(h)(4	4) HARRY PEPPER & ASS	OCIATES INC	FILL VIOUS IN	0	AL NO. (II Ally)		352	IL NO.
SPECIFICATI	ION AND SECTION NO. (Cover Only One Section With Each T		TLE AND LOC				332	
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	DESCRIPTION OF ITEM SUBMITTED		-		CONTRACT REF		VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURER	OF ITEM	NO OF	DOCUM	ENT	(See	CODE
NO.	(See Instruction No. 3)	(See Instruction	No. 8)	COPIES	SPECIFICATION	A CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR	Instruction	(See Instruction
(a)	(b)	(c)		(d)	PARAGRAPH NO. (e)	SHEET NO. (f)	No. 6) (g)	No. 9 (h)
1	Air Samples Collected 4-13-15	ОНС		3	3.4.1.1.c	-	- 16/	E
2	Wipe Samples Collected 4-15-15	ОНС		3	3.4.1.1.c	i i	5.	E .
3	Air Samples Collected 12 th Floor 4-15-15	ОНС		3	3.4.1.1.c	-13	9	F .
4	Air Samples Collected 4-15-15	ОНС		3	3.4.1.1.c	12	¥	F.
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Ke	1 10 00 1000	CTION II - APPROVA	AL ACTION					
ENCLOSURE	S RETURNED (List by Item No.)	NAME, TITLE, AND SIGI	NATURE OF A	PPROVING	AUTHORITY	DATE		
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	National Aeronautics and						DATE		April 29, 2015
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	John C. Stennis Space Center				_	· <del>-</del>		SHEET	
	Stennis Space Center, MS 39529-6000						1	OF	1
	SECTION I - REQUEST FO				, <u> </u>	<u>-</u>			
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,		SAMPLES, C	PR	CON	TRACT NO.	Х	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COM	MPLIANCE			NNS14AA30T				
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SPECIFICAT 200H0-GA	ION AND SECTION NO. (Cover Only One Section With Each T 04 02 82 33.13 Air & Wipe Samples Collecte		PROJECT II	TLE AND LOC		B00-03 SOFT CO	RE PAINTIN	IG	
2000 0			1			CONTRACT REF		VARIATION	ACTION
ITEM	DESCRIPTION OF ITEM SUBMITTED  (Type, Size, Model Number, etc.)	MANUFACTURER OF ITEM			NO OF	DOCUM	ENT	(See	CODE
NO.	(See Instruction No. 3)	(See Instruction No. 8)			COPIES	SPECIFICATION	DRAWING	Instruction	(See Instruction
(a)	(b)	(c)			(d)	PARAGRAPH NO.	SHEET NO.	No. 6)	No. 9
		OHC (C)		3	(e) 3.4.1.1.c	(f)	(g)	(h)	
1	Wipe Samples Collected 4-18-15	Unc			3	3.4.1.1.0	-		
	Work in this area preformed by others			-	-		-	-	
2	Soil Samples Collected 4-21-15	ОНС			3	3.4.1.1.c	-	-	-
3	Air Samples Collected 4-22-15	ОНС			3	3.4.1.1.c	-	-	-
4	Wipe Samples Collected 4-23-15	ОНС			3	3.4.1.1.c		-	-
-	Work in this area preformed by others			-	-	-	-	-	-
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-	-			-	-	-	-	1	-
REMARKS:	REMARKS: 3 Hard Copies included.			I certify that the above submitted items have been reviewed in detail and are correct and in strict conformance with the contract					
						specifications. exce			
	·					NAME AND SI	GNATURE O	F CONTRACTO	DR .
	SEC	CTION II -	APPROV	AL ACTION	J				=
ENCLOSUR	ES RETURNED (List by Item No.)	NAME, TITI	LE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

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orlandolab@emsl.com

EMSL Order: CustomerID:

CustomerPO:

ProjectID:

OCCU56

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

04/24/15 9:00 AM

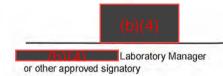
Collected:

4/18/2015

Project: Stennis B1 B2 Test Stand

## Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed	Area Sampled	RDL	Lead Concentration
BL-01 341503964-0001	4/18/2015 4/24/2015 Site: Inside 11th FI Soft	144 in² Core NW	10 μg/ft²	270 μg/ft²
BL-02 341503964-0002	4/18/2015 4/24/2015 Site: Inside 11th FI Soft	144 in² Core NC	10 µg/ft²	120 μg/ft²
BL-03 341503964-0003	4/18/2015 4/24/2015 Site: Inside 11th FI Soft	144 in² Core NE	10 μg/ft²	1100 μg/ft²
BL-04 341503964-0004	4/18/2015 4/24/2015 Site: Inside 11th FI Soft	144 in² Core NCW	10 μg/ft²	1600 μg/ft²
BL-05 341503964-0005	4/18/2015 4/24/2015 Site: Inside 11th FI Soft	144 in² Core NCE	10 μg/ft²	520 μg/ft²
BL-06 341503964-0006	4/18/2015 4/24/2015 Site: Inside 11th FI Soft	144 in² Core SCW	10 μg/ft²	1000 μg/ft²
BL-07 341503964-0007	4/18/2015 4/24/2015 Site: Inside 11th FI Soft	144 in² Core under Staircase	10 μg/ft²	180 μg/ft²
BL-08 341503964-0008	4/18/2015 4/24/2015 Site: Inside 11th FI Soft	144 in² Core SW	10 μg/ft²	540 μg/ft²
BL-09 341503964-0009	4/18/2015 4/24/2015 Site: Inside 11th FI Soft	144 in² Core SC	10 μg/ft²	180 μg/ft²
BL-10 341503964-0010	4/18/2015 4/24/2015 Site: Inside 11th FI Soft	144 in² Core SE	10 μg/ft²	1400 μg/ft²
BL-11 341503964-0011	4/18/2015 4/24/2015 Site: Inside 11th FI Soft	144 in² Core Top Handrail Stairs	10 μg/ft²	13 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/fit2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft* which is dependent on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 04/27/2015 08:58:23



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

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CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Fax: Received:

Phone:

(813) 623-6702 04/24/15 9:00 AM

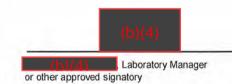
(813) 626-8156

Collected: 4/18/2015

Project: Stennis B1 B2 Test Stand

#### Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed Area Sampled	RDL	Lead Concentration
BL-12 341503964-0012	4/18/2015 4/24/2015 144 in ² Site: Inside 11th FI Soft Core Bottom Handrail	10 μg/ft² Stairs	67 μg/ft²
BL-13 341503964-0013	4/18/2015 4/24/2015 144 in² Site: Inside 11th FI Soft Core SE	10 µg/ft²	540 μg/ft²
BL-13A 341503964-0014	4/18/2015 4/24/2015 144 in ² Site: Inside 11th FI Soft Core SE	10 µg/ft²	5300 μg/ft²
BL-13B 341503964-0015	4/18/2015 4/24/2015 144 in ² Site: Inside 11th FI Soft Core SC	10 µg/ft²	3100 µg/ft²
BL-13C 341503964-0016	4/18/2015 4/24/2015 144 in ² Site: Inside 11th FI Soft Core SW	10 µg/ft²	830 µg/ft²
BL-13D 341503964-0017	4/18/2015 4/24/2015 994.5 in ² Site: Inside 11th FI Soft Light	1.4 µg/ft²	86 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are Anisyst following Lead in Dust by Embo. Some Determination of Environmental Lead by FLAA. Reporting limits it orgaying Lighting earlies ship to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "~" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/27/2015 08:58:23





# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Charlet ID (Lab Use Only):

Orlando, Fig. 1940

PHONE: (40)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

OH	C Environmental Engine	ering Inc	EMSL-Bill to: Different V Same				
Company:	C Environmental Engine	oring, inc.	If Bill to is Different note instructions in Comments**  Third Party Billing requires written authorization from third party				
	ay Center Drive Suite 10				res written au		
City: Tampa		rovince: FL	Zip/Postal Code: 33609 Country: United States				
Report To (Nar	m <u>e): (b)(4)</u>		Telephone #: 813-626-8156				
Email Address	(b)(4	.)	Fax #: 8	13-623-6702		Purchase Order:	
	Number: Stennis B1 B2	Test Stand	<del></del>	ovide Results:	FAX		Mail
U.S. State Sam	ples Taken: MS					☐ Residential/Tax	Exempt
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···································	Matrix	Method	LS TEITHS AI	Instrume	nt I	Reporting Limit	Check
Chine   % h	wt mg/cm² ppm	SW846-7000E		Flame Atomic Abs		0.01%	
	A MC C Inspent C Phus			· · · · · · · · · · · · · · · · · · ·	<del></del>		
Air		NIOSH 7082		Flame Atomic Abs		4 µg/filter	
		NIOSH 7105	6-4	Graphite Furnac		0.03 µg/filter	
		NIOSH 7300 mod		ICP-AES/ICP- Flame Atomic Abs		0.5 µg/filter	×
Wipe*	ASTM ≚ non ASTM ☐	SW846-7000E		ICP-AES	sorption	10 µg/wipe	_==
*if no box Is	checked, non-ASTM	SW846-6010B o		Graphite Furnac	- 1	1.0 µg/wipe 0.075 µg/wipe	<del>-  -  -  -  -  -  -  -  -  -  -  -  -  -</del>
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TCLP		SW846-1311/7000B/S SW846-1131/SW846-6		Flame Atomic Abs		0.4 mg/L (ppm) 0.1 mg/L (ppm)	_ =
Soil		SW846-7000E	<del> </del>	Flame Atomic Abs		40 mg/kg (ppm)	
3011		SW846-7010		Graphite Furnac		0.3 mg/kg (ppm)	
		SW846-6010B o	С	ICP-AES		2 mg/kg (ppm)	
Wastewater	Unpreserved	SM3111B/SW846-7	000В	Flame Atomic Absorption		0.4 mg/L (ppm)	
	th HNO ₃ pH < 2	EPA 200.9	ļ	Graphite Furnace AA ICP-AES		).003 mg/L (ppm)	
		EPA 200.7 EPA 200.9		Graphite Furnace AA		0.020 mg/L (ppm) 0.003 mg/L (ppm)	누
	th HNO ₃ pH < 2	EPA 200.9 EPA 200.8		ICP-MS		0.001 mg/L (ppm)	<del>- H</del> - I
	<u></u>	40 CFR Part 5	0	ICP-AES		12 µg/filter	
TSP/SPM Filt	ter	40 CFR Part 5		Graphite Furnac	ce AA	3.6 µg/filter	
Other:							
Name of Sam	npler: (b)(4)		Signa	ture of Sample	r;		
Sample #	Locati	on		Volume/Area	a	Date/Time S	ampled
BL-01	Inside 11th FI S	oft Core NW		12X12 Floo	or	4/18/	15
BL-02	Inside 11th FI S	oft Core NC		9X16 Guss	et	4/18/	15
BL-03	Inside 11th FI S	oft Core NE		12X12 Floo	or	4/18/	15
BL-04	Inside 11th FI So	oft Core NCW		12X12 Floo	or	4/18/	15
BL-05	Inside 11th FI Se			12X12 Floo	or	4/18/	15
Client Sampl				Tota	I # of Sam	ples:	
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Page 1 of 1 pages



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90 ١

Orlando, FL 32804 PHONE: (407) 599-5887

FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	-	Volume/Area	Date/Time Sampled
BL-06	Inside 11th FI Soft Core SCW		12X12 Floor	4/18/15
BL-07	Inside 11th Fl Soft Core Under Staircase		12X12 Floor	4/18/15
BL-08	Inside 11th Fl Soft Core SW		12X12 Floor	4/18/15
BL-09	Inside 11th FI Soft Core So	С	12X12 Floor	4/18/15
BL-10	Inside 11th FI Soft Core S	Ē	12X12 Floor	4/18/15
BL-11	Inside 11th FI Soft Core Top Hand Rail St	tairs	1.25X115.25	4/18/15
BL-12	Inside 11th Fl Soft Core Bottom Hand Rail S	Stairs	1.25X115.25	4/18/15
BL-13	Inside 11th FI Soft Core Si	Ε	12X12 I Beam	4/18/15
BL-13A	Inside 11th FI Soft Core SI	Ε	9X16 Gusset	4/22/15
BL-13B	Inside 11th FI Soft Core So	С	9X16 Gusset	4/22/15
BL-13C	Inside 11th FI Soft Core \$\	W	9X16 Gusset	4/22/15
BL-13D	Inside 11th FI Soft Core Lig	ght	8.5X17 West Elev.	4/22/15
Comments/Sp	pecial Instructions:			

Page 2 of 2 pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

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orlandolab@emsl.com

EMSL Order: CustomerID:

CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

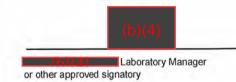
Phone: (813) 626-8156 Fax: (813) 623-6702 Received: 04/24/15 9:00 AM

Collected:

4/21/2015

#### Test Report: Lead in Soils by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed	RDL	Lead Concentration
CB-01 341503967-0001	4/21/2015 4/27/2015 Site: Outside 11th FI South West	40 mg/Kg	500 mg/Kg
CB-02 341503967-0002	4/21/2015 4/27/2015 Site: Outside 11th FI North West	40 mg/Kg	<40 mg/Kg
CB-03 341503967-0003	4/21/2015 4/27/2015 Site: Outside 9th FI South Side	40 mg/Kg	210 mg/Kg



*Analysis following Lead in Soil/Soilds by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 40 mg/kg based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. Results reported based on dry weight. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/27/2015 14:17:37

# EMBL ANALYTICAL INC.

### Lead (Pb) Chain of Custody

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

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Different / Same FMSL-Bill to: Company : OHC Environmental Engineering, Inc. If Bill to is Different note instructions in Com Street: 5420 Bay Center Drive Suite 100 Third Party Billing requires written authorization from third party Country: United States Zip/Postal Code: 33609 ۴L State/Province: City: Tampa Telephone #: 813-626-8156 Report To (Name) Purchase Order: Fax #: 813-623-6702 **Email Address:** Project Name/Number: Stennis B1 B2 Test Stand √ E-mail Mail FAX Please Provide Results: CT Samples: ☐ Commercial/Taxable ☐ Residential/Tax Exempt U.S. State Samples Taken: MS Turnaround Time (TAT) Options* - Please Check 1 Week 2 Week 48 Hour **■** 24, Hour 72 Hour ☐ 6 Hour ☐ 3 Hour Ace with EMSL's Terms and Conditions located in the Price Guide *Analysis completed in accorda Check Reporting Limit Instrument Method Matrix 0.01% Flame Atomic Absorption SW846-7000B Chips 
% by wt. 
mg/cm² ppm ppm П 4 µg/filter Flame Atomic Absorption **NIOSH 7082** Air 0.03 µg/filter Graphite Furnace AA NIOSH 7105 0.5 µg/filter ICP-AES/ICP-MS NIOSH 7300 modified Flame Atomic Absorption 10 µg/wipe SW846-7000B Wipe* **ASTM** 1.0 µg/wipe ICP-AES non ASTM SW846-6010B or C *if no box is checked, non-ASTM Graphite Furnace AA 0.075 µg/wipe SW846-7000B/7010 Wipe is assumed 0.4 mg/L (ppm) SW846-1311/7000B/SM 3111B Flame Atomic Absorption TCLP 0.1 mg/L (ppm) SW846-1131/SW846-6010B or C ICP-AES Flame Atomic Absorption 40 mg/kg (ppm) SW846-7000B Soil Graphite Furnace AA 0.3 mg/kg (ppm) SW846-7010 2 mg/kg (ppm) ICP-AES SW846-6010B or C 0.4 mg/L (ppm) Flame Atomic Absorption SM3111B/SW846-7000B Unpreserved Wastewater 0.003 mg/L (ppm) Graphite Furnace AA EPA 200 9 Preserved with HNO₃ pH < 2 ICP-AES 0.020 mg/L (ppm) EPA 200 7 0.003 mg/L (ppm) Graphite Furnace AA EPA 200 9 **Drinking Water** Unpreserved 0.001 mg/L (ppm) ICP-MS **EPA 200.8** Preserved with HNO₃ pH < 2 12 µg/filter ICP-AES 40 CFR Part 50 TSP/SPM Filter 3.6 µg/filter Graphite Furnace AA 40 CFR Part 50 Other: Signature of Sample Name of Sampler Date/Time Sampled Volume/Area Location Sample # 4/21/15 Bulk Outside 11th FI South West CB-01 4/21/15 Outside 11th FI North West Bulk **CB-02** 4/21/15 Bulk Outside 9th FI South Side **CB-03** Total # of Samples: 3 CB-03 Client Sample #'s CB-01 5:30 pm 4/22/15 Time: Date: Relinquished (Client); Date: Received (L Comments: Composite blend each sample, Thanks



48/19

Page 1 of 2 pages

1



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ProjectID:

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Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

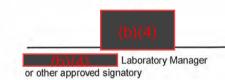
04/24/15 9:00 AM

Collected:

4/22/2015

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration			
S482 341503968-0001	4/22/2015 4/24/2015 970 L Site: Cleaning Around the Dumpster			4.1 µg/m³	<4.1 μg/m³			
S483 341503968-0002	4/22/2015 Site: Down	4/24/2015 wind of Dumpste	970 L er	4.1 μg/m³ <4.1 μg				
S484 341503968-0003	4/22/2015 Site: (b)	4/24/2015 (4) Cleaning t	910 L he 11th Floor SC Exterior Grit	4.4 µg/m³	<4.4 μg/m³			
S485 341503968-0004	4/22/2015 Site: Down	4/24/2015 nwind of Grit Cle	910 L ean-up	4.4 μg/m³	<4.4 μg/m³			
S486 341503968-0005	4/22/2015 Site: Blank	4/24/2015	0 L	4.0 μg/filter	<4.0 μg/filter			



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. ""(" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/27/2015 08:56:59



### Lead (Pb) Chain of Custody

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

EMSL Órder ID (Lab Use Only):

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Company : OH	IC Environmental Engine	ering, Inc.	EMSL-Bill to: Different / Same If Bill to is Different note instructions in Comments**					
Street: 5420 B	ay Center Drive Suite 10	0	Th	ird Party Billing requires writter	authoriz	ation from third pa	arty	
City:Tampa	State/P	rovince: FL	Zip/Postal Code: 33609 Country: United States					
Report To (Nar	me): (b)(4)		Telephone #: 813-626-8156					
Email Address	(h)(4	1)	Fax #: 8	313-623-6702	Pι	ırchase Order:		
Project Name/I	Number: Stennis B1 B2 7	Test Stand	Please Pi	rovide Results: FAX	⟨ ✓	E-mail	Mai1	
	ples Taken: MS	ļ		les: 🔲 Commercial/Taxal	ole 🔲 R	Residential/Tax	Exempt	
	Tu	rnaround Time (TA	T) Option	s* - Please Check				
☐ 3 Hour	🗋 6 Hour 🔳 24			2 Hour 🔲 96 Hour			2 Week	
	400		L's Terms a	nd Conditions located in the Pr	ice Guide	eting Limit	Check	
	Matrix	Method		Instrument	<u> </u>	orting Limit	CHECK	
Chips 🗌 % by	y wt. 🗌 mg/cm² 🔲 ppm	SW846-7000	3	Flame Atomic Absorption		0.01%		
Air 24 hr.	'	NIOSH 7082		Flame Atomic Absorption	4	µg/filter		
24 nr.		NIOSH 7105		Graphite Furnace AA		3 µg/filter		
		NIOSH 7300 mod	lified	ICP-AES/ICP-MS		5 μg/filter		
Wipe*	ASTM × non ASTM	SW846-7000E	3	Flame Atomic Absorption		µg/wipe		
*if no how is	non ASTM checked, non-ASTM	SW846-6010B	or C	ICP-AES		) µg/wipe		
11 110 100 11	Wipe is assumed	SW846-7000B/7	010	Graphite Furnace AA		75 µg/wipe		
TCLP		SW846-1311/7000B/S		Flame Atomic Absorption	0.4 mg/L (ppm)			
		SW846-1131/SW846-6		ICP-AES	0.1 mg/L (ppm)		_ \	
Soil		SW846-7000E	<del></del>	Flame Atomic Absorption	ame Atomic Absorption 40 mg/kg (ppm Graphite Furnace AA 0.3 mg/kg (ppm		- H-	
		SW846-7010 SW846-6010B (				g/kg (ppm)	_ <del></del>	
		SM3111B/SW846-7000B		Flame Atomic Absorption	•	ng/L (ppm)		
Wastewater	Unpreserved ☐ th HNO₃pH < 2 ☐	EPA 200 9				mg/L (ppm)		
Preserved wi	th HNO₃pH < 2 □	EPA 200.7				mg/L (ppm)		
	ter Unpreserved	EPA 200.9				3 mg/L (ppm)		
Preserved wi	th HNO₃ pH < 2 □	EPA 200 8				I mg/L (ppm)		
TSP/SPM Fill	ter	40 CFR Part 5		ICP-AES Graphite Furnace AA		2 µg/filter 6 µg/filter		
Other:		40 CFR Parts	-	Grapritte i difface 741	,	o pg/mto		
	Ion (b)(4)	<u> </u>	Signs	ature of Sampler:	•	(b)(4)		
Name of Sam Sample #	Locati	on	Jaight	Volume/Area /		Date/Time S	Sampled	
S482		around the dumpster		970L		4/22/15 8:40a		
\$483	Down Wind of			970L		4/22/15 8:40a		
		h floor SC exterior (Grit)		910L		4/22/15 8:55a		
S484	(8)(4)			910L		4/22/15 8:55a		
S485						4/22/		
S486	Blan	L	<u></u>	0L Total # of S	amples		13	
Client Samp			4/00/					
Relinquisher	Relinquished (Clientk (b)(4) , Date:			4/22/15 Time: 5:30 pm				
Received (L	Received (L (b)(4) atte			4/24/15 Time:	7	am		
Comments:	, , , , , ,			'				

1



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Orlando, FL 32804

PHONE. (407) 599-5887

EMSL Analytical, Inc.

5125 Adanson Street, Suite 90

LABORATORY-PRODUC	TE-TYCCHANG	L		(2)(	'/				FAX: (407) 59	9-9063	
Company : OH	C Environmental E	nginee	ering, Inc.		EMSL-Bill to: Different / Same  If Bill to is Different note instructions in Comments**						
Street: 5420 Ba	ay Center Drive Sui	ite 100	)		Third Party Billing requires written authorization from third party						
City: Tampa				FL	Zip/Postal Code: 33609 Country: United States						
Report To (Nan					Telephone #: 813-626-8156						
Email Address		(h) ( 4)	\			313-623-6702		Pı	ırchase Order:		
Broingt Name/	Number: Stennis B1	1 B2 T	est Stand			rovide Results:	FAX			Mail	
							ciai/Taxab	ole 🗀 E	Residential/Tax	Exempt	
U.S. State Samples Taken: MS  Turnaround Time (T			me (TA	CT Samples: Commercial/Taxable Residential/Tax Exempt T) Options* - Please Check							
☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour											
		mpletea				nd Conditions locat	ed in the Pn	ice Guide			
	Matrix		N	lethod		Instrume	ent	Repo	rting Limit	Check	
Chips ☐ % by	wt. ☐ mg/cm² ☐ p	opm	sw	846-7000E	3	Flame Atomic A	osorption		0.01%		
Air		- 1	NIG	OSH 7082		Flame Atomic A	osorption		µg/filter		
		į	NIC	OSH 7105		Graphite Furn			3 µg/filter		
			NIOSH	7300 mod	lified	ICP-AES/IC		_	5 μg/filter		
Wìpe*	ASTM non ASTM		SW	846-7000E	<u> </u>	Flame Atomic A			) µg/wipe		
*if no hoy is	non ASTM [	] [	SW84	6-6010B o	or C	ICP-AE			) µg/wipe	<u> </u>	
	Wipe is assumed		SW84	6-7000B/7	010	Graphite Furnace AA		0.075 μg/wipe			
TCLP			SW846-131			Flame Atomic A		0.4 mg/L (ppm)		<u> </u>	
			SW846-1131			ICP-AE		0.1 mg/L (ppm) 40 mg/kg (ppm)		<del>                                     </del>	
Soil				846-7000E V846-7010		Flame Atomic Absorption Graphite Furnace AA		0.3 mg/kg (ppm)		┝┼	
			SW846-6010B or C		ICP-AE		2 mg/kg (ppm)				
			SM3111B/SW846-7000B		Flame Atomic Absorption		0.4 mg/L (ppm)				
Wastewater	•		EPA 200 9			Graphite Furnace AA		0.003 mg/L (ppm)			
				PA 200.7		ICP-AES		0.020 mg/L (ppm)		┝	
		⊒ ]		PA 200 9		Graphite Furnace AA		0.003 mg/L (ppm) 0.001 mg/L (ppm)		┝╌╞╡╌┆	
Preserved wi	th HNO ₃ pH < 2_ $\Box$			PA 200.8 CFR Part 5	<u> </u>	ICP-MS ICP-AES			2 µg/filter		
TSP/SPM File	ter			OFR Part 5		Graphite Furnace AA			6 µg/filter		
Other:					·						
Name of San	mler: (b)(4)	· .			Sign	ature of Sampl	er:				
Sample #		ocatio	on			Volume/As			Date/Time	Sampled	
BL-14	Inside 16th			SE .		9X16 Gus	set		4/23/	15	
BL-15	Inside 16th	ı FI S	oft Core S	C		9X16 Gus	set		4/23/		
BL-16	Inside 16th FI Soft Core SW		W		9X16 Gus	set		4/23/			
BL-17	Inside 16th	FI Sc	Soft Core SCW		·	9X16 Gus	set		4/18/		
BL-18				9X16 Gus			4/18	/15			
Client Sample #'s BL-14 HRW BC-23		}	<del></del>		tal # of S	amples	1				
			Date:	4/23/	/15	Time:		5:30 pm			
Received (Lat			4)	Date:	Time:				8:53m		
Comments:						V Two gets		×			

Page 1 of ___ __pages



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE: (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
BL-19	Inside 16th Fl Soft Core Top Hand Rail Stairs,	<b>√</b> ⋅ 1.25X115.25	4/183/15
BL-20	Inside 16th FI Soft Core Bottom Hand Rail Stairs 🖊.	1.25X115.25	4/18/15
BL-21	Inside 16th FI Soft Core NE	9X16 Gusset	4/18/15
BL-22	Inside 16th Fl Soft Core	9X16 Gusset	4/18/15
BL-23	Inside 16th FI Soft Core Light	8.5X17 West Elev	4/23/15
•	·		
************			
Comments/S	pecial Instructions:		

Page 2 of 2 pages

	National Assessation and				····	DATE		May 4, 2015
	National Aeronautics and Space Administration					DATE		May 4, 2013
NASA	John C. Stennis Space Center	RACTOR TRAI	NSMITTA	LSHEE	T		SHEET	
	Stennis Space Center, MS 39529-6000					1		1
	SECTION I - REQUEST FO	OR APPROVAL (To	be Initiate	ed by the	. Contractor	)		
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,	<u>.</u>		<del>,                                    </del>	TRACT NO.		NEW SUBM	 IITTAL
	MANUFACTURER'S CERTIFICATES OF CON	•		NINIC	1 4 4 A 2 O T		1	
	(See Instructions on Reverse)			IVIVS	14AA30T	0	RESUBMITT	AL
TO	FROM		PREVIOUS T	RANSMITT	AL NO. (If Any)	TF	RANSMITTA	L NO.
(b)(4	4) HARRY PEPPER & ASS			0			361	
	ON AND SECTION NO. (Cover Only One Section With Each 7		TITLE AND LOC					
200H0-GA	04 02 82 33.13 Air & Wipe Samples Collecte	ed 4-23 thu  T	· · · · · · · · · · · · · · · · · · ·	SL430WF	B00-03 SOFT CO			Lation
ITEM	DESCRIPTION OF ITEM SUBMITTED	MANUFACTURE	D OE ITEM	NO OF	CONTRACT REF		VARIATION (See	ACTION CODE
NO.	(Type, Size, Model Number, etc.) (See Instruction No. 3)	(See Instructio	COPIES	SPECIFICATION		4 `	(See Instruction	
	· ·	·	, , , , , , , , , , , , , , , , , ,		PARAGRAPH NO.	SHEET NO.	No. 6)	No. 9
(a)	(b)	(c)		(d)	(e)	(f)	(g)	(h)
1	Air Samples Collected 4-23-15	ОНС		3	3.4.1.1.c	-	-	
2	Air Samples Collected 4-25-15	ОНС		3	3.4.1.1.c	-	_	
3	Air Samples Collected 4-27-15	ОНС		3	3.4.1.1.c	-	_	_
4	Wipe Samples Collected 12th Floor 4-27-15	ОНС		3	3.4.1.1.c	-	-	-
5	Wipe Samples Collected 13th Floor 4-27-15	ОНС		3	3.4.1.1.c	-	-	
6	Wipe Samples Collected 15th floor 4/25/15	ОНС		3	3.4.1.1.c	_	-	_
7	Wipe Samples Collected 14th Floor 4-25-15	ОНС		3	3.4.1.1.c	_	_	
-	Items 4, 5, 6 & 7 work preformed by others.		_	-	_	_	-	-
REMARKS:	3 Hard Copies included.			1 7 -	t the above submitt re correct and in st			
				1	specifications exce		ice with the co	
					NAME AND SI	GNATURE O	F CONTRACTO	OR .
	SEC	CTION II - APPRO	VAL ACTIO	V				<del></del>
ENCLOSURE	S RETURNED (List by Item No.)	NAME, TITLE, AND SI	GNATURE OF A	APPROVING	AUTHORITY	DATE		
		1						



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

OHC Environmental Engineering, Inc.

orlandolab@emsl.com

Suite 100

(813) 626-8156 (813) 623-6702 EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

OCCU56

Received:

Phone:

Fax:

04/28/15 8:58 AM

Collected:

4/23/2015

Project: Stennis B1 B2 Test Stand

Tampa, FL 33609

5420 Bay Center Drive

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S487 341504055-0005	4/23/2015 4/28/2015 Site: 10th FI Stairwell	3420 L	1.2 µg/m³	<1.2 μg/m³
S488 341504055-0006	4/23/2015 4/28/2015 Site: 11th FI Stairwell	3440 L	1.2 µg/m³	<1.2 µg/m³
S489 341504055-0007	4/23/2015 4/28/2015 Site: 14th FI Above the D	3496 L Decon	1.1 µg/m³	<1.1 µg/m³
S490 341504055-0008	4/23/2015 4/28/2015 Site: 13th FI Outside the	3500 L Decon	1.1 μg/m³	<1.1 µg/m³
S491 341504055-0009	4/23/2015 4/28/2015 Site: 12th FI Below the D	3520 L Decon	1.1 μg/m³	<1.1 µg/m³
S492 341504055-0010	4/23/2015 4/28/2015 Site: (b)(4)	800 L repping Inside South Containment	5.0 μg/m³	<5.0 μg/m³
S493 341504055-0011	4/23/2015 4/28/2015 Site: (b)/4) Pr	800 L repping Inside South Containment	5.0 μg/m³	<5.0 μg/m³
S494 341504055-0012	4/23/2015 4/28/2015 Site: on the 15th Floor B	700 L Below Where ADS is Cutting the G	5.7 μg/m³	<5.7 µg/m³
S495 341504055-0013	4/23/2015 4/28/2015 Site: Blank	0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter, ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/28/2015 14:05:14

EREST ANALYTICAL, INC.

# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

					70. <u>9</u> 0	FMQI -	Bill to: D	ifferent .	/ Same	
Company : OHC	Environmenta	I Enginee	ering, In	G.		If Bill to is D	fferent note instr	uctions in Comme	nts**	
Street: 5420 Bay	Center Drive	Suite 100	)		Third Party Billing requires written authorization from third party					
City:Tampa		State/Pr		FL	Zip/Postal Code: 33609 Country: United States					
Report To (Name	(b)(4)				Telephone #: 813-626-8156					
Email Address		(b)(4	7		Fax #:	813-623-6702			e Order:	Mail
Project Name/Nu	mber: Stennis	B1 B2 T	est Star	nd	Please	Provide Results	FAX			
U.S. State Samp	es Taken: MS			•	CT Sam	ples: 🗌 Comm	ercial/Taxab	le 🗌 Reside	ntial/Tax	Exempt
		Tu	rnarour	nd Time (TA	T) Optio	ns* - Please 🤇	Check	□ 4 9Vs ale		2 Week
3 Hour	6 Hour	<b>2</b> 4	Hour	☐ 48 Hour			96 Hour	1 Week		2 446GV
		s completed	in accord	dance with EMS Method	SL's Terms	and Conditions lo	ment	Reporting	Limit	Check
	Matrix					Flame Atomic		0 01%		
Chips ☐ % by v	vt. 🗌 mg/cm²	☐ ppm		SW846-7000	3					
Air 24 hr.				NIOSH 7082	2	Flame Atomic		4 µg/fil		- TEN
24 nr.		3		NIOSH 7105		Graphite F		0.03 µg/ 0.5 µg/f		<del></del>
			N	IOSH 7300 mo		ICP-AES		0.5 μg/ν 10 μg/ν		
Wipe* 6hr.	ASTM		L	SW846-7000		Flame Atom				
	non ASTM hecked, non-ASTM			SW846-6010B		ICP-		1.0 µg/v		
"If no box is c	Wipe is assumed	i	1	SW846-7000B/		Graphite F		0.075 μg/ 0.4 mg/L (		
TCLP			SW846-1311/7000B/SM 3111B					(ppm)	<del>- H-</del>	
			SW846-1131/SW846-6010B or C				Flame Atomic Absorption 40 m		The second livery with the second	
Soil				SW846-7000			urnace AA	0.3 mg/kg		
				SW846-6010B			AES	2 mg/kg		
	Programme and an experience of the second		SM3111B/SW846-7000B						(ppm)	
Wastewater	Unpreserved		EPA 200 9			Graphite Furnace AA		(ppm)	<del>-    </del> -	
Preserved with	1 HNO ₃ pH < 2	لا د	EPA 200.7		ICP-AES		0.020 mg/l 0.003 mg/l	1		
Drinking Wate	r Unpreserved		EPA 200.9			Graphite Furnace AA ICP-MS		(ppm)		
Preserved wit	$h HNO_3 pH < 2$	2 🗆		EPA 200.8 40 CFR Part			-AES	12 µg/f		
TSP/SPM Filte	er			40 CFR Part			urnace AA	3.6 µg/		
Other:			<del> </del>							
	-len (b)(4)	,		W	Sic	nature of San	npler:	(b)(4)		
Name of Sam	prer(D)(4)	Locat	ion	<u> </u>	T	Volume				Sampled
Sample # S487	1	0th FI S		l		342	0L <u>/</u>	4/23	-24/15 10.4	5am 3·15pm
S488		1th FI S				344	OL	4/23-	24/15 10:3	6am 3:16pm
<u> </u>					1	349	6L	4/23	-24/15 10.1	2am 3 20pn
S489	14th FI Above the Decon					350		4/23	-24/15 10:1	15am 3:25pn
S490	13th FI Outside the Decon			-	352		4/23	-24/15 10·2	25am 3:45pm	
S491 12th Fl Below the Decon					100 - 3	5CGW192	Total # of S	Samples:	73	
Client Sample #'s   \$467 - \$495			442		141	24/15	Time		0 pm	
Relinquished (Client):				Date	: 7/4	11.01.0		•	58	
Received (Lab): (b)(				Date:		128/15	Time:	8	<u>., 0</u>	
Comments:										
	_									

Page 1 of ____



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Location	Volume/Area	Date/Time Sampled
(b)(4) Prepping Inside the South Containment	800L	4/23/15 9:25am 4:05pm
Prepping Inside the South Containment	800L	4/23/15 9:25am 4:05pm
On the 15th Floor below were ADS is cutting the Grating for Doleac	700L	4/23/15 10:10am 4 00pm
Blank	OL	4/23/15
Inside 13th Fl Decon	12X12	4/23/15
Outside 13th FI Decon	12x12	4/23/15
Inside 13th Fl Decon	12x12	4/24/15
Outside 13th Fl Decon	12x12	4/24/15
ecial Instructions:		
	(b)(4) Prepping Inside the South Containment  (b)(4) Prepping Inside the South Containment  On the 15th Floor below were ADS is cutting the Grating for Dolesc  Blank  Inside 13th FI Decon  Outside 13th FI Decon  Inside 13th FI Decon  Outside 13th FI Decon  Outside 13th FI Decon	Prepping Inside the South Containment 800L  (Is)(A) Prepping Inside the South Containment 800L  On the 15th Floor below were ADS is cutting the Grating for Dolesc 700L  Blank 0L  Inside 13th FI Decon 12X12  Outside 13th FI Decon 12x12  Inside 13th FI Decon 12x12  Outside 13th FI Decon 12x12

Page 2 of 2 pages



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156 (813) 623-6702

Received: Collected:

Fax:

04/28/15 8:58 AM

4/25/2015

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S496 341504054-0003	4/25/2015 4/28/2015 Site: 10th FI Stairwell	902 L	4.4 μg/m³	<4.4 µg/m³
S497 341504054-0004	4/25/2015 4/28/2015 Site: 11th FI Stairwell	904 L	4.4 μg/m³	<4.4 μg/m³
S498 341504054-0005	4/25/2015 4/28/2015 Site: 14th FI Above the	770 L Decon	5.2 μg/m³	<5.2 μg/m³
S499 341504054-0006	4/25/2015 4/28/2015 Site: 13th FI Outside the	790 L ne Decon	5.1 μg/m³	<5.1 μg/m³
S500 341504054-0007	4/25/2015 4/28/2015 Site: 12th FI Below the	828 L Decon	4.8 μg/m³	<4.8 μg/m³
S501 341504054-0008	4/25/2015 4/28/2015 Site: (h)(4) Pre	896 L pping Inside South Containment	4.5 μg/m³	<4.5 μg/m³
S502 341504054-0009	4/25/2015 4/28/2015 Site: Blank	0 L	4.0 μg/filter	<4.0 µg/filter



Page 1 of 1

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "c" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/28/2015 14:40:36



### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

MSL Order ID (Lab Use Only	<i>(</i> ):	Orlando, FL 32804
(b)(4)		PHONE: (407) 599-5887 FAX: (407) 599-9063

Company_OHC Environmental Engineering, Inc.   EMSL-Bill for:   District early Street: \$420 Bay Center Drive Suite 100   Trive Party Billing requires writen authorization from third party.   Country; United States   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip Fact   Chip											1.00	1 (10)		
City: Tampa	Company: OHC Environmental Engineering, Inc.						<del>-</del> 1							
Telephone #: 813-628-8156   Purchase Order:	Street: 5420 Bay Center Drive Suite 100													
Fax #: 813-623-6702	City: Tampa		State/Pi	rovince:	FL						Co	untry: Unit	ed State	<u>s</u>
Project Name/Number; Stennis   B1 B2 Test Stand   Please Provide Results:   FAX   Fa-mail   Mail   U.S. State Samples Taken: MS	Report To (Nam	e): (b)(4)				$\overline{}$				6				
Vis.   State   Samples   Taken: MS	Email Address:		(b)(4	)			Fax #:	8 <b>13-</b> 623	3-6702					
State Samples Taken: MS	Project Name/N	umber: Stennis	B1 B2 T	est Star	nd									
3 Hour     24 Hour     48 Hour     72 Hour     96 Hour     1 Week   2 Week   74 Hour     96 Hour     96 Hour     1 Week   2 Week   74 Hour     96 Hour     96 Hour     1 Week   2 Week   74 Hour     96 Hour     96 Hour     1 Week   2 Week   74 Hour     96 Hour     1 Week   2 Week   74 Hour     96 Hour     1 Week   2 Week   74 Hour     96 Hour     1 Week   2 Week   1 Week   2 Week   1 Week   2 Week   1 Week   2 Week   2 Week   1 Week   2 Week   1 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Week   2 Wee	U.S. State Samp	les Taken: MS									le 🗌 R	Residential/	ax Exe	<u>mpt</u>
Shour			Tu	rnarour	nd Time (	ΓAΤ								
Matrix	☐ 3 Hour	6 Hour	<b>2</b> 4	Hour					. —				2 AAG	30K
Chips   % by wt.   mg/cm²   ppm   SW846-7000B   Flame Atomic Absorption   0.01%			completed	in accord			's Terms a	na Condi	netrumen	in the Pric	Renc	rtina Limi	Ch	eck
NIOSH 7082   Flame Alomic Absorption   4 µg/filter   NIOSH 7082   Flame Alomic Absorption   4 µg/filter   NIOSH 7105   Craphile Furnace AA   0.03 µg/filter   1 µg/wijpe   1				<del></del>										
NIOSH 7105   Graphite Furnace AA   0.03 µg/filter	Chips 🗌 % by	wt. 🗌 mg/cm² 📗	☐ bbш		SW846-70	00B								
NIOSH 7300 modified   ICP-AESI/CP-MS   0.5 µg/filter	Airoch				NIOSH 70	082		Flame	Atomic Abso	orption			1 4	
SW846-7000B	24 nr.								<u> </u>					
SW846-8010B or C   ICP-AES   1.0 µg/wipe				N			ied							
SV846-8010B or C   SV846-7000B/7010   Graphite Furnace AA   0.075 µg/wipe   C	Wipe* (_ b.				SW846-70	00B		Flame		orption			1 - 7	<b>#</b>
SW846-1311/7000B/N3111B   Flame Atomic Absorption   O.4 mg/L (ppm)   SW846-1311/7000B/N3111B   Flame Atomic Absorption   O.4 mg/L (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)   O.5 mg/kg (ppm)	•	non ASTM			SW846-6010	B or	C	<b></b>					<del></del>	┽
SVW346-1131/SVW346-6010B or C   ICP-AES   0.1 mg/L (ppm)	II IIO DOK IB C	Wipe is assumed												<del></del>
Soil	TCLP											╡		
SW846-7010   Graphite Furnace AA   0.3 mg/kg (ppm)   SW846-6010B or C   ICP-AES   2 mg/kg (ppm)   Drinking Water   Unpreserved   EPA 200.9   Graphite Furnace AA   0.003 mg/L (ppm)   Drinking Water Unpreserved   EPA 200.9   Graphite Furnace AA   0.003 mg/L (ppm)   Drinking Water Unpreserved   EPA 200.9   Graphite Furnace AA   0.003 mg/L (ppm)   Drinking Water Unpreserved   EPA 200.9   Graphite Furnace AA   0.003 mg/L (ppm)   Drinking Water Unpreserved   EPA 200.9   Graphite Furnace AA   0.003 mg/L (ppm)   Drinking Water Unpreserved   EPA 200.9   Graphite Furnace AA   0.003 mg/L (ppm)   Drinking Water Unpreserved   EPA 200.9   Graphite Furnace AA   0.003 mg/L (ppm)   Drinking Water Unpreserved   EPA 200.9   Graphite Furnace AA   0.003 mg/L (ppm)   Drinking Water Unpreserved   EPA 200.9   Graphite Furnace AA   0.003 mg/L (ppm)   Drinking Water Unpreserved   EPA 200.9   Graphite Furnace AA   0.003 mg/L (ppm)   Drinking Water Unpreserved   EPA 200.9   Graphite Furnace AA   0.003 mg/L (ppm)   Drinking Water Unpreserved   EPA 200.9   Graphite Furnace AA   0.003 mg/L (ppm)   Drinking Water Unpreserved   EPA 200.9   Graphite Furnace AA   0.003 mg/L (ppm)   Drinking Water Unpreserved   EPA 200.9   Graphite Furnace AA   0.003 mg/L (ppm)   Drinking Water Unpreserved   Drinking Water Unpreserved   EPA 200.9   Graphite Furnace AA   0.003 mg/L (ppm)   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unpreserved   Drinking Water Unp				SW846			10B or C	Floor					_	
SW846-6010B or C   ICP-AES   2 mg/kg (ppm)	Soil						<u></u>							
Wastewater Preserved Preserved Preserved with HNO₂ pH < 2         SM3111B/SW846-7000B   Flame Atomic Absorption   0.4 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (ppm)   1.2 mg/L (p							c	1 - 5,4	<del> </del>					
Preserved with HNO₃ pH < 2								Flame	Atomic Abs	orption				
Drinking Water Unpreserved ☐ EPA 200.9         EPA 200.9         Graphite Furnace AA         0.003 mg/L (ppm)         ☐           Preserved with HNO₃ pH < 2			믐	EPA 200.9		).9	Graphite Furnace AA					ᆜ		
Preserved with HNO ₃ pH < 2	Preserved Wit	n HNO₃ pH < Z		EPA 200.7							Name of Street, or other Designation of the Owner, where the Party of the Owner, where the Party of the Owner,			<del> </del>
TSP/SPM Filter												<u> </u>		
TSP/SPM Filter	Preserved wit	th HNO ₃ pH $< 2$				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>							
Other:         Signature of Sampler:         (b)(4)           Sample #         Location         Volume/Area         Date/Time Sampler           S496         10th Fl Stairwell         902L         4/25/15 8:12am 3:43g           S497         11th Fl Stairwell         904L         4/25/15 8:10am 3:42g           S498         14th Fl Above the Decon         770L         4/25/15 8:40am 3:15g           S499         13th Fl Outside the Decon         790L         4/25/15 8:43am 3:18g           S500         12th Fl Below the Decon         828L         4/25/15 8:47am 3:41g           Client Sample #'s         -         Total # of Samples:           Relinquished (Client):         Date:         4/25/15         Time:         5:30 pm           Received (Lab):         Date:         4/25/15         Time:         8'.58	TSP/SPM Filt	er												
Name of Sampler:   Chi(4)   Signature of Sampler:   Chi(4)   Sample #   Location   Volume/Area   Date/Time Sampler:   S496   10th FI Stairwell   902L   4/25/15 8:12am 3:43g   S497   11th FI Stairwell   904L   4/25/15 8:10am 3:42g   S498   14th FI Above the Decon   770L   4/25/15 8:40am 3:15g   S499   13th FI Outside the Decon   790L   4/25/15 8:43am 3:18g   S500   12th FI Below the Decon   828L   4/25/15 8:47am 3:41g   Client Sample #'s	Other:		******				***************************************		· · · · · · · · · · · · · · · · · · ·					
Sample #   Location   Yolume/Area   Date/Time Sample   S496   10th Fl Stairwell   902L   4/25/15 8:12am 3:43g   S497   11th Fl Stairwell   904L   4/25/15 8:10am 3:42g   S498   14th Fl Above the Decon   770L   4/25/15 8:40am 3:15g   S499   13th Fl Outside the Decon   790L   4/25/15 8:43am 3:18g   S500   12th Fl Below the Decon   828L   4/25/15 8:47am 3:41g   Client Sample #'s		nler: (b)(4)		-	- Here the		Sigr	ature o	f Sampler	<u>';</u>				
S496       10th FI Stairwell       902L       4/25/15 8:12am 3:43g         S497       11th FI Stairwell       904L       4/25/15 8:10am 3:42g         S498       14th FI Above the Decon       770L       4/25/15 8:40am 3:15g         S499       13th FI Outside the Decon       790L       4/25/15 8:43am 3:18g         S500       12th FI Below the Decon       828L       4/25/15 8:47am 3:41g         Client Sample #'s       Total # of Samples:         Relinquished (Client):       Date:       4/25/15       Time:       5:30 pm         Received (Lab):       Date:       4/25/15       Time:       8':58		pieri (D)(4)	Locati	ion	***************************************							Date/Tin	ne Sam	pled
S497       11th Fl Stairwell       904L       4/25/15 8:10am 3:42g         S498       14th Fl Above the Decon       770L       4/25/15 8:40am 3:15g         S499       13th Fl Outside the Decon       790L       4/25/15 8:43am 3:18g         S500       12th Fl Below the Decon       828L       4/25/15 8:47am 3:41g         Client Sample #'s       -       Total # of Samples:         Relinquished (Client):         Date: 4/25/15       Time: 5:30 pm         Time: 8:58		10	th FI S	tairwell	<u> </u>				902L	[		4/25/15 8:	12am 3	:43pm
S498       14th FI Above the Decon       770L       4/25/15 8:40am 3:15g         S499       13th FI Outside the Decon       790L       4/25/15 8:43am 3:18g         S500       12th FI Below the Decon       828L       4/25/15 8.47am 3:41g         Client Sample #'s       -       Total # of Samples:         Relinquished (Client):       Date:       4/25/15       Time:       5:30 pm         Received (Lab):       Date:       4/25/15       Time:       8/58		11	th FI S	tairwell					904L			4/25/15 8:	10am 3	:42pm
S499       13th FI Outside the Decon       790L       4/25/15 8:43am 3:18         S500       12th FI Below the Decon       828L       4/25/15 8.47am 3:41         Client Sample #'s       -       Total # of Samples:         Relinquished (Client):       Date:       4/25/15       Time:       5:30 pm         Received (Lab):									770L			4/25/15 8:	40am 3	:15pm
S500   12th Fi Below the Decon   828L   4/25/15 8.47am 3:41     Client Sample #'s   -   Total # of Samples:     Relinquished (Client):   Date:   4/25/15   Time:   5:30 pm     Received (Lab):   Time:   8/58						790L 4/25/15 8:43			43am 3	3:18pm				
Client Sample #'s   Total # of Samples:							828L			4/25/15 8	47am 3	3:41pn		
Relinquished (Client):   Date: 4/25/15   Time: 5:30 pm     Received (Lab):   Date: 4/25/15   Time: 8:58			, 00,01	(100					Tota	# of S	ample	s:		
Received (Lab):    Received (Lab):   Date:			-		Dat	٠۵٠	4/2	5/15						
Received (Lab):							41	2011	-	1		8:58	<del></del>	
		)): 	<u>, (n)</u>	1)	Dat	e	<i>\-\{\f</i> *	<del>~ [2]</del> [}						



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
	(b)(4) Prepping Inside the South Containment	896L	4/25/15 7:50am 3:18pm
S502	Blank	OL	4/25/15
SCGW193	Inside 13th Fl Decon	12X12	4/25/15
SCGW194	Outside 13th FI Decon	12X12	4/25/15
Comments/Spe	cial Instructions:		



5125 Adanson Street, Suite 900, Orlando, FL 32804 (407) 599-5887 / (407) 599-9063 http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO:

ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax: Received:

(813) 623-6702 04/29/15 9:21 AM

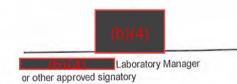
(813) 626-8156

Collected: 4/27/2015

Project: Stennis B1 B2 Test Stand

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S503 341504125-0003	4/27/2015 Site: 10th F	4/29/2015 I Stairwell	940 L	4.3 μg/m³	<4.3 µg/m³
S504 341504125-0004	4/27/2015 Site: 11th F	4/29/2015 FI Stairwell	936 L	4.3 μg/m³	<4.3 µg/m³
S505 341504125-0005		4/29/2015 I Above the De	900 L econ	4.4 μg/m³	<4.4 µg/m³
S506 341504125-0006		4/29/2015 Fl Outside the	914 L Decon	4.4 μg/m³	<4.4 µg/m³
S507 341504125-0007	4/27/2015 Site: 12th F	4/29/2015 FI Below the De	936 L econ	4.3 μg/m³	<4.3 μg/m³
S508 341504125-0008	4/27/2015 Site:	4/29/2015 b)(4)	380 L repping Inside South Containmen	11 μg/m³	<11 μg/m³
S509 341504125-0009	4/27/2015 Site:	4/29/2015	380 L nnecting Dust Collector Tubing	11 μg/m³	<11 μg/m³
S510 341504125-0010	4/27/2015 Site: Blank	4/29/2015	0 L	4.0 µg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter, ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m². OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/29/2015 13:05:44

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



#### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

(b)(4) Phon

Orlando, FL 32804
PHONE: (407) 599-5887
FAX: (407) 500-0063

													99-9003
Company: OHC Environmental Engineering, Inc.					EMSL-Bill to: Different / Same If Bill to is Different note instructions in Comments**								
Street: 5420 Ba	itreet: 5420 Bay Center Drive Suite 100				Third Party Billing requires written authorization from third party								
City: Tampa	State/Province: FL			Zip/Postal Code: 33609 - Country: United States									
Report To (Nar	ne): (b)(4)					Teleph	none #: 8	13-626-81	56				
Email Address		(b)(4	.)			Fax #:	813-62	3-6702		P	urchase	Order	:
Project Name/	lumber: Stennis	B1 B2 7	est St	and		Please	Provide i	Results:	FA	x 7	E-mail		Mail
	ples Taken: MS						mples: 🔲		ial/Taxa	ble 🗔	Resident	ial/Tax	Exempt
U.S. State Sain	pies raken. me	Tu	rnaroi	und Time	- (TA		ons* - Pl						
☐ 3 Hour	6 Hour	<b>2</b> 4			Hour		72 Hour		Hour		l Week		2 Week
							s and Cond			. –			
	Matrix			Met				nstrume			orting L	mit	Check
Chips 🗌 % by	wt. 🗌 mg/cm² 🖺	] ppm		SW846	-7000E	3	Flame	Atomic Ab	sorption		0.01%		
Air 24 hr.				NIOSH	17082		Flame	Atomic Ab	sorption	4	4 μg/filter	,	<b>20</b>
2 <del>4</del> III.	٠.			NIOSH	17105			phite Furna			03 µg/filte		
-W				NIOSH 730	0 mod	lified	IC	P-AES/ICP	-MS	0.	.5 µg/filte	er	
Wipe* (Lh/5	ASTM	<b>松</b>		\$W846	-7000E	3	Flame	Atomic Ab	sorption	1	0 μg/wip		密
· ·	non ASTM checked, non-ASTM			SW846-60				ICP-AES		1	.0 μg/wip		
L	Wipe is assumed			SW846-70				phite Furna			)75 μg/wi		
TCLP	•			46-1311/70				Atomic Ab			mg/L (pr		
	Minimum 1994		SW84	16-1131/SW						The second second	mg/L (pr		
Soil			SW846-7000B SW846-7010			Flame Atomic Absorption Graphite Furnace AA			40 mg/kg (ppm) 0.3 mg/kg (ppm)				
			SW846-6010B or C		0,0	ICP-AES		2 mg/kg (ppm)					
			SM3111B/SW846-7000B			Flame	Flame Atomic Absorption			0.4 mg/L (ppm)			
Wastewater	Unpreserved		EPA 200.9			Graphite Furnace AA		0.003 mg/L (ppm)					
Preserved with	th HNO₃ pH < 2		EPA 200 7				ICP-AES		0.020 mg/L (ppm)				
<b>Drinking Wat</b>	<b>er</b> Unpreserved			EPA 200.9		Gra	Graphite Furnace AA		0.003 mg/L (ppm)				
Preserved wi	th HNO ₃ pH < 2				200.8			ICP-MS			0.001 mg/L (ppm)		<del>┞╌╞</del> ┤┤
TSP/SPM Filt	er			40 CFR				ICP-AES Graphite Furnace AA		12 µg/filter 3 6 µg/filter		<del>                                     </del>	
Other				40 CFR	Palls	00	Gie	prine rumo	ice ~~	<del>                                     </del>	ομg/mic	<i>J</i> 1	
Other:	(1-)(4)	<del> </del>		<u> </u>		61	gnature o	f Comple	M.	1	(b)(4)		
Name of Sam	pler: (b)(4)	Locati	<u> </u>		4	<u>  31</u>		lume/Are	<del></del>		Date/	Time :	Sampled
Sample # S503	10t	h Fl St		 			- 40	940L	, <u>u</u> ,				am 4:05pm
S504							<del></del> ~	936L			4/27/15	8:14	am 4:02pm
\$505	11th Fl Stairwell 14th Fl Above the Decon			900L		<del> </del>		am 3:55pm					
	13th Fl Outside the Decon		914L		<b>-</b>		am 3·57pm						
		<u> </u>		936L					am 4:00pm				
S507 12th FI Below the Decon Client Sample #'s -					· · · · · · · · · · · · · · · · · · ·				al # of S	ample			
		/L\//\				Al	27/15	1	1		5:30 p	m	
Relinquished	i (Client):	(b)(4)		, D	ate:		11/20	1.~	Time	0.0			
Received (				<u> </u>	ate:		4/21/	15_	Time:	712	Van	Y	
	1												
1													

Page 1 of ____ pages





EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S508	(b)(4) Prepping Inside the South Containment	380L	4/27/15 8,20am 11.30am
S509	(b)(4) /Disconnecting the dust collector tubing	380L	4/27/15 8:20am 11:30am
S510	Blank	OL	4/27/15
SCGW195	Inside 13th FI Decon	12X12	4/27/15
SCGW196	Outside 13th Fl Decon	12X12	4/27/15
·			
Comments/Spe	ecial Instructions:		

Page 2 of 2 pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

(813) 626-8156 Phone: (813) 623-6702 Fax:

04/29/15 9:21 AM Received:

4/27/2015 Collected:

### Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed	Area Sampled	RDL	Lead Concentration
BL-42 341504127-0001	4/27/2015 4/30/2015 Site: Inside 12th FI Soft	144 in² Core SC	10 μg/ft²	340 µg/ft²
BL-43 341504127-0002	4/27/2015 4/30/2015 Site: Inside 12th FI Soft	144 in² Core SW	10 μg/ft²	500 μg/ft²
BL-44 341504127-0003	4/27/2015 4/30/2015 Site: Inside 12th FI Soft	144 in² Core SCW	10 μg/ft²	93 μg/ft²
BL-45 341504127-0004	4/27/2015 4/30/2015 Site: Inside 12th FI Soft	144 in² Core Top Handrail Stairs	10 μg/ft²	140 μg/ft²
BL-46 341504127-0005	4/27/2015 4/30/2015 Site: Inside 12th FI Soft	144 in² Core Bottom Handrail Stairs	10 μg/ft²	880 μg/ft²
BL-47 341504127-0006	4/27/2015 4/30/2015 Site: Inside 12th FI Soft	144.5 in² Core NE	10 μg/ft²	600 μg/ft²
BL-48 341504127-0007	4/27/2015 4/30/2015 Site: Inside 12th FI Soft	144 in² Core NCW	10 μg/ft²	68 μg/ft²
BL-49 341504127-0008	4/27/2015 4/30/2015 Site: Inside 12th FI Soft	144 in² Core NW	10 μg/ft²	840 µg/ft²
BL-50 341504127-0009	4/27/2015 4/30/2015 Site: Inside 12th FI Sof	144 in² t Core NC	10 µg/ft²	66 µg/ft²
BL-51 341504127-0010	4/27/2015 4/30/2015 Site: Inside 12th FI Sof	144 in² t Core NE	10 μg/ft²	340 µg/ft²
BL-52 341504127-0011	4/27/2015 4/30/2015 Site: Inside 12th FI Sof	144 in² t Core NCE	10 μg/ft²	200 μg/ft²



"Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/li2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. ""c" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/30/2015 11:29:52





### Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

						- T C C				
Company: OHC Environmental Engineering, Inc.					EMSL-Bill to: Different & Same  If Bill to is Different note instructions in Comments**					
Street: 5420 Ba	420 Bay Center Drive Suite 100			Third Party Billing requires written authorization from third party						
City: Tampa			ovince: FL		l Code: 33609	Co	untry: United	States		
Report To (Nan	ne): (b)(4)				e#: 813-626-8156	<del></del>				
Email Address:	(	'b)(4'	)	Fax #: 8	13-623-6702		rchase Order:			
Project Name/N	iumber: Stennis B1	B2 T	est Stand		ovide Results: FAX			Mail		
U.S. State Sam	ples Taken: MS				les: 🗌 Commercial/Taxab	le 🗌 R	esidential/Tax	Exempt		
		Tu	rnaround Time (TA	T) Option						
3 Hour	☐ 6 Hour	☐ 24 I	Hour 🔳 48 Hour	72	Hour 96 Hour			2 Week		
	*Analysis cor	mpleted		L's Terms ar	nd Conditions located in the Pr	ice Guide	-time I imit	Check		
	Matrix		Method		Instrument		rting Limit	CHECK		
Chips ☐ % by	wt. ☐ mg/cm² ☐ p	pm	SW846-7000E	3	Flame Atomic Absorption		0.01%			
Air		1	NIOSH 7082		Flame Atomic Absorption		μg/filter			
			NIOSH 7105		Graphite Furnace AA		3 µg/filter	<del> - </del>		
	was a second and a second and a second and a second and a second and a second and a second and a second and a		NIOSH 7300 mod		ICP-AES/ICP-MS		µg/filter			
Wipe*	ASTM 📕		SW846-7000E		Flame Atomic Absorption		μg/wipe			
*if no box is	non ASTM [ checked, non-ASTM	_	SW846-6010B (		ICP-AES Graphite Furnace AA		µg/wipe 5 µg/wipe			
	Wipe is assumed		SW846-7000B/7				ng/L (ppm)			
TCLP			SW846-1311/7000B/S SW846-1131/SW846-6		Flame Atomic Absorption ICP-AES		ng/L (ppm)	<del> 1</del>		
			SW846-7000		Flame Atomic Absorption	40 mg/kg (ppm)				
Soil			SW846-7010		Graphite Furnace AA	0.3 mg/kg (ppm)				
ł			SW846-6010B		ICP-AES	2 mg/kg (ppm)				
		_	SM3111B/SW846-	7000B	Flame Atomic Absorption	0.4 mg/L (ppm)				
Wastewater		-	EPA 200 9	Graphite Furnace AA			mg/L (ppm)			
			EPA 200 7		ICP-AES	0.020 mg/L (ppm)		┝╼╪┷┥		
			EPA 200 9		Graphite Furnace AA ICP-MS	0.003 mg/L (ppm) 0.001 mg/L (ppm)				
Preserved wi	th HNO ₃ pH < 2 $\Box$	]	EPA 200.8 40 CFR Part		ICP-AES	12 µg/filter				
TSP/SPM File	ter		40 CFR Part		Graphite Furnace AA	3.6 µg/filter				
Other:			10 017.1 41.1							
	(b)(A)		L	Sign	ature of Sampler:					
Name of San Sample #		ocati	ΛN	1 5.31.	Volume/Area /	Ť	Date/Time	Sampled		
BL-42			Soft Core SC		9X16 Gusset		4/27/	′15		
BL-43					9X16 Gusset		4/27/	15		
				9X16 Gusset			4/27/	/15		
BL-44				1.25X115.25		4/27/	/15			
			1.25X115.25		4/27/	/15				
1	BL-46 Inside 12th FI Soit Core Bottom Hand Kan States									
Chefit dailipie#\$ Oc. 10										
Relinquishe	d (Client): (b)		, Date:	4/27	/15 Time:	9.0	5:30 pm			
Received			Date:		4/29/15 Time:	1.2	1WIV			
Comment	(D)(	'/			, (					
1										

Page 1 of ____ pages



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

(b)(4)

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
BL-47	Inside 12th Fl Soft Core NE	8.5X17 Light	4/27/15
BL-48	Inside 12th FI Soft Core NCW	9X16 Gusset	4/27/15
BL-49	Inside 12th FI Soft Core NW	9X16 Gusset	4/27/15
BL-50	Inside 12th Fl Soft Core NC	9X16 Gusset	4/27/15
BL-51	Inside 12th FI Soft Core NE	9X16 Gusset	4/27/15
BL-52	Inside 12th FI Soft Core NCE	9X16 Gusset	4/27/15
Comments/S	pecial Instructions:	1	

 $\mathsf{Page}\, \underline{2} \quad \mathsf{of}\, \underline{2} \quad \mathsf{pages}$ 



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

04/29/15 9:21 AM

Collected:

4/27/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed Area Sampled	RDL	Lead Concentration
SCGW195 341504125-0001	4/27/2015 4/29/2015 144 in² Site: Inside 13th FI Decon	10 µg/ft²	190 µg/ft²
SCGW196 341504125-0002	4/27/2015 4/29/2015 144 in ² Site: Outside 13th FI Decon	10 μg/ft²	1100 µg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/29/2015 11:56:01

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



#### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

(Lab Use Only): Orlando, FL 32804 PHONE: (407) 599-588

PHONE: (407) 599-5887 FAX: (407) 599-9063

LABORATORY PRODUCT	I I I I I I I I I I I I I I I I I I I			(~),	( ' /						1 //// (4	07) 58	19-9063	
Company: OH	C Environmental	Engine	ering, I	nc.			<b>EN</b> If Bill	VISL-Bill to to is Differen	o: I nt note instr	Differ Tuctions in	ent / Comments	Same		
Strapt: 5420 Ba	y Center Drive S	Suite 10	0		Third Party Billing requires written authorization from third party					1				
City: Tampa		State/P		: FL	Zip/Postal Code: 33609 Country: United States					$\neg$				
Report To (Nam	ne): (b)(4)				Tele	phone	e#: 813	-626-815	6					$\dashv$
Email Address: (b)(4)					Fax	#: 8	13-623-0	6702		Pu	ırchase			_
Project Name/N	lumber: Stennis	B1 B2 7	est Sta	and	Plea	se Pr	ovide Re	sults:	FAX	<b>√</b>	E-mail		Mail	_
II.S. State Same	ples Taken: MS				CT S	Sampl	es: 🗌 C	ommerci	al/Taxab	le 🗌 F	Resident	ial/Tax	Exempt	
Turnaround Time (Ta			ind Time (TA										$\Box$	
☐ 3 Hour	■ 6 Hour	國 24	Hour	☐ 48 Hou	r	<b>72</b>	Hour	□ 96	Hour	_	Week		2 Week	
		complete	d in acco	ordance with EMS	SL's Te	rms an				ce Guide				_
	Matrix			Method			ln	strumen	t		orting L	imit	Check	늬
Chips ☐ % by	wt. ☐ mg/cm² [	□ ppm		SW846-7000	В		Flame A	Atomic Abs	orption		0.01%			_
Air 24 hr.				NIOSH 7082				Atomic Abs			µg/filter		<b>20</b>	_
	· ,			NIOSH 7108				nite Furnaci -AES/ICP-N	~		3 μg/filt 5 μg/filte		<del>   - - </del> -	$\dashv$
and the second section of the second				NIOSH 7300 mod							) µg/wip		極	ᅥ
Wipe* (LL/5	ASTM non ASTM		ļ	SW846-7000	<del></del>			Atomic Abs	orphon		) μg/wip Ο μg/wip			$\dashv$
*if no box is	checked, non-ASTM Wipe is assumed	Ш	ļ	SW846-7000B/7				nite Furnac	e AA		75 μg/wip			-1
TCLP	eripe to addunica		S\A/8	46-1311/7000B/	a series and	1B	Flame /	Atomic Abs	orption		mg/L (pr			_
ICLP	SW846-1131/SW846-6				ICP-AES		0.1 mg/L (ppm)							
Soil		***	SW846-7000B			Flame Atomic Absorption		40 mg/kg (ppm)			_			
			SW846-7010			Graphite Furnace AA		0.3 mg/kg (ppm)		┡╌╞╬╴	-1			
			SW846-6010B or C				ICP-AES		2 mg/kg (ppm)		<del>                                     </del>	ᅱ		
Wastewater	Unpreserved		SM3111B/SW846-7			B Flame Atomic Absorption Graphite Furnace AA		0.4 mg/L (ppm) 0.003 mg/L (ppm)		┝┾┼				
	h HNO₃ pH < 2		EPA 200.9 EPA 200 7			ICP-AES		0.020 mg/L (ppm)						
	er Unpreserved		EPA 200.9			Graphite Furnace AA		e AA	0.003 mg/L (ppm)					
	th HNO ₃ pH < 2	H		EPA 200.8			ICP-MS		0.001 mg/L (ppm)					
				40 CFR Part	50		ICP-AES		12 µg/filter					
TSP/SPM Filt	er			40 CFR Part			Graphite Furnace AA		e AA	3	6 µg/filte	er	<u> </u>	
Other:			<u></u>						-					
Name of Sam	pler: (b)(4)				!:	Signa		Sampler			(b)(4)		_	
Sample #		Locat	on		<u> </u>			ıme/Area	a /				Sample	
S503	10	th FIS	tairwe	<u> </u>			·············	940L		4/27/15 8:15am 4:05pm				
S504	11	th FI S	tairwe	(				936L					am 4:02p	
S505	14th FI	Above	the D	Decon		900L					am 3:55	-		
S506	13th FI Outside the Decon		914L					am 3 ⁻ 57						
S507	12th Fl	Below	the C	Decon				936L	gay as od Trees	- William	<u>.                                    </u>	5 8:12	am 4:00	pm
Client Samp	e #'s	_						Tota	l # of S	ample	T			
Relinquished				Date:		4/27/	15		Time:		5:30 p			
Received (L				ite:		4	129/	15	Time:	9:2	Jar	γ <u> </u>	<u> </u>	
Comments:					<u>L</u> .		1 1							
<u> </u>	1													

Page 1 of ____ pages



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

(b)(4)

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample#	s of the Chain of Custody are only necessary if needs  Location	Volume/Area	Date/Time Sampled
S508	Prepping Inside the South Containment	380L	4/27/15 8,20am 11.30am
S509 <b>•</b>	(h)(4) Disconnecting the dust collector tubing	380L	4/27/15 8:20am 11 ⁻ 30am
S510	Blank	OL	4/27/15
2001/405	Inside 13th FI Decon	12X12	4/27/15
SCGW195	Outside 13th Fl Decon	12X12	4/27/15
Comments/Spe	ecial Instructions:		

Page of pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156

Fax:

(813) 623-6702

Received:

04/28/15 8:58 AM

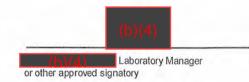
Collected:

4/25/2015

Project: Stennis B1 B2 Test Stand

#### Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed	Area Sampled	RDL	Lead Concentration
BL-24 341504060-0001	4/25/2015 4/28/2015 Site: Inside 15th FI Soft	144.5 in² Core Light	10 μg/ft²	8300 µg/ft²
BL-25 341504060-0002	4/25/2015 4/28/2015 Site: Inside 15th FI Soft	144 in² Core SCW	10 μg/ft²	500 μg/ft²
BL-26 341504060-0003	4/25/2015 4/28/2015 Site: Inside 15th FI Soft	144 in² Core SCE	10 μg/ft²	11000 µg/ft²
BL-27 341504060-0004	4/25/2015 4/28/2015 Site: Inside 15th FI Soft	144 in² Core SE	10 μg/ft²	14000 μg/ft²
BL-28 341504060-0005	4/25/2015 4/28/2015 Site: Inside 15th FI Soft	144 in² Core Top Handrail Stairs NE	10 μg/ft²	210 μg/ft²
BL-29 341 <i>504060-00</i> 06	4/25/2015 4/28/2015 Site: Inside 15th FI Soft	144 in² Core Bottom Handrail Stairs NE	10 μg/ft²	1100 µg/ft²
BL-30 341504060-0007	4/25/2015 4/28/2015 Site: Inside 15th FI Soft	144 in² Core NE	10 μg/ft²	3400 µg/ft²
BL-31 341504060-0008	4/25/2015 4/28/2015 Site: Inside 15th FI Soft	144 in² Core NE	10 μg/ft²	4700 μg/ft²
BL-32 341504060-0009	4/25/2015 4/28/2015 Site: Inside 15th FI Soft	144 in² Core NCW	10 μg/ft²	1100 μg/ft²
BL-33 341504060-0010	4/25/2015 4/28/2015 Site: Inside 15th FI Soft	145 in² Core NC	9.9 µg/ft²	4700 µg/ft²
BL-34 341504060-0011	4/25/2015 4/28/2015 Site: Inside 15th FI Soft	145 in² Core SC	9.9 µg/ft²	9500 µg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe, ug/wipe = ug/fi2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/29/2015 13:16:12

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



### Lead (Pb) Chain of Custody

	<b>EMSL</b>	Order ID	(Lab Use C	Only) [,]
_				

Orlando, FL 32804

PHONE. (407) 599-5887 FAX: (407) 599-9063

OUO Facilian and Engineering Inc.				EMSL-Bill to: Different / Same						
Company: OHC Environmental Engineering, Inc.				·	If Bill to is Different note instructions in Comments**					
Street: 5420 Ba	y Center Drive S	uite 100	)		Third Party Billing requires written authorization from third party					
City: Tampa		State/P	rovince:	FL		I Code: 33609		Co	untry: United	States
Report To (Nam	ne): (b)(4)					ne #: 813-626-815	66			
Email Address:		(b)(4	)		Fax #: {	313-623-6702			rchase Order:	
Project Name/N	lumber: Stennis	B1 B2 T	est Stan	d		rovide Results:	FAX			Mail
U.S. State Samples Taken: MS CT Samples: ☐ Commercial/Taxable ☐ Residential/Tax EX							Exempt			
		Tu	rnaroun			s* - Please Chec				0 1840 = 16
3 Hour	☐ 6 Hour	□ 24	Hour	48 Hour		2 Hour   96 I		1 1	week	2 Week
		completed	in accorda	Method	L's Terms a	nd Conditions located Instrumen	in the Frice	Repo	rting Limit	Check
	Matrix	3				Flame Atomic Abso		ومستعبيه	0.01%	
Chips   % by	wt.   mg/cm²	] ppm		SW846-7000E	\$					
Air				NIOSH 7082		Flame Atomic Abso			µg/filter	
				NIOSH 7105		Graphite Furnace			3 µg/filter	
			NIC	OSH 7300 mod	in the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of	ICP-AES/ICP-N			µg/filter	
Wipe*	ASTM			SW846-7000E		Flame Atomic Abs	orption		μg/wipe	
*If no how is	non ASTM checked, non-ASTM		S	W846-6010B o	r C	ICP-AES		~	μg/wipe	<del></del>
() (10 box is	Wipe is assumed			№46-7000B/7	·	Graphite Furnace			5 μg/wipe	
TCLP				-1311/7000B/S		Flame Atomic Abs	orption	0.4 mg/L (ppm) 0.1 mg/L (ppm)		<del></del>
			SW846-	1131/SW846-6		ICP-AES Flame Atomic Abs	omtion		g/kg (ppm)	
Soil			SW846-7000B SW846-7010			Graphite Furnac		0.3 mg/kg (ppm)		
			<u>s</u>	SW846-6010B or C		ICP-AES		2 mg/kg (ppm)		
				SM3111B/SW846-7000B		Flame Atomic Abs	orption	0.4 mg/L (ppm)		
Wastewater	Unpreserved	$\blacksquare$	EPA 200.9			Graphite Furnac			mg/L (ppm)	
Preserved wit	th HNO ₃ pH < 2	<u> </u>	EPA 200.7			ICP-AES		0.020 mg/L (ppm)		
	er Unpreserved			EPA 200.9		Graphite Furnac	e AA	0.003 mg/L ( 0.001 mg/L (		<del> - </del>
Preserved wi	th HNO₃pH < 2			EPA 200.8		ICP-MS ICP-AES			μg/filter	
TSP/SPM Fill	ter			40 CFR Part 5		Graphite Furnace	e AA		μg/filter_	
Other:			<u> </u>	40 Of the diet	, , , , , , , , , , , , , , , , , , ,					
النواسان والمراجع والمستواري والمتا	(1-)(4)		<u> </u>	,	Sign	ature of Sampler	•			
Name of Sam	pier: (D)(4)	Locat	On		J 0.3	Volume/Area		- 1	Date/ Lime	Sampleu
Sample #	Inside 15t			Light		8.5X17 West I			4/25/	115
BL-24	Inside 15t				<del> </del> -	9X16 Gusse			4/25/	′15
BL-25	Inside 15					9X16 Guss			4/25	/15
BL-26	Inside 15				<u> </u>	12X12   Bea			4/25	/15
BL-27	Inside 15th Fl Sof					1,25X115.2			4/25	/15
BL-28							# of Sa	moles		
Client Samp	le#'s BL-2	<u> </u>	BC-	34	1/05			p.	5:30 pm	
Relinquished	d (Client):			Date:	4/25	hali-	Time:		8158	
Received (La	b):		+)	Date:		አፈ\\ <u>ን</u>	Time:		0 0	
Comments:						•				
1										

Page 1 of ____ pages



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887

FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	ages of the Chain of Custody are only necessary if ne Location	Volume/Area	Date/Time Sampled
BL-29	Inside 15th Fl Soft Core Bottom Hand Rail Stairs	1.25X115.25	4/25/15
BL-30	Inside 15th Fl Soft Core NE	12X12   Beam	4/25/15
BL-31	Inside 15th Fl Soft Core NE	9X16 Gusset	4/25/15
BL-32	Inside 15th FI Soft Core NCW	9X16 Gusset	4/25/15
BL-33	Inside 15th FI Soft Core NC	10X14.5   Beam	4/25/15
BL-34	Inside 15th FI Soft Core SC	10X14.5   Beam	4/25/15
Comments/S	pecial Instructions:		

Page 2 of 2 pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone: Fax.

(813) 626-8156 (813) 623-6702

Received:

04/28/15 8:58 AM

Collected:

4/25/2015

#### Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed Area Sampled	RDL	Lead Concentration
BL-35 341504059-0001	4/25/2015 4/28/2015 144 in ² Site: Inside 14th FI Soft Core SCW	10 μg/ft²	2100 µg/ft²
BL-36 341504059-0002	4/25/2015 4/28/2015 144 in ² Site: Inside 14th FI Soft Core SCE	10 μg/ft²	5500 µg/ft²
BL-37 341504059-0003	4/25/2015 4/28/2015 144 in² Site: Inside 14th FI Soft Core Top Handrail Stairs SE	10 μg/ft²	190 μg/ft²
BL-38 341504059-0004	4/25/2015 4/28/2015 144 in² Site: Inside 14th FI Soft Core Bottom Handrail Stairs SE	10 μg/ft²	170 μg/ft²
BL-39 341504059-0005	4/25/2015 4/28/2015 144.5 in² Site: Inside 14th FI Soft Core Center	10 μg/ft²	2300 μg/ft²
BL-40 341504059-0006	4/25/2015 4/28/2015 144 in² Site: Inside 14th FI Soft Core NCE	10 μg/ft²	1100 µg/ft²
BL-41 341504059-0007	4/25/2015 4/28/2015 144 in² Site: Inside 14th FI Soft Core NCW	10 μg/ft²	240 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft/2 x area sampled in ft/2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft' which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 04/29/2015 13:14:46



### Lead (Pb) Chain of Custody

u (FD) Onam or Success	
MSL Order ID (Lab Use Only):	Or
	Pi

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

rlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

						P3 115 . 4	n.	fforen	+ / Same	
Company: OHC Environmental Engineering, Inc.				EMSL-Bill to: Different / Same If Bill to is Different note instructions in Comments**  Third Party Billing requires written authorization from third party						
Street: 5420 Bay	Center Drive Suite 10	0					written e	uthorizati	on from third pa	Statos
City: Tampa		State/Province: FL			Zip/Postal Code: 33609 Country: United States Telephone #: 813-626-8156					states
Report To (Name	(1-) (						. <del></del>			
Email Address:	)(a)				13-623-670		FAX		hase Order:	lail
Project Name/Nu	ımber: Stennis B1 B2	Test Stand		Please Pr	ovide Resu	its:				
U.S. State Samp	lee Taken: MS			CT Sampl	es: 🗌 Com	mercial	Taxabl	e ∐ Re	sidential/Tax	Exempl
	T	ırnaround Tim		) Option:	s* - Please	Check		□1W	look [7]	2 Week
☐ 3 Hour	☐ 6 Hour ☐ 24	Hour 🔳 48	B Hour	J	Hour	96 H	our I		ieev   🗖	
		ed in accordance w	th EMSL	s Terms ar	la Conditions Insti	ument	i ille r ile	Repor	ting Limit	Check
	Matrix		thod		Flame Ator		ntion		.01%	П
Chips   % by	wt. 🗌 mg/cm² 🔲 ppm	SW84	6-7000B		· · · · · · · · · · · · · · · · · · ·					
Air			H 7082		Flame Ator				g/filter	
			H 7105			Furnace S/ICP-M			μg/filter μg/filter	
		NIOSH 73		ie <b>a</b>	Flame Ato			بسند جي است	ıg/wipe	
Wipe*	ASTM X		6-70008			mic Adsol P-AES	Puon		ug/wipe	一言一
*if no box ls c	hecked, non-ASTM		6010B or			Furnace	AA		μg/wipe	
	Wipe is assumed	1	7000B/70	The second residence is a second residence in the second residence in the second residence is a second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residence in the second residence in the second residence is a second residen			_		g/L (ppm)	
TCLP		SW846-1311/ SW846-1131/S			Flame Atomic Absorption		paren.	0.1 mg/L (ppm)		
A 11	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t		16-7000B		Flame Atomic Absorption		40 mg/kg (ppm)			
Soil			46-7010		Graphite Furnace AA		0.3 mg/kg (ppm)			
			6010B or	المستحسبين والمستحيب	ICP-AES		2 mg/kg (ppm) 0.4 mg/L (ppm)		<b></b>	
Wastewater	Unpreserved	SM3111B/SW846-7		000B	OB Flame Atomic Absorption Graphite Fumace AA			mg/L (ppm)		
Preserved with	Unpreserved ☐ h HNO₃pH < 2 ☐	EPA 200 9 EPA 200.7			ICP-AES			0.020 mg/L (ppm)		
			A 200.9			AA	0.003 mg/L (ppm)			
Drinking wat	er Unpreserved ☐ th HNO₃ pH < 2 ☐		A 200 8			CP-MS		0.001 mg/L (ppm)		
			R Part 5		ICP-AES Graphite Furnace AA		. ^ ^	12 µg/filter 3.6 µg/filter		
TSP/SPM Filt	er	40 Cf	FR Part 5	0	Grapnit	e Furnace	, MA	3.0	румно	
Other:				T -:					(b)(4)	
Name of Sam	pler: (b)(4)	. 4		Sign	ature of Sa	ne/Area		ſ	Date/Time	Sampled
Sample #	Loca		101			Gusse			4/25	/15
BL-35	Inside 14th FI					Gusse		4/25/15		/15
BL-36	Inside 14th Fl							4/25/15		
BL-37	Inside 14th FI Soft Core						4/25			
BL-38	l	14th FI Soft Core Bottom Hand Rail Stairs		ļ		(115.2			4/25	
BL-39	Inside 14th FI S	والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج	nter		8.5X	17 Ligh		amples		, 10
Client Samp	le#'s 84-35 ->	BC-41		4/05	· / / E	1 1010			5:30 pm	
Relinquishe	d (Client):		Date:	4/25			Time		8:58	
Received (La Comments:	b):(b)	(4)	Date:	<u> </u>	28/15		Time:		0/30	

Page 1 of ____

2





<b>EMSL</b> Analytic	al, Inc.		
5125 Adanson	Street,	Suite	90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample#	Location	Volume/Area	Date/Time Sampled
BL-40	Inside 14th Fl Soft Core NCE	9X16 Gusset	4/25/15
BL-41	Inside 14th FI Soft Core NCW	9X16 Gusset	4/25/15
			<del> </del>
			<del>                                     </del>
}			
			<b></b>
Comments/	Special Instructions:		
i			

Page 2 of 2 pages

	National Aeronautics and						DATE		May 6, 2015
	Space Administration	D7112		Way 0, 2015					
	John C. Stennis Space Center								
	Stennis Space Center, MS 39529-6000						1	OF	1
	SECTION I - REQUEST FO	OR APPRO	OVAL <i>(To</i>	be Initiate	ed by the	Contractor,	)		
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,	, MATERIAL SAMPLES, OR			CON	TRACT NO.	Х	ITTAL	
	MANUFACTURER'S CERTIFICATES OF COM-	<b>MPLIANCE</b>			NNS	14AA30T		1	
	(See Instructions on Reverse)		<del></del> -	I			0	RESUBMITT	
ТО	FROM			PREVIOUS TI		AL NO. (If Any)	TF	RANSMITTA	L NO.
(b)(	HARRY PEPPER & ASS			TIE AND LOC	0			362	
200H0-GA	ION AND SECTION NO. (Cover Only One Section With Each T 04 02 82 33.13 Air & Wipe Samples Collecte		PROJECT	TLE AND LOC		B00-03 SOFT CO	RF PAINTIN	ıg	
	DESCRIPTION OF ITEM SUBMITTED		<u> </u>			CONTRACT REF		VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURER		OF ITEM	NO OF	DOCUMENT		(See	CODE
NO.	(See Instruction No. 3)	(See Instruction No. 8)			COPIES	SPECIFICATION	DRAWING	Instruction	(See Instruction
(a)	(b)	(c)			(d)	PARAGRAPH NO. (e)	SHEET NO. (f)	No. 6) (g)	No. 9 (h)
1	Air Samples Collected 5-1-15	ОНС			3	3.4.1.1.c	(I)	(8)	(11)
2	Air Samples Collected 5-2-15	ОНС			3	3.4.1.1.c		_	
3	Air Samples Collected 5-4-15	ОНС			3	3.4.1.1.c	_	-	_
4	Wipe Samples Collected 5-1-15	ОНС			3	3.4.1.1.c	_	_	_
5	Wipe Samples Collected 5-2-15	онс			3	3.4.1.1.c	-	-	_
6	Background Samples Collected for database only 4-30	ОНС			3	3.4.1.1.c	_	-	-
-	_			-	-	•	-	-	-
-	-			-	-	-	_	_	-
REMARKS:	3 Hard Copies included.			•		t the above submitt re correct and in st			
						specifications, exce		100 111011 1110 00	, rendet
						NAME AND SI	GNATURE O	F CONTRACTO	)R
	SEC	CTION II -	<b>APPROV</b>	AL ACTION	1				
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, TITI	E, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702 05/05/15 8:53 AM

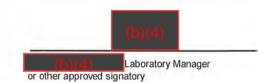
Collected:

5/1/2015

Project: Stennis B1 B2 Test Stand

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyz	ed Volume	RDL	Lead Concentration
S517 341504344-0003	5/1/2015 5/5/20 Site: 14th FI Above		4.9 μg/m³	<4.9 μg/m³
S518 341504344-0004	5/1/2015 5/5/20 Site: 13th FI Outside		4.9 μg/m³	<4.9 μg/m³
S519 341504344-0005	5/1/2015 5/5/20 Site: 12th FI Below	03	4.9 μg/m³	<4.9 μg/m³
S520 341504344-0006	5/1/2015 5/5/20 ⁻ Site: 11th FI Stairwe		4.9 μg/m³	<4.9 μg/m³
S521 341504344-0007	5/1/2015 5/5/201 Site: 10th FI Stairwe	20.00	4.9 μg/m³	<4.9 μg/m³



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter, ug/filter, ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m². OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/05/2015 15:01:15



EMBL ANALYTICAL, INC.

# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

											<u>-</u> -		000	<u> </u>
Company: OH	C Environmental	Engine	Third Party Billing requires written authorization from third party  Province: FL Zip/Postal Code: 33609 Country: United States  Telephone #: 813-626-8156  Fax #: 813-623-6702 Purchase Order:											
Street: 5420 Ba	ay Center Drive S	Suite 10	0											
City: Tampa		State/P	rovince:	FL						c	ountry: \	Jnited	States	;
Report To (Nan	<u>n</u>				Telepho	ne #:	813-626	-8156		~, -				
Email Address		(b)(4			Fax #:	813-6	23-6702	<u> </u>		P	urchase			
Project Name/	Number: Stennis	B1 B2 T	est Stand		Please P	rovide	Results	3: [	FAX	_ [ <	E-mail		Mail	
	ples Taken: MS				CT Samp	oles: [	Comm	ercial/T	axabl	e 🔲 F	Resident	ial/Tax	Exem	pt
		Tu	rnaround Ti	me (TA	T) Option	15* - F	Please C	Check						
☐ 3 Hour	■ 6 Hour												2 Wee	k
		complete			L's Terms a	nd Cor			ne Pric	e Guide	entina I	imit.	Cho	
	Matrix				<del></del>	<b>├</b>				Keb		unit	Cite	
	wt. 🗌 mg/cm² 📋	] ppm	SW	346-7000E	3	Flar	me Atomic	Absorpti	on					
Air 24 hr.													<u> </u>	<u> </u>
							_:		<del>`  </del>					╁─┨
						┿-			00				IX.	;—]
Wipe*	ASTM non ASTM	×				Fiai					<del></del> _			<del>   </del>
*if no box is	checked, non-ASTM Wipe is assumed		SW846-6010B or C SW846-7000B/7010		G	ICP-AES Graphite Furnace AA			1.0 μg/wipe 0.075 μg/wipe					
TCLP			SW846-131	1/7000B/S	M 3111B	<b></b> -	me Atomic		-+		mg/L (pp			
102.			SW846-1131	/SW846-6	010B or C		ICP-A	AES			mg/L (pr			
Soil			SW	846-7000	3		me Atomic	<u>-</u>			ng/kg (p			
			SW846-7010		Graphite Furnace AA		\	0.3 mg/kg (ppm)		<del> </del>	<del>}</del> }			
	<u> </u>		SW846-6010B or C SM3111B/SW846-7000B		ICP-AES Flame Atomic Absorption			2 mg/kg (ppm) 0.4 mg/L (ppm)		<del> </del>	╬╌┫			
Wastewater	Unpreserved			3/SW846- PA 200.9	7000B		me Atomic Graphite Fu				mg/L (pr		┝╌┾╛	╢
Preserved wi	th $HNO_3 pH < 2$			PA 200.9		+-	JCP-A		`-+		) mg/L (			<u>†</u> —1
Drinking Wat	er Unpreserved		E	PA 200.9	· · · · · · · · · · · · · · · · · · ·	G	Fraphite Fi	urnace AA	\		3 mg/L (p			
	th $HNO_3pH < 2$		E	PA 200 8			ICP-	MS			1 mg/L (p			
TSP/SPM Filt	er		<u> </u>	FR Part 5		1_	ICP-A		}		2 µg/filte		<b> </b>  -	-
<b></b>			40 (	FR Part 5	OU	<del> </del> -	Praphite Fu	umace Av	<del>`</del> +	<u>ي.</u>	6 µg/filte	71	<del> </del>	┽─┤
Other:			<u> </u>		6:	<u> </u>	of Cons				<del></del>			<del></del>
Name of Sam	ipler: (b)(4)	Locati			Sign		of Sam				Date/	Time S	Sample	ed
<b>Sample #</b> S517	14th Fl		the Decon		<b></b> -	•	8161				5/01/15			
\$518			e the Decon		<b></b>	816L				5/01/15 9:04am 3;52pm				
S519	<del></del>				<del> </del>	816L			5/01/15 9:06am 3:54pm					
f	12th Fl Below the Decon 11th Fl Stairwell				816L						5/01/15 9:08am 3:56pm			
					816L		·	5/01/15 9:10						
S521 10th FI Stairwell				L			Fotal # (	of Sa	mples				ор	
Client Samp		<u>-</u>			5/01	/15				יטוקווי	5:30 p			
Relinquished		(b)(4)		Date:	- +	-:1			me:_		85	<del></del>		
Received (Lak	o):			Date:	_ 5 5	<u>, † , </u>	\		ne:		03	ray	<del></del>	
Comments:			1	_	,									

Page 1 of 2 pages



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando,	F	L	32	8	04	۲

PHONE. (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
SCGW197	Inside the 13th Floor Decon	12x12	5/01/15
SCGW198	Outside the 13th Floor Decon	12x12	5/01/15
Comments/S	pecial Instructions:		



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

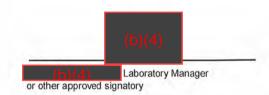
Fax: Received: (813) 623-6702 05/05/15 8:53 AM

Collected:

5/2/2015

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S522	5/2/2015	5/5/2015	800 L	5.0 μg/m³	<5.0 μg/m³
341504340-0003	Site: 14th I	FI Above the De	econ		
S523	5/2/2015	5/5/2015	800 L	5.0 μg/m³	<5.0 μg/m³
341504340-0004	Site: 13th I	FI Outside the I	Decon		
S524	5/2/2015	5/5/2015	800 L	5.0 μg/m³	<5.0 μg/m³
341504340-0005	Site: 12th I	FI Below the De	econ		
S525	5/2/2015	5/5/2015	800 L	5.0 μg/m³	<5.0 μg/m³
341504340-0006	Site: 11th I	FI Stairwell			
S526	5/2/2015	5/5/2015	800 L	5.0 μg/m³	<5.0 μg/m³
341504340-0007	Site: 10th I	FI Stairwell			
S527	5/2/2015	5/5/2015	710 L	5.6 μg/m³	<5.6 μg/m³
341504340-0008	Site:	RC/Grin	ding on Exterior of Corvette		
S528	5/2/2015	5/5/2015	0 L	4.0 µg/filter	<4.0 µg/filter
341504340-0009	Site: Blank				



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/05/2015 14:46:41



## Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887

				<u> </u>					TAX (407) 59		
	IC Environmental			Inc.	EMSL-Bill to: Different  Same  If Bill to is Different note instructions in Comments**						
Street: 5420 B	ay Center Drive	Suite 10	<i>i</i> 0		Third Party Billing requires written authorization from third party						
City: Tampa		State/P	rovince	e: FL	Zip/Posta	al Code: 33	3609		ountry: United		
Report To (Nar	ne): (b)(4)				Telephone #: 813-626-8156						
Email Address		(b)(4	.)		Fax #: 8	313-623-67	702	Р	urchase Order		
Project Name/	Number: Stennis	B1 B2 7	Γest St	and	Please Pr	rovide Res	ults: FA	x 🗸	E-mail	Mail	
	ples Taken: MS				CT Samp	les: 🔲 Coi	mmercial/Taxal	ble 🔲 1	Residential/Tax	Exempt	
	<u></u>	Tu	irnaroi	und Time (TA	T) Options* - Please Check						
3 Hour	■ 6 Hour	<b>2</b> 4		☐ 48 Hour		2 Hour	☐ 96 Hour		1	2 Week	
		complete	d in acco	ordance with EMS	L's Terms a	-					
	Matrix		<u> </u>	Method		Instrument Reporting Limit			Check		
	y wt. 🗌 mg/cm² 📋	ppm		SW846-7000E	3	Flame Ato	omic Absorption		0.01%		
Air 24 hr.		ı		NIOSH 7082			omic Absorption		l μg/filter	<b>%</b>	
		!	<u> </u>	NIOSH 7105				03 µg/filter	<del>  </del>		
			<del> </del> '	NIOSH 7300 mod				1	5 µg/filter		
Wipe* & hr	ASTM non ASTM		<b> </b>	SW846-7000E		<del> </del>	omic Absorption		0 μg/wipe	<b>A</b>	
*If no box is	checked, non-ASTM Wipe is assumed	L I		SW846-6010B o			P-AES e Furnace AA		0 μg/wipe 75 μg/wipe		
TCLP			1	346-1311/7000B/S			omic Absorption		mg/L (ppm)	<del>-    </del>	
SW846-1131/SW846-					CP-AES		mg/L (ppm)				
Soil				SW846-7000E	3	<b>}</b>	omic Absorption		ng/kg (ppm)		
		I		SW846-7010		·	e Furnace AA		mg/kg (ppm)		
	<del></del>		<u> </u>	SW846-6010B c			CP-AES		ng/kg (ppm)	┝═┾┼┈┦	
Wastewater	Unpreserved		51	M3111B/SW846-7000B Flame Atomic Absort EPA 200.9 Graphite Furnace A				mg/L (ppm) 3 mg/L (ppm)	<del>-    </del>		
Preserved wi	th HNO₃ pH < 2		ļ	EPA 200.9				mg/L (ppm)			
Drinking Wat	ter Unpreserved			EPA 200 9		Graphite	e Furnace AA	+	3 mg/L (ppm)		
	th HNO ₃ pH < 2			EPA 200 8			CP-MS	0.00	1 mg/L (ppm)		
TSP/SPM Fift	er			40 CFR Part 5			CP-AES		2 µg/filter		
			<b></b>	40 CFR Part 5	50	Graphite	e Furnace AA	3.	.6 µg/filter		
Other:					<del>-   </del>	<u> </u>			4		
Name of Sam	ipler: (b)(4)				Signa	ature of Sa			(b)(4)	Paralad .	
Sample #		Location			-		ne/Area /		Date/Time S		
S522	14th FI		***				OOL .		5/02/15 8:50a		
S523	13th FI (						DOL_		5/02/15 8:52a		
S524	12th Fl	Below	the D	econ			00L		5/02/15 8:54a		
S525	11t	th FI St	airwel	11		80	DOL		5/02/15 8:56a	m 3:36pm	
S526		th FI St			<u> </u>		00L		5/02/15 8:58a	ım 3.38pm	
Client Sampl	le#'s 5522	- <i>5</i> 52	.8 /	15CGW199	506W	200	Total # of S	amples	1		
Relinquished	i (Client):			Date:	5/02/	15	Time:		5:30 pm		
Received (Lab	)):			Date:	15/	5/5/19 Time: 85		953cm			
Comments:					- \	• (					
<u> </u>											



### LEAD (Pb) CHAIN OF CUSTODY

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

EMŜL ÓRDER ID (Lab Use Only):

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S527	(B)(4) (RC)/Grinding on Exterior of the Corvette	710L	5/02/15 9:45am 3.40pm
S528	Blank	OL	5/02/15
SCGW199	Inside the 13th Floor Decon	12x12	5/02/15
SCGW200	Outside the 13th Floor Decon	12x12	5/02/15
-		or of the Corvette 710L 5/0  OL  or Decon 12x12	
		. •	
		*	
Commentals	pecial instructions:		
oomments/5	pecia: ກາວນ ພົບນົບກົວ.		



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

05/05/15 8:53 AM

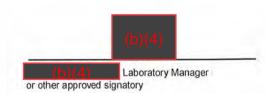
Collected:

5/4/2015

Project: Stennis B1 B2 Test Stand

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S529 341504353-0001	5/4/2015 Site: 14th F	5/5/2015 FI Above the	678 L Decon	5.9 µg/m³	<5.9 µg/m³
S530 341504353-0002	5/4/2015 Site: 13th F	5/5/2015 FI Outside th	678 L ne Decon	5.9 μg/m³	<5.9 μg/m³
S531 341504353-0003	5/4/2015 Site: 12th f	5/5/2015 FI Below the	678 L Decon	5.9 μg/m³	<5.9 μg/m³
S532 341504353-0004	5/4/2015 Site: 11th f	5/5/2015 FI Stairwell	678 L	5.9 μg/m³	<5.9 μg/m³
S533 341504353-0005	5/4/2015 Site: 10th I	5/5/2015 FI Stairwell	678 L	5.9 μg/m³	<5.9 μg/m³
S534 341504353-0006	5/4/2015 Site:	5/5/2015 b)(4)	750 L ADS/Spot Abatement 9th FI SE Exter	5.3 μg/m³	<5.3 μg/m³
S535 341504353-0007	5/4/2015 Site: Blank	5/5/2015	0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter. ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those ltems tested. Samples received in good condition unless otherwise noted. ""(" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/05/2015 15:02:25



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only).

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

							21.55		, 000 00	$\overline{}$
Company: OH	C Environmental Eng	neering, Inc.	_	EMSL-Bill to: Different  Same  If Bill to is Different note instructions in Comments**						
Street: 5420 Ba	ay Center Drive Suite				ird Party Billing req	uires writter				
City: Tampa	Stat	e/Province: FL		Zip/Postal Code: 33609 Country: United States						s
Report To (Nar	ne): (b)(4)				e#: 813-626-8	156				
Email Address	<u>:</u> (b)			Fax #: 8	313-623-6702			<u>irchase Or</u>		
Project Name/	Number: Stennis B1 B	2 Test Stand		Please Provide Results: FAX ✓ E-mail Mail						
	ples Taken: MS			CT Samples: Commercial/Taxable Residential/Tax Exempt						
_	<u> </u>	Turnaround Tim	e (TAT	) Option	s* - Please Ch	eck				
☐ 3 Hour			Hour			6 Hour		Week	☐ 2 We	ek
	*Analysis comp	eted in accordance wi	th EMSL	's Terms ar						—
	Matrix	Met	thod		Instrume	ent	Repo	orting Lim	it Ch	eck
Chips ☐ % by	/ wt. 🗌 mg/cm² 🔲 ppr	1 SW846	6-7000B		Flame Atomic At	bsorption		0.01%		
Air 24 hr	Air 24 hr.		H 7082		Flame Atomic Al	bsorption		μg/filter	1	
24 III.			H 7105		Graphite Furn			3 µg/filter		_
		NIOSH 73	00 modil	fied	ICP-AES/IC	P-MS		5 µg/filter		
Wipe*	ASTM 🗌	SW846	6-7000 <u>B</u>		Flame Atomic Al	bsorption		) µg/wipe		
*if no box is	non ASTM checked, non-ASTM	SW846-6			ICP-AES			) µg/wipe		
	Wipe is assumed	SW846-7	000B/70	10	Graphite Furn			75 µg/wipe		╧
TCLP	SW846-1311/7			Flame Atomic A			ng/L (ppm		4	
SW846-1131/SW846				10B or C	ICP-AES			ng/L (ppm		╪╌┥
Soil			6-7000B		Flame Atomic A	:		ig/kg (ppm		4-1
		SW846-6	16-7010		Graphite Furn			ng/kg (ppn g/kg (ppm		┽┤
		SM3111B/S			Flame Atomic A			ng/L (ppm		╡┤
Wastewater	Unpreserved ☐ th HNO₃pH < 2 ☐		200.9	0000	Graphite Furn			mg/L (ppr		<b>5</b> 1
Preserved wi	th HNO ₃ pH < 2 $\Box$		EPA 200.7			S		mg/L (ppr		
Drinking Wat	ter Unpreserved	EPA	EPA 200 9					3 mg/L (ppn	1)	
	th HNO₃pH < 2 🔲	EPA	200.8		ICP-MS 0 00			l mg/L (ppn	1)	
TSP/SPM Fill	or	40 CFI	R Part 50	)				2 µg/filter		<u> </u>
13P/3PW FIN	re:	40 CFI	R Part 50	)	Graphite Furn	ace AA	3	6 µg/filter		4
Other:					<u> </u>				<u> </u>	
Name of Sam	pler: (b)(4)			Signa	ture of Sample	er:		b)(4)		
Sample #	Loc	ation			Volume/Ar	ea /		Date/Tir	ne Samp	led
S529	14th Fl Abo	ve the Decon			678L			5/04/15 9:	21am 3:0	)0pm
S530	13th Fl Outs	ide the Decon			678L			5/04/15 9:	23am 3:0	02pm
S531	12th Fl Beld	w the Decon			678L			5/04/15 9	25am 3:0	04pm
S532	11th Fi	Stairwell	1		678L			5/04/15 9	27am 3:0	06pm
S533		Stairwell		-	678L			5/04/15 9	:29am 3:0	08pm
Client Sample #'s   \$529 - \$535   Total # of Samples:   7										
	41.3.4		Data:	5/04/		Time:		5:30 pm		
Relinquished	a (Cheny: (D)(4		Date:	51	<del></del>	Time:	815	3an		
Received Comment			Date:	/	71-	( dine.	<u> </u>	<u>(                                    </u>		

OrderID:



#### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S534 <b>(b</b>	(ADS)/Spot abatement 9th Floor SE Exterior Hand Rails	750 L	5/04/15 8:40am 2:55pm
S535	Blank		5/04/15
		-	
		·····	
Comments/Special	Instructions:		
- cimmonde aband			



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

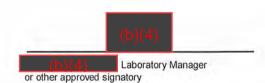
Project: Stennis B1 B2 Test Stand

Phone: (813) 626-8156 Fax: (813) 623-6702 05/05/15 8:53 AM Received:

Collected: 5/1/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW197 341504344-0001	5/1/2015 Site: Inside	5/5/2015 13th Floor D	144 in²	10 μg/ft²	42 µg/ft²
SCGW198	5/1/2015	5/5/2015	144 in²	10 μg/ft²	89 µg/ft²
341504344-0002	Site: Outsi	de 13th Floor	Decon		



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/fl2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/05/2015 11:32:23



### Lead (Pb) Chain of Custody

FINSL	Orger IU	(Lab Use O	nly):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

						Trock Till A. D. F. France J. Comp.							
Company: OH	C Environmental	Engine	ering, Inc.		EMSL-Bill to: Different  Same If Bill to is Different note instructions in Comments**								
Street: 5420 Ba	ay Center Drive S	Suite 10							ires written				
City: Tampa		State/P	rovince:	FL	Zip/Postal Code: 33609 Country: United States								
Report To (Nan	<u>ne): (b)(4)</u>				Telephone #: 813-626-8156								
Email Address		(b)(4	)			Fax #: 813-623-6702   Purchase Order:							
Project Name/N	lumber: Stennis	B1 B2 T	est Stand				vide R		FAX		E-mail	<u> </u>	Mail
U.S. State Sam	ples Taken: MS								ial/Taxab	le 🗌 F	Residenti	al/Tax	Exempt
			rnaround Ti									T =	
3 Hour	■ 6 Hour	■ 24		48 Hour		72			Hour		Week		2 Week
		complete	d in accordance		L's Te	rms and		ons locate istrume		ce Guide	orting Li	mit	Check
	Matrix			lethod						<u>_</u>			CiteCk
	wt. mg/cm²	] ppm	SW	846-7000	3	}	Flame	Atomic Ab	sorption		0.01%		
Air 24 hr.	Air 24 hr			OSH 7082				Atomic Ab			µg/filter		×
				NIOSH 7105 Graphite Furnace AA SH 7300 modified ICP-AES/ICP-MS				0.0	03 μg/filte 5 μg/filte	er r	╾┾┤╌╢		
						<del></del>		Atomic Ab			) µg/wipe		×
Wipe*	ASTM non ASTM			846-7000			riante	ICP-AES			) μg/wip. Ο μg/wip.		- 뿜-
*if no box is	checked, non-ASTM Wipe is assumed			6-6010B c			Gran	hite Furna			75 µg/wi		<del>-                                    </del>
<u> </u>			SW846-131			11B	<u> </u>	Atomic Ab			mg/L (pp		<del></del>
TCLP SW846-1311/700 SW846-1131/SW						1 101110	ICP-AES			mg/L (pr			
Soil			SW	846-7000	В	$\neg \neg$	Flame	Atomic Ab	sorption	40 m	ng/kg (p	om)	
			SV	/846-7010	)		Grap	hite Furna	ice AA		ng/kg (p		
				6-6010B				ICP-AES			g/kg (pp		
Wastewater	Unpreserved		SM3111B/SW846-7000E		7000B	3		Atomic At			mg/L (pr		┝┈┾╡╌╢
	th HNO ₃ pH < 2	Ħ	EPA 200.9 EPA 200.7			Graphite Furnace AA ICP-AES			3 mg/L (p				
		17	<del></del>	PA 200.9			Graphite Furnace AA		0.020 mg/L (ppm) 0.003 mg/L (ppm)				
	er Unpreserved th HNO ₃ pH < 2			PA 200.8	<del></del>			ICP-MS			0.003 mg/L (ppm)		
			40 0	FR Part	50		ICP-AES		12 µg/filter		r		
TSP/SPM Filt	.er		40 (	FR Part	50		Gra	hite Furna	ace AA	3.	6 µg/filte	er .	
Other:			<u> </u>							<u> </u>			
Name of Sam	pler: (b)(4)					Signat		Sample					
Sample #		Locati	on				Vol	ume/Are	ea				Sampled
S517	14th Fl.	Above	the Decor	)				816L			5/01/15	9:02a	m 3:50pm
\$518	13th FI	Outside	the Deco	n	<u> </u>			816L			5/01/15	9:04a	m 3;52pm
S519	12th Fl	Below	the Decor	1				816L			5/01/15	9:06a	ım 3:54pm
S520	11t	th FI SI	airwell					816L			5/01/15	9:08a	m 3:56pm
S521	10th FI Stairwell						816L			5/01/15	9:10a	ım 3:58pm	
Client Samp	e#'s							Tot	al # of S	ample	<b>s:</b> 7		
Relinquished		b)(4)		Date:		5/01/1	5		Time:		5:30 p	m	
Received (Lab	, i			Date:		5/5	15		Time:		85	3ay	·
Comments:						-	1					`	7
				-									



### LEAD (Pb) CHAIN OF CUSTODY

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

CINISE ORDER ID (Lab Ose Only).									
	(h)(4)								

Orlando, FL 32804 PHONE. (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
-			
SCGW197	Inside the 13th Floor Decon	12x12	5/01/15
SCGW198	Outside the 13th Floor Decon	12x12	5/01/15
		-	
· · · · · · · · · · · · · · · · · · ·			
Comments/S	pecial Instructions:		



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com

CustomerID:

OCCU56

CustomerPO: ProjectID:

EMSL Order:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

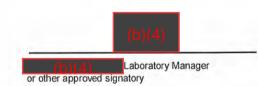
Project: Stennis B1 B2 Test Stand

Phone: (813) 626-8156 (813) 623-6702 Fax: 05/05/15 8:53 AM Received:

Collected: 5/2/2015

#### Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration	
SCGW199	5/2/2015	5/5/2015	144 in²	10 μg/ft²	80 µg/ft²	
341504340-0001	Site: Inside	e 13th Floor D	econ			
SCGW200	5/2/2015	5/5/2015	144 in²	10 μg/ft²	220 μg/ft²	
341504340-0002	Site: Outsi	de 13th Floor	Decon			



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are Aniaysis rollowing Lead in Dust by EMSL SOP? Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. Ug/wipe = Ug/riz x area sampled in 112. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/05/2015 11:31:02



## Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX. (407) 599-9063

								(401) 00		
	C Environmental Eng			EMSL-Bill to: Different  Same  If Bill to is Different note instructions in Comments**						
Street: 5420 B	ay Center Drive Suite			Thi	ird Party Billing requ	ires written				
City: Tampa	Sta	te/Province:	FL	Zip/Postal Code: 33609 Country: United States						
Report To (Nar	ne): (b)(4)			Telephone #: 813-626-8156						
Email Address		)(4)		Fax #: 813-623-6702 Purchase Order:						
Project Name/I	Number: Stennis B1 E	32 Test Stand		Please Pr	ovide Results:	FAX	$\overline{\checkmark}$	E-mail	Mail	
	ples Taken: MS			CT Samples: Commercial/Taxable Residential/Tax Exempt						
· · · · · · · · ·		Turnaround T	ime (TA		s* - Please Che					
3 Hour		24 Hour 🔲	48 Hour			Hour		—	2 Week	
		oleted in accordance		L's Terms ar	nd Conditions locate	d in the Pri				
Matrix Metho			lethod		Instrume	nt	Repo	rting Limit	Check	
Chips □ % by	wt. mg/cm² pp	m SW	/846-7000E	3	Flame Atomic Ab	sorption		0.01%		
Alr 24 hr.			OSH 7082		Flame Atomic Ab			µg/filter	***	
			OSH 7105		Graphite Furna			3 µg/filter		
·····			7300 mod		ICP-AES/ICP			μg/filter		
Wipe* & hr	ASTM 📆		/846-7000E		Flame Atomic Ab			µg/wipe	<b>4</b>	
*If no box is	*if no box is checked, non-ASTM		SW846-6010B or C SW846-7000B/7010			ICP-AES Graphite Furnace AA		) μg/wipe /5 μg/wipe	-	
TCLP	Wipe is assumed	SW846-131					ng/L (ppm)	뉴		
ICLP	SW846-1131/SW846-				ICP-AES			ng/L (ppm)		
Soil		sw	/846-7000E	3	Flame Atomic Ab	sorption		g/kg (ppm)		
		SV	V846-7010		Graphite Furna	ce AA	0.3 m	ng/kg (ppm)		
		SW84	16-6010B c	or C	ICP-AES			g/kg (ppm)		
Wastewater	Unpreserved		B/SW846-	7000B	Flame Atomic Ab			ng/L (ppm)		
	th HNO₃ pH < 2 □		EPA 200.9 EPA 200.7					mg/L (ppm) mg/L (ppm)		
Drinking Wat	ter Unpreserved		EPA 200.7			Graphite Furnace AA		mg/L (ppm)		
	th HNO ₃ pH < 2		PA 200 8	,	ICP-MS			mg/L (ppm)		
TSP/SPM Filt		40 (	CFR Part 5	50	ICP-AES			µg/filter		
	.er	40 (	CFR Part 5	50	Graphite Furna	ce AA	3.6	β µg/filter		
Other:										
Name of Sam				Signa	ture of Sample		(	b)(4)		
Sample#	Loc	cation			Volume/Are	a /		Date/Time S		
S522	14th Fl Abo	ove the Decor	1		800L			5/02/15 8:50a	m 3:30pm	
S523	13th FI Outs	side the Deco	n		800L			5/02/15 8:52a	m 3:32pm	
S524	12th Fl Bel	ow the Decor	ו ַ	l	800L			5/02/15 8:54a	ım 3:34pm	
S525	11th F	l Stairwell			800L			5/02/15 8:56a	m 3:36pm	
<b>\$526</b>	10th F	l Stairwell			800L			5/02/15 8:58a	ım 3.38pm	
Client Samp	e#'s 5522 - 5	5528 / <i>S</i> C	sw199	506W	200 Tota	al#ofSa	mples	9		
Relinguished	(1.) (	4)	Date:	5/02/	15	Time:		5:30 pm		
Received (Lat	0):	(4)	Date:	5/4	119	Time:		953cm		
Comments:	(b)(							-		
			•							



### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE: (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S527	(b)(4) (RC)/Grinding on Exterior of the Corvette	710L	5/02/15 9:45am 3.40pm
S528	Blank	OL	5/02/15
SCGW199	Inside the 13th Floor Decon	12x12	5/02/15
SCGW200	Outside the 13th Floor Decon	12x12	5/02/15
		<del>.</del>	
t.,			
Comments/S	pecial Instructions:		



5125 Adanson Street, Suite 900, Orlando, FL 32804 (407) 599-5887 / (407) 599-9063 Phone/Fax

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

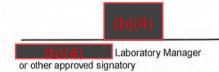
Phone: (813) 626-8156

Fax: (813) 623-6702 Received: 05/04/15 9:31 AM

Collected: 4/30/2015

#### Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyze	d Area Sampled	RDL	Lead Concentration
BL-53 341504288-0001	4/30/2015 5/5/201 Site: Inside 19th FI S		10 μg/ft²	440 µg/ft²
BL-54 341504288-0002	4/30/2015 5/5/201 Site: Inside 19th FI S		10 μg/ft²	290 μg/ft²
BL-55 341504288-0003	4/30/2015 5/5/201 Site: Inside 19th FI S		10 μg/ft²	320 µg/ft²
BL-56 341504288-0004	4/30/2015 5/5/201 Site: Inside 19th FI S		10 μg/ft²	39 μg/ft²
BL-57 341504288-0005	4/30/2015 5/5/201 Site: Inside 19th FI S		10 μg/ft²	75 μg/ft²
BL-58 341504288-0006	4/30/2015 5/5/201 Site: Inside 19th FI S		10 μg/ft²	150 μg/ft²
BL-59 341504288-0007	4/30/2015 5/5/201 Site: Inside 19th FI S	5	10 μg/ft²	180 μg/ft²
BL-60 341504288-0008	4/30/2015 5/5/201 Site: Inside 19th FI S		10 μg/ft²	360 μg/ft²
BL-61 341504288-0009	4/30/2015 5/5/201 Site: Inside 19th FI S		10 μg/ft²	2000 μg/ft²
BL-62 341504288-0010	4/30/2015 5/5/201 Site: Inside 19th FI S		10 μg/ft²	1700 μg/ft²
BL-63 341504288-0011	4/30/2015 5/5/201 Site: Inside 19th FI S	5 144 in² Soft Core Top Handrails Stairs	10 µg/ft²	51 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/t/2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/fit which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/05/2015 11:26:57



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

05/04/15 9:31 AM

4/30/2015

Collected:

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
BL-64 341504288-0012	4/30/2015 Site: Inside	5/5/2015 e 19th FI Soft	144 in² Core Bottom Handrails Stairs	10 μg/ft²	120 µg/ft²
BL-65 341504288-0013	4/30/2015 Site: Inside	5/5/2015 e 19th FI Soft	144.5 in² Core SW	10 μg/ft²	25 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. ""< (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/05/2015 11:26:57



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only). EMBL ANALYTICAL, INC.

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

							( ) + -	
Company : OH	IC Environmental Engine	ering, Inc.	EMSL-Bill to: Different  Same If Bill to is Different note instructions in Comments**					
	Say Center Drive Suite 10		Third Party Billing requires written authorization from third party					
City: Tampa	State/P	rovince: FL	Zip/Postal Code: 33609 Country: United States					
Report To (Na	me): (b)(4)		Telephone #: 813-626-8156					
Email Address		I)	<u> </u>	313-623-6702		Pui	rchase Order:	
	Number: Stennis B1 B2	Test Stand	<del>                                     </del>	rovide Results:	FAX			Mail
	nples Taken: MS	16		les: 🗌 Commerc	ial/Taxab	le □ Re	esidential/Tax	Exempt
		rnaround Time (TA						
☐ 3 Hour	1	Hour a 48 Hou			Hour	<b>□</b> 1 V	Neek 🗀	2 Week
		d in accordance with EMS	SL's Terms a	nd Conditions locate	d in the Pro			
	Matrix	Method		Instrume	nt	Repor	rting Limit	Check
Chips □% b	y wt. 🗌 mg/cm² 🔲 ppm	SW846-7000	В	Flame Atomic Abs	sorption	C	0.01%	
Air		NIOSH 7082	2	Flame Atomic Abs	sorption	•	µg/filter	
		NIOSH 7108		Graphite Furna			3 µg/filter	
		NIOSH 7300 mo		ICP-AES/ICP-			μg/filter	
Wipe*	ASTM 🋖	SW846-7000		Flame Atomic Abs	sorption		μg/wipe	
"if no box is	non ASTM checked, non-ASTM	SW846-6010B	or C	ICP-AES			µg/wipe	
	Wipe is assumed	SW846-7000B/7	7010	Graphite Furnac			5 µg/wipe	
TCLP		SW846-1311/7000B/SM		Flame Atomic Absorption		0.4 mg/L (ppm)		
0.4		SW846-1131/SW846-60		ICP-AES		0.1 mg/L (ppm)		<del>-     </del>
Soil		SW846-7000 SW846-7010	<del></del>	Flame Atomic Absorption Graphite Furnace AA		40 mg/kg (ppm) 0.3 mg/kg (ppm)		
		SW846-6010B		ICP-AES	Se M		/kg (ppm)	
381 - 4 4		SM3111B/SW846-		Flame Atomic Absorption		0.4 mg/L (ppm)		
Wastewater	Unpreserved ☐ th HNO₃ pH < 2 ☐	EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)		
		EPA 200.7		ICP-AES		0.020 mg/L (ppm)		
	ter Unpreserved	EPA 200 9					mg/L (ppm)	
Preserved wi	th HNO ₃ pH < 2 $\Box$	EPA 200.8	FO.	ICP-MS ICP-AES			mg/L (ppm)	
TSP/SPM Fil	ter	40 CFR Part 9		Graphite Furna	ne AA		μg/filter μg/filter	
Other:		10 01 11 101				0.0	<u>ngrinte</u>	
Name of San	unler: (h)(4)		Signa	ture of Sample	,,		(b)(4)	
Sample #	Locati	on	Joigne	Volume/Are			Date/Time S	ampled
BL-53	Inside 19th FI So	-		9X16 Guss			4/30/	
BL-54	Inside 19th FI S	oft Core SE		9X16 Guss	<u>*                                    </u>		4/30/	15
BL-55	Inside 19th FI S			8X18 Guss			4/30/	15
BL-56				9X16 Guss			4/30/	
BL-57				9X16 Guss			4/30/	15
Client Samp		L- 65			I # of Sa	mples:	13	
Relinquished		Date:	4/30/		Time:		5:30 pm	~~~
Received (Lat	(b)(4		5/	4/15	Time:		9:31	AM
Comments:	<u> </u>			,		•		

Page 1 of _



### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE (407) 599-5887

Fax. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	ages of the Chain of Custody are only necessary if ne Location	Volume/Area	Date/Time Sampled
<u> </u>			
BL-58	Inside 19th FI Soft Core NCW	9X16 Gusset	4/30/15
BL-59	Inside 19th FI Soft Core NW	9X16 Gusset	4/30/15
BL-60	Inside 19th FI Soft Core NCE	9X16 Gusset	4/30/15
BL-61	Inside 19th Fl Soft Core NE	9X16 Gusset	4/30/15
BL-62	Inside 19th FI Soft Core NCW	9X16 Gusset	4/30/15
BL-63	Inside 19th Fl Soft Core Top Hand Rail Stairs	1.25X115.25	4/30/15
BL-64	Inside 19th FI Soft Core Bottom Hand Rail Stairs	1.25X115.25	4/30/15
BL-65	Inside 19th FI Soft Core SW	8.5X17 Light	4/30/15
		-	
Comments/S	pecial Instructions:		<u> </u>

							DATE		NA 44 0045
	National Aeronautics and Space Administration						DATE		May 11, 2015
NASA	CONTR	RACTOF	RTRAN	<b>SMITTA</b>	L SHEE	T		CULET	
	John C. Stennis Space Center Stennis Space Center, MS 39529-6000						1	SHEET OF	1
	SECTION I - REQUEST FO	D ADDD	)//\ /Ta	he Initiate	ed by the	Contractor		UF .	<u> </u>
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,		•		<u> </u>	TRACT NO.	×	NEW SUBM	ITTAI
	MANUFACTURER'S CERTIFICATES OF COM		SAIVIPLES, C	ın.			^	INE AN SORINI	IIIAL
	(See Instructions on Reverse)	VII EII (I VOE			NNS	14AA30T	0	RESUBMITT	AL
ΤΟ	FROM			PREVIOUS T	RANSMITTA	AL NO. (If Any)	Ti	RANSMITTA	
(b)(	4) HARRY PEPPER & ASS	OCIATES, I	NC.		0			365	
SPECIFICAT	ION AND SECTION NO. (Cover Only One Section With Each T	ransmittal	PROJECT TI	TLE AND LOC	CATION				
200H0-GA	04 02 82 33.13 Air & Wipe Samples Collecte	d			SL430WFI	B00-03 SOFT CO			
	DESCRIPTION OF ITEM SUBMITTED					CONTRACT REF		VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)		JFACTURER		NO OF	DOCUM		(See	CODE
NO.	(See Instruction No. 3)	(See	Instruction	No. 8)	COPIES	SPECIFICATION PARAGRAPH NO.	DRAWING SHEET NO.	Instruction No. 6)	(See Instruction No. 9
(a)	(b)		(c)		(d)	(e)	(f)	(g)	(h)
1	Air Samples Collected 5-5-15	онс			3	3.4.1.1.c	1	-	
2	Air Samples Collected 5-6-15	онс			3	3.4.1.1.c	-	-	-
3	Wipe Samples Collected 5-6-15	онс			3	3.4.1.1.c	-	-	-
4	Wipe Samples Collected 5-7-15	онс			3	3.4.1.1.c	-	-	-
-	-			-	-	•	-	-	_
-	-			-	-	-	_	-	-
-	-			-		_	_	-	-
-	-			_	_	-	-	-	-
REMARKS:	3 Hard Copies included.					the above submitt re correct and in st			
					ſ	specifications. exce			
···						NAME AND SI	GNATURE O	F CONTRACTO	)R
	SEC	CTION II -	<b>APPROV</b>	AL ACTION	<b>1</b>				
NCLOSURE	ES RETURNED (List by Item No.)	NAME, TITI	E, AND SIG	NATURE OF A	APPROVING	AUTHORITY	DATE		
		I					I		



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Received: Collected:

Phone:

Fax:

05/06/15 9:17 AM 5/5/2015

(813) 626-8156

(813) 623-6702

Project: Stennis B1 B2 Test Stand

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S536 341504390-0003	5/5/2015 5/7/2015 Site: 14th FI Above the I	760 L Decon	5.3 μg/m³	<5.3 μg/m³
S537 341504390-0004	5/5/2015 5/7/2015 Site: 13th FI Outside the	760 L Decon	5.3 μg/m³	<5.3 μg/m³
S538 341504390-0005	5/5/2015 5/7/2015 Site: 12th FI Below the D	760 L Decon	5.3 μg/m³	<5.3 μg/m³
S539 341504390-0006	5/5/2015 5/7/2015 Site: 11th FI Stairwell	760 L	5.3 μg/m³	<5.3 μg/m³
S540 341504390-0007	5/5/2015 5/7/2015 Site: 10th FI Stairwell	760 L	5.3 μg/m³	<5.3 μg/m³
S541 341504390-0008	5/5/2015 5/7/2015 Site: Blank	0 L	4.0 μg/filter	<4.0 µg/filter

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/07/2015 12:59:40



### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Order ID (Lab Use Only):

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

										17% (407) 38	9-9003
	C Environmental En				EMSL-Bill to: Different J Same If Bill to is Different note instructions in Comments**						
Street: 5420 Ba	ay Center Drive Suit	te 100	כ	1	Third Party Billing requires written authorization from third party						
City: Tampa	····		rovince: FL		Zip/Postal Code: 33609 Country: United States						
Report To (Nar	ne): (b)(4)				Telephon	e #: 813-	626-815	56			
Email Address	: (1	b)(4)	)		Fax #: 8	13-623-6	702		P	urchase Order	<del>.</del>
Project Name/I	Number: Stennis B1	B2 T	est Stand	_	Please Pr	ovide Res	ults:	FAX	✓	E-mail	Mail
	ples Taken: MS				CT Samp	es: 🗌 Co	mmerci	al/Taxab	le 🗌 F	Residential/Tax	Exempt
Turnaround Time (TAT) Options* - Please C											
☐ 3 Hour	6 Hour	24			<del>', '</del>	Hour	□ 96		□1	Week 🔲	2 Week
	*Analysis com	npleted	l in accordance with	EMS	L's Terms ar	nd Condition	s located	in the Pri	ce Guide	9	
	Matrix		Meth	od		Ins	trumen	t	Repo	orting Limit	Check
Chips   % by	/ wt. 🔲 mg/cm² 🔲 p	pm	SW846-7	7000B		Flame At	omic Abs	orption		0.01%	
Air 24 hr.			NIOSH			Flame At				μg/filter	×
			NIOSH				e Furnac			03 µg/filter	
_			NIOSH 7300				AES/ICP-I			5 μg/filter	
Wipe* 6 kg.	ASTM ⊠ non ASTM □	]	SW846-7			Flame At		orption		0 μg/wipe	×
*if no box is	checked, non-ASTM	¹	SW846-60°				CP-AES	۵۵۵		0 μg/wipe 75 μg/wipe	
7015	Wipe is assumed					Graphite Furnace AA Flame Atomic Absorption					_
TCLP			SW846-1311/7000B/SM 3111 SW846-1131/SW846-6010B or			ICP-AES		0.4 mg/L (ppm) 0.1 mg/L (ppm)			
Soil	,		SW846-7000B		3	Flame At	omic Abs	orption	40 mg/kg (ppm)		
			SW846-7010			Graphite Furnace AA		e AA	0.3 mg/kg (ppm)		
			SW846-60	10B o	r C	ICP-AES			2 mg/kg (ppm)		
Wastewater	Unpreserved [	- l	SM3111B/SW846-7000		7000B	Flame At		•	0.4 mg/L (ppm)		<del>                                     </del>
	th HNO ₃ pH < 2	j	EPA 200.9			Graphite Furnace AA ICP-AES		0.003 mg/L (ppm)		_ H	
			EPA 2					0.020 mg/L (ppm) 0.003 mg/L (ppm)			
	ter Unpreserved th HNO ₃ pH < 2	= 1	EPA 2 EPA 2						1 mg/L (ppm)		
			40 CFR	Part 5	0	Į	CP-AES			2 µg/filter	
TSP/SPM Filt	er	ľ	40 CFR	Part 5	0	Graphi	te Furnac	e AA	3.	.6 µg/filter	
Other:											
Name of Sam	pler: (b)(4)				Signa	ture of S	ampler	;			
Sample#		ocatio	on				ne/Area			Date/Time \$	Sampled
S536	14th Fl Ab	ove	the Decon			7	60L	l		5/05/15 7:20a	m 1:40pm
S537	S537 13th Fl Outside the Decon				7	60L			5/05/15 7:22a	m 1:42pm	
S538						7	60L			5/05/157:24a	m 1:44pm
S539 11th FI Stairwell				7	60L			5/05/15 7:268	m 1.46pm		
S540 10th FI Stairwell					7	60L		~	5/05/15 7:288	m 1:48am	
Client Samp	e #'s -	1			L		Tota	1 # of Sa	amples	<b>s:</b> 8	
Relinquished			Da	ıte:	5/05/	15		Time:		5:30 pm	
Received (Lab	(la			te:	6 ,		Time:		9:17a	m	
Comments:	<del>"</del>			- 7				···	-		





## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

	Location	Volume/Area	Date/Time Sampled	
S541	Blank	OL	5/05/15	
		40.40	FIGAGE	
CGW201 Ir	nside the 13th Floor Decon	12x12	5/04/15	
CGW202 O	utside the 13th Floor Decon	12x12	5/04/15	
Comments/Specia	ıl Instructions:			

 $\mathsf{Page}\, \underline{2} \quad \mathsf{of}\, \underline{2} \quad \mathsf{pages}$ 



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

05/07/15 8:41 AM

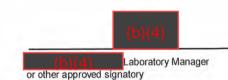
Collected:

5/6/2015

Project: Stennis B1 B2 Test Stand

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration	
S542 341504431-0003	5/6/2015 Site: 14th F	5/7/2015 I Above the De	930 L econ	4.3 μg/m³	<4.3 μg/m³	
S543 341504431-0004	5/6/2015 Site: 13th F	5/7/2015 I Outside the I	930 L Decon	4.3 μg/m³	<4.3 μg/m³	
S544 341504431-0005	5/6/2015 Site: 12th F	5/7/2015 I Below the De	930 L econ	4.3 μg/m³	<4.3 μg/m³	
S545 341504431-0006	5/6/2015 Site: 11th F	5/7/2015 I Stairwell	940 L	4.3 µg/m³	<4.3 μg/m³	
S546 341504431-0007	5/6/2015 Site: 10th F	5/7/2015 I Stairwell	940 L	4.3 µg/m³	<4.3 μg/m³	
S547 341504431-0008	5/6/2015 Site: ADS	5/7/2015 (b)(4)	910 L	4.4 µg/m³	<4.4 μg/m³	
S548 341504431-0009	5/6/2015 Site: Blank	5/7/2015	0 L	4.0 µg/filter	<4.0 µg/filter	



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/07/2015 13:35:27



### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

LABORATORY-PRODUCT		L_	- (b)(4)					FAX: (407) 59	9-9063	
01.16	) Francisco de carto	l Cagino	oring Inc	·-	EMSL-	Bill to: D	iffere	ent 🗸 Same		
Company: OHC	C Environmenta	Engine	enng, inc.	If Bill to is Different note instructions in Comments**						
Street: 5420 Ba	y Center Drive			Third Party Billing requires written authorization from third party						
City: Tampa		State/Pi	rovince: FL		1 Code: 3360		Co	untry: United	States	
Report To (Nam	ne): (b)(4)				e #: 813-626					
Email Address:		(b)(4	)	Fax #: 8	113 <u>-623-6702</u>			rchase Order:		
Project Name/N	umber: Stennis	B1 B2 T	est Stand		ovide Results				Mail	
U.S. State Samples Taken: MS CT Samples: 🔲 Commercial/Taxab							e 🗌 R	esidentiai/Tax	Exempt	
Turnaround Time (TAT) Options* - Please Check								0.19/0.0/6		
☐ 3 Hour	6 Hour	<b>2</b> 4	Hour 48 Hour		- , , ~ ~	96 Hour			2 Week	
		completed	d in accordance with EMS <b>Method</b>	L's Terms ar	na Conditions 10 Instru	ment	Reno	rting Limit	Check	
<b>A.</b>	Matrix			`	Flame Atomic			0.01%		
	wt. ☐ mg/cm³	⊔ ррш	SW846-7000E	<del></del>						
Air 24 hr.			NIOSH 7082		Flame Atomic			µg/filter		
27 111.			NIOSH 7105		Graphite F			3 µg/filter		
	·		NIOSH 7300 mod		ICP-AES			5 μg/filter	×	
Wipe*	ASTM	×	SW846-7000I		Flame Atomi			µg/wipe		
*if no box is	non ASTM checked, non-ASTM		SW846-6010B o		ICP-AES		1.0 µg/wipe 0.075 µg/wipe			
	Wipe is assumed		SW846-7000B/7		Graphite Furnace AA Flame Atomic Absorption		0.4 mg/L (ppm)		<del>-    </del>	
TCLP			SW846-1311/7000B/S SW846-1131/SW846-6					ng/L (ppm)		
			SW846-7000		Flame Atomi			ig/kg (ppm)		
Soil			SW846-7010		Graphite F			ng/kg (ppm)		
			SW846-6010B or C		ICP-	AES	2 mg/kg (ppm)			
14/	Unpreserved		SM3111B/SW846-	7000B		c Absorption		mg/L (ppm)		
Wastewater Preserved wit	Unpreserved th HNO ₃ pH < 2	H	EPA 200 9			urnace AA AES		mg/L (ppm) mg/L (ppm)		
			EPA 200.7 EPA 200 9			urnace AA		mg/L (ppm)		
	er Unpreserved th HNO ₃ pH < 2		EPA 200.8		<del></del>	-MS		mg/L (ppm)		
Preserved Wil	III FIINO3 pri 1 2		40 CFR Part		ICP-	AES				
TSP/SPM Filt	er		40 CFR Part	50	Graphite F	urnace AA	3.	6 µg/filter		
Other:					<u> </u>					
Name of Sam	pler: (b)(4	1)		Sign	ature of Sam					
Sample #		Locati	on		Volume	Area		Date/Time	FI.10	
S542	14th Fl	Above	the Decon		930			5/06/	15 1455	
S543	13th Fl	Outside	e the Decon		930			5/06/	15 1500	
S544					930			5/06/		
S545		th FI S			940			5/06		
S546			tairwell		940			5/06	15 1520	
Client Samp		2 - S5		5 + 500	w204	Total # of S	amples	3: 9		
		(b)(4		E 108		Time:		5:30 pm		
Relinquished	a (Cuent):			6	5/7/15	Time:	014	Ham		
Received (La Comments:			ate:		442	1 Inne.		11 00 110	<del></del>	
Comments:										



## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

(b)(4)

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S547	(ADS)/ (b)(4)	910	5/06/15 /450
S548	Blank	0L	5/06/15
SCGW20 <b>3</b>	Inside the 13th Floor Decon	12x12	5/06/15
SCGW204	Outside the 13th Floor Decon	12x12	5/06/15
. —			
Comments/S	pecial instructions:		
Comments/S	pecial Instructions:		



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com orlandolab@emsl.com

CustomerID: CustomerPO:

ProjectID:

EMSL Order:

OCCU56

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

05/07/15 8:41 AM

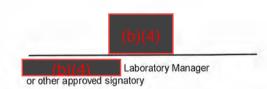
Collected:

5/6/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	nt SampleDescription Collected Analyzed		Area Sampled	RDL	Lead Concentration	
SCGW203	5/6/2015	5/7/2015	144 in²	10 μg/ft²	16 µg/ft²	
341504431-0001	Site: Inside	the 13th Floo	or Decon			
SCGW204	5/6/2015	5/7/2015	144 in²	10 μg/ft²	40 μg/ft²	
341504431-0002	Site: Outsi	de the 13th FI	oor Decon			



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "" (less than) results significient that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 05/07/2015 11:03:07



## Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

OHC.	Environmental Engine	ering Inc	EMSL-Bill to: Different / Same If Bill to is Different note instructions in Comments**					
Company:	Environmental Engine	0	Third Party Billing requires written authorization from third party					
	Center Drive Suite 10		Zip/Postal Code: 33609 Country: United States				States	
City: Tampa	State/P	rovince: FL_	Liph octal todo: coo					
Report To (Name	e): (b)(4)		Telephone #: 813-626-8156  Fax #: 813-623-6702					
Email Address:	(b)(4	1)					Mail	
Project Name/No	umber: Stennis B1 B2 1	est Stand		ovide Results:	<b>V</b>			
U.S. State Samp	iles Taken: MS		CT Sampl	es: Commercial/	laxable LI K	esidentialinax	LYBINDI	
		rnaround Time (TA		Hour 96 Ho	ur 1	Neek 🔲	2 Week	
3 Hour	■ 6 Hour ■ 24	Hour 48 Hour d in accordance with EMS		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1		
<del></del>	Matrix	Method	20 10///2 (//	Instrument	Repo	rting Limit	Check	
	wt. mg/cm² ppm	SW846-7000B	3	Flame Atomic Absorp	tion (	0.01%		
		NIOSH 7082		Flame Atomic Absorp	tion 4	µg/filter	×	
^{Air} 24 hr.		NIOSH 7105		Graphite Furnace A		3 µg/filter		
		NIOSH 7300 mod	ified	ICP-AES/ICP-MS		μg/filter		
300 - 4	ASTM X	SW846-7000E	3	Flame Atomic Absorp	tion 10	µg/wipe	×	
Wipe*	ASTM 🗵	SW846-6010B o	r C	ICP-AES	1.0	µg/wipe		
*if no box is o	checked, non-ASTM Wipe is assumed	SW846-7000B/7	010	Graphite Furnace A	A 0.07	5 μg/wipe		
TCLP		SW846-1311/7000B/SM 3111B		Flame Atomic Absorp		0.4 mg/L (ppm)		
ICL		SW846-1131/SW846-6		ICP-AES		0.1 mg/L (ppm)		
Soil		SW846-7000E		Flame Atomic Absorp		g/kg (ppm)	<u> </u>	
1		SW846-7010		Graphite Furnace A ICP-AES		ng/kg (ppm) g/kg (ppm)	<del>  - </del>	
		SW846-6010B o SM3111B/SW846-		Flame Atomic Absorp		ng/L (ppm)		
Wastewater	Unpreserved 🔲	EPA 200 9		Graphite Furnace		0.003 mg/L (ppm)		
Preserved with	h HNO₃ pH < 2 □	EPA 200.7		ICP-AES		mg/L (ppm)		
Drinking Wate	er Unpreserved	EPA 200 9		Graphite Furnace		0.003 mg/L (ppm)		
Preserved wit	h HNO₃ pH < 2 ☐	EPA 200.8		ICP-MS ICP-AES		0.001 mg/L (ppm) 12 µg/filter		
TSP/SPM Filt	er	40 CFR Part 9		Graphite Furnace		6 μg/filter		
	<u> </u>	40 CFR Fait		Orapino ranage				
Other:	(la) (A)		Signa	ature of Sampler:				
Name of Sam	Loca	rion	T June	Volume/Area		Date/Time	Sampled	
Sample # S542	14th FI Above			930		5/06/		
<del></del>	13th FI Outsig			930		5/06	15 1500	
S543			<del>                                      </del>			5/06	15 1505	
<b>——</b>	S544 12th FI Below the Decon		<u> </u>	930		5/06	70€	
S545 11th FI Stairwell			940		5/06	726		
S546	S546 10th FI Stairwell			940	# of Samples		710 732	
Client Sampl	e#'s \$542 - \$	548 SCGW 20!				5:30 pm		
Relinquished	<u> (Client):</u> (b)(4	) / Date:	5/06	/15	Time:	1.		
Received (La	(b)(4)	ate:		17/10 1	Time: 8:4	Ham		
	X-7X-9							

Page 1 of ___ pages



### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887

fone. (407) 599-5887 Fax: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S547	(ADS)/ (b)(4)	910	5/06/15 1450
S548	Blank	0L	5/06/15
SCGW203	Inside the 13th Floor Decon	12x12	5/06/15
SCGW204	Outside the 13th Floor Decon	12x12	5/06/15
, 47			
·			
		<u>,</u>	
Comments/S	pecial Instructions:		



Attn:

#### EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

OHC Environmental Engineering, Inc.

orlandolab@emsl.com

ProjectID:

EMSL Order:

CustomerID:

CustomerPO:

OCCU56

(813) 626-8156 (813) 623-6702 Fax: 05/08/15 10:18 AM Received:

Collected: 5/7/2015

Phone:

Suite 100 Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

5420 Bay Center Drive

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	ollected Analyzed Area Sampled		RDL	Lead Concentration		
SCGW205	5/7/2015	5/8/2015	144 in²	10 μg/ft²	21 μg/ft²		
341504495-0001	Site: Inside	the 13th Floo	or Decon				
SCGW206	5/7/2015	5/8/2015	144 in ²	10 μg/ft²	<10 µg/ft²		
341504495-0002	Site: Outsi	de the 13th FI	oor Decon				



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/t² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/08/2015 13:26:02



EMSL ANALYTICAL, INC.

## Lead (Pb) Chain of Custody EMSL Order ID (Let Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX. (407) 599-9063

Company : OH	IC Environmental Engine	ering, Inc.	ļ	EMSL-Bill to: Different / Same  If Bill to is Different note instructions in Comments**			
Street: 5420 B	ay Center Drive Suite 10	0	<del>_</del> <del>_</del>	hird Party Billing requi	res written au	thorization from third pa	
City: Tampa	State/P	rovince: FL	Zip/Post	al Code: 33609	····	Country: United	States
Report To (Nar	me): (b)(4)		Telepho	ne #: 813-626-81	56		
Email Address	(b)(4	4)	Fax #:	813-623-6702 Purchase Order:			
Project Name/	Number: Stennis B1 B2 T	Test Stand	Please F	rovide Results:	FAX	✓ E-mail	Mail
	nples Taken: MS		CT Sam	ples: 🗌 Commerc	ial/Taxable	☐ Residential/Tax	Exempt
	Tu	rnaround Time (TA					
☐ 3 Hour	■ 6 Hour ■ 24				Hour		2 Week
		d in accordance with EMS	L's Terms		d in the Price	Guide	Observed
	Matrix	Method		Instrume	nt i	Reporting Limit	Check
Chips 🗆 % by	ywt. 🗌 mg/cm² 🔲 ppm	SW846-7000E	3	Flame Atomic Ab	sorption	0.01%	
Air 24 hr.		NIOSH 7082		Flame Atomic Ab	sorption	4 µg/filter	×
<b>24</b> III.		NIOSH 7105		Graphite Furna		0.03 µg/filter	
		NIOSH 7300 mod	lified	ICP-AES/ICP	-MS	0.5 µg/filter	
Wipe* ASTM			3	Flame Atomic Ab		10 µg/wipe	x
*if no hoy is	non ASTM 🗍	SW846-6010B c	or C	ICP-AES		1 0 μg/wipe	
11 110 202 13	Wipe is assumed	SW846-7000B/7	010	1 <u></u>		0.075 µg/wipe	
TCLP SW846-1311/7000B/SI			Flame Atomic Ab		0.4 mg/L (ppm)		
	SW846-1131/SW846-6			ICP-AES		0.1 mg/L (ppm)	
Soil SW846-7000B			Flame Atomic Ab		40 mg/kg (ppm) 0.3 mg/kg (ppm)	<del>┈╞╡</del> ┈┧	
		SW846-7010 SW846-6010B o		Graphite Furna		2 mg/kg (ppm)	
·		SM3111B/SW846-		Flame Atomic Ab		0.4 mg/L (ppm)	
Wastewater	Unpreserved	EPA 200.9		Graphite Furna		0.003 mg/L (ppm)	
Preserved wi	ith HNO₃pH < 2 □	EPA 200.7		ICP-AES		0.020 mg/L (ppm)	
Drinking Wa	ter Unpreserved	EPA 200.9				0 003 mg/L (ppm)	
Preserved w	ith HNO₃pH < 2 □	EPA 200.8		ICP-MS		0.001 mg/L (ppm)	┡╌╬╌
TSP/SPM File	ter	40 CFR Part 5		ICP-AES		12 µg/filter 3 6 µg/filter	
		40 CFR Part 8	50	Graphite Furna	CE AA	3 6 µg/miter	┡╌┼╌
Other:	(1-) (4)		1 0:				
Name of San			Sign	ature of Sample Volume/Are		Date/Time	Sampled
Sample #	Locati	on	<b>!</b>	_	<u></u>		0700
5549	14th Floor Above to	re decon		960		5-7-15	1500
8550	13TH Floor Outside	the decon		960		5-7-15	1505
S551	12TH Floor Below	the decan		960		5-7-15	1510
\$552				954		5-7-15	1512
			950		5.7.15	1575	
Client Samp		- MITCHELL			al # of San	nples: 10	
Relinquished		Date:	5/6	7/15	Time: 4:30 pm		
Received (Lat	(h)			8-15	Time:	10:200	in
Comments:	<u> </u>	Date:		, , , , , , , , , , , , , , , , , , , ,	· · · · · · · · · · · · · · · · · · ·		

OrderID: (b)(4)



### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE: (407) 599-5887

FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
5554	ADS (b)(4)	940	5-7-15 1455
\$ <b>5 5 5</b>	BLANK		5-7-15
S 556	ADS (b)(4)	260	5.7.15
SCGW 205	Inside the 13th Floor Decon	12x12	5-7-15
5e6W 206	Outside the 13th Floor Decon	12x12	5.7-15
****			
		······································	
Comments/	Special Instructions:		

	National Aeronautics and Space Administration					DATE		May 12, 2015
NASA	CONTR	RACTOR TRAN	SMITTA	L SHEE	T		CUEET	
	John C. Stennis Space Center Stennis Space Center, MS 39529-6000					1	SHEET OF	1
			La laitinte	-1 6., 46,		1		1
	SECTION I - REQUEST FO		·	<del></del>	·	<u> </u>		
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,	·	JR I	CON	TRACT NO.	X	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF CON	<b>√PLIANCE</b>	'	NNS	14AA30T		1	
	(See Instructions on Reverse)		Table #Out Tr	L	** *** (16 A )	0 T	RESUBMITT	
TO	FROM	COLATEC INC	  PREVIOUS 1K		AL NO. (If Any)	"	RANSMITTA	L NO.
(D)(4	HARRY PEPPER & ASS	<u> </u>	TI E AND LOG	0			367	
SPECIFICATI 200HO-GAI	TION AND SECTION NO. (Cover Only One Section With Each T. 1004 02 82 33.13 Air & Wipe Samples Collecte		TITLE AND LOCA		B00-03 SOFT CO	RE PAINTIN	1G	
	DESCRIPTION OF ITEM SUBMITTED		- !		CONTRACT REF		VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURER	MANUFACTURER OF ITEM		DOCUM	ENT	(See	CODE
NO.	(See Instruction No. 3)	(See Instruction No. 8)		COPIES	SPECIFICATION	DRAWING	Instruction	(See Instruction
(a)	(b)	(c)	1	(4)	PARAGRAPH NO.	SHEET NO.	No. 6)	No. 9
	, ,	‡		(d)	(e)	(f)	(g)	(h)
1	Air Samples Collected 4-30-15 & Attached OHC Letter	OHC		3	3.4.1.1.C	-	<del>-</del> '	
2	Air Samples Collected 5-7-15	ОНС		3	-	-		-
3	Air Samples Collected 5-8-15	ОНС		3	-	-	-	-
4	Wipe Samples Collected 5-8-15	ОНС		3	-		-	-
-			_		-	-	-	-
-	- !		-		-	-	-	-
-	-	<del></del>	-	-	-			-
-   REMARKS:	-		-		-	- ]	<u> </u>	-
KEIVIANNO.	#VALUE!		1		t the above submitt re correct and in str			
					specifications exce			
			ļ					
					NAME AND SI	GNATURE O	F CONTRACTO	)R
	SEC	CTION II - APPROV	AL ACTION	1				
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, TITLE, AND SIGI	NATURE OF A	.PPROVING	AUTHORITY	DATE		
	!							
	· · · · · · · · · · · · · · · · · · ·	1						



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

05/04/15 9:31 AM

Collected:

4/30/2015

Stennis B1 B2 Test Stand

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S513	4/30/2015	5/4/2015	1070 L	3.7 μg/m³	420 μg/m³
341504287-0001	Site: (b)	(4) HPS M	an-lift Cutting Pipe Hanger East	1017	
S514	4/30/2015	5/4/2015	990 L	4.0 μg/m³	<4.0 μg/m³
341504287-0002	Site: 15' Do	wnwind of Dus	st Collector		
S515	4/30/2015	5/4/2015	186 L	22 μg/m³	<22 μg/m³
341504287-0003	Site: (b)	(4) ADS S	eparating the Dust Collector		
S516	4/30/2015	5/4/2015	0 L	4.0 µg/filter	<4.0 µg/filter
341504287-0004	Site: Blank				



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise. Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/04/2015 16:57:51



## Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX. (407) 599-9063

	IC Environmental Engine			EMSL-Bill to: Different  Same  If Bill to is Different note instructions in Comments**					
Street: 5420 B	say Center Drive Suite 10			Thi	rd Party Billing requi	res written			
City: Tampa	State/P	rovince: FL	Zip	Zip/Postal Code: 33609 Country: United States					
Report To (Na	me): (b)(4)			Telephone #: 813-626-8156					
Email Address		1)	Fax	c#: 8	13-623-6702		P	urchase Order	
Project Name/	Number: Stennis B1 B2	Test Stand	Ple	ase Pr	ovide Results:	FAX	₹	E-mail	Mail
	nples Taken: MS		СТ	Sampl	les: 🗌 Commerci	al/Taxab	le 🗌 F	Residential/Tax	Exempt
		rnaround Time							
☐ 3 Hour	☐ 6 Hour ■ 24				Hour 96		<u></u> 1	Week	2 Week
	*Analysis complete	d in accordance with l	EMSL's Te	erms ar	nd Conditions located	in the Pri	ce Guide	9	
	Matrix	Metho	od		Instrumer	ıt	Repo	orting Limit	Check
Chips 🗆 % b	y wt. 🗌 mg/cm² 🔲 ppm	SW846-7	000B		Flame Atomic Abs	orption		0.01%	
Air 24 hr.		NIOSH 7	082		Flame Atomic Abs	orption	4	µg/filter	<b>,</b> ■
27 111.		NIOSH 7	105		Graphite Furnac	e AA		03 µg/filter	
		NIOSH 7300	modified		ICP-AES/ICP-	MŞ	0.	5 μg/filter	
Wipe*	ASTM			1	Flame Atomic Abs	orption	10	) µg/wipe	
*if no box is	ASTM   non ASTM  schecked, non-ASTM	SW846-601	OB or C		ICP-AES			) µg/wipe	
	Wipe is assumed	SW846-7000	0B/7010		Graphite Furnac	e AA	0.07	75 µg/wipe	
TCLP	SW846-1311/7000B/S				Flame Atomic Absorption			0.4 mg/L (ppm)	
		SW846-1131/SW8	46-6010B	or C	ICP-AES		0.1 mg/L (ppm)		
Soil		SW846-7			Flame Atomic Abs			ng/kg (ppm)	
		SW846-7			Graphite Furnac	e AA		ng/kg (ppm)	
		\$W846-601			ICP-AES Flame Atomic Abs	antina	2 mg/kg (ppm) 0.4 mg/L (ppm)		<del> </del>
Wastewater	Unpreserved	SM3111B/SW846-7000B EPA 200.9		В	Graphite Furnace AA		0.003 mg/L (ppm)		
Preserved wi	ith HNO ₃ pH < 2 $\Box$	EPA 200.7		ICP-AES			) mg/L (ppm)		
Drinking Wa	ter Unpreserved	EPA 200.9		Graphite Furnace AA			3 mg/L (ppm)		
	ith HNO₃pH < 2 □	EPA 20			ICP-MS		0.001 mg/L (ppm)		
		40 CFR P	art 50		ICP-AES		1:	2 µg/filter	
TSP/SPM Fil	ter	40 CFR P	art 50		Graphite Furnace AA		3.	6 µg/filter	
Other:									
Name of San	npler: (b)(4)			Signa	ture of Sampler	<b>"</b> :			
Sample #	Locati	on	Τ,		Volume/Area			Date/Time S	Sampled
S513		ting Pipe Hanger East I	Pier		1070L	1	~	4/30/15 7:35a	
S514	15 feet down wind	of Dust Collecto	or		990L			4/30/15 7:40a	ım 3:55pm
S515		ating the Dust Colle			186L	•		4/30/15 2.22p	m 3:55pm
S516				<u></u>	0L			4/30/	15
	<u> </u>								
Client Samp	le#'s   S <i>S1</i> 3 - S <i>S</i>	i16	- 1		Tota	l # of Sa	amples	3: 3	
Relinquished		Dat	e: 4	4/30/	15	Time:		5:30 pm	
	(b)(4)	Date		5/1/10		Time:	9:31 AM		M
Received (Lab): Date:			<u> </u>		<i>/</i>	inne.		1	
1									

Page 1 of ____ pages



5420 Bay Center Dr. Suite 100 Tampa, FL 33609 Phone: 813.626.8156 Fax: 813.623.6702

www.ohcnet.com

May 6th, 2015

(b)(4)
Harry Pepper and Associates
Stennis Space Center

Re: (b)(4) PPE

Dear (b)(4)

On April 29 and 30, 2015 OHC collected personnel samples on (b)(4) (HPA) while he torch cut the interior radius of a pipe hanger on the East Pier. (b)(4) has a current pulmonary physical and a current fit test as well as lead awareness training. Before cutting the pipe, OHC requested (b)(4) to wear a half-face respirator and use a fan to blow fumes away from him while he was cutting the metal pipe. Before any torching activities began, OHC and (b)(4) determined that a Tyvek suit may catch fire and be too dangerous for use, therefore a Tyvek suit was not worn. OHC observed (b)(4) utilizing his half-face, then performed a positive and negative fit test on himself. (b)(4) was clean shaven at the time of this work.

Sincerely,

OHC Environmental Engineering Inc.

(b)(4)

Industrial Hygienist



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

05/08/15 10:18 AM

Collected:

5/7/2015

Project: Stennis B1 B2 Test Stand

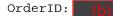
#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analy	vzed Volume	Volume RDL	
S549 341504495-0003	5/7/2015 5/8/2 Site: 14th Floor Al		4.2 μg/m³	<4.2 µg/m³
S550 341504495-0004	5/7/2015 5/8/2 Site: 13th Floor O		4.2 μg/m³	<4.2 μg/m³
S551 341504495-0005	5/7/2015 5/8/2 Site: 12th Floor Bo		4.2 μg/m³	<4.2 μg/m³
S552 341504495-0006	5/7/2015 5/8/2 Site: 11th Floor in		4.2 μg/m³	<4.2 μg/m³
S553 341504495-0007	5/7/2015 5/8/2 Site: 10th Floor in		4.2 μg/m³	<4.2 μg/m³
S554 341504495-0008	5/7/2015 5/8/2 Site: ADS (b)	015 940 L	4.3 μg/m³	<4.3 μg/m³
S555 341504495-0009	5/7/2015 5/8/2 Site: Blank	015 0 L	4.0 μg/filter	<4.0 µg/filter
S556 341504495-0010	5/7/2015 5/8/2 Site: ADS (h)	2015 260 L	15 μg/m³	640 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter. ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting MIM. Measurement of or incretainty is available upon request. The QC data associated with the sample results. included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 05/08/2015 14:30:25





### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Professional Anti-Manager	VI 5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -										1 ///. (40		9-9063
Company : OH	IC Environmental	Engine	ering, Inc.	•			El If Bill	MSL-Bill to is Differe	to: I	Diffe: nctions	rent 🗸	Same •	}
Street: 5420 B	ay Center Drive S	Suite 10	0			L Thi	ird Party R	illina reduu	res written	authori	ization from	third pa	arty
City: Tampa			rovince:	FL		tal Code: 33609 Country: United States							
Report To (Nar	me): (b)(4)				Teleph	φn	e#: 813	3-626-81	56				
Email Address	:	(h)(4	)		Fax #:	8	13-623-	6702		F	urchase (		
Project Name/Number: Stennis B1 B2 Test Stand			d	Please	Pr	ovide Re	esults:	FAX		/ E-mail		Mail	
	ples Taken: MS				CT San	ηp	les: 🔲 C	ommerc	ial/Taxab	le 🗌	Residenti	al/Tax	Exempt
0.000		Tu	rnaround	Time (TA									
☐ 3 Hour	■ 6 Hour	<b>24</b>	Hour	☐ 48 Hour		72	Hour	□ 96	Hour	_	1 Week		2 Week
	*Analysis	complete	d in accorda	nce with EMS	SL's Terms	a				ce Guic	le		
	Matrix			Method		Ц	- In	strumer	nt	Rep	orting Li	mit	Check
Chips ☐ % by	y wt. 🗌 mg/cm² 🛘	ppm		SW846-7000I	B	Ц	Flame /	Atomic Abs	orption		0.01%		
Air 24 hr.				NIOSH 7082	2			Atomic Abs	·		4 µg/filter		×
24 (11).				NIOSH 7105		Ц		hite Furnac			03 µg/filte		<del>                                     </del>
			NIOSH 7300 modified			+		-AES/ICP-			.5 µg/filte		
Wipe*	ASTM	×		SW846-7000		$\perp$	Flame	Atomic Abs	sorption		0 µg/wipe 0 µg/wipe		
*if no box is	non ASTM	Ц		V846-6010B ( V846-7000B/7		$\mathbb{H}$	Gran	ICP-AES	AA ex		<del>υ μg/wipi</del> γοριμασίου		
TOLD	Wipe is assumed			1311/7000B/		H				0.4 mg/L (ppm)			
TCLP				131/SW846-6		;	1 124110 1	ICP-AES			mg/L (pp		
Soil SW846-7000		В		Flame	Atomic Abs	sorption		mg/kg (pr					
				SW846-7010		1	Grap	hite Furnac	ce AA		mg/kg (p		
				V846-6010B		+	··	ICP-AES			2 mg/kg (ppm) 0.4 mg/L (ppm)		<del>                                     </del>
Wastewater	Unpreserved		SM3111B/SW846-7000B EPA 200.9		+				3 mg/L (pp				
Preserved wi	ith HNO₃pH < 2			EPA 200.9		+	ICP-AES		0.020 mg/L (ppm)				
Drinking Wat	ter Unpreserved			EPA 200.9					)3 mg/L (p	pm)			
	ith HNO ₃ pH < 2			EPA 200.8				ICP-MS			)1 mg/L (p		
TSP/SPM File	ter			40 CFR Part		1		ICP-AES			12 µg/filte		
			-	40 CFR Part	50	$^{+}$	Graphite Furnace AA		-	3 6 µg/filte	1		
Other:					1	+		<del></del>		/1-	. \ / 4\		
Name of San	npler:	(b)(4)		·····	1 510	na		Sample: ume/Are		(10	Date/	Γime	Sampled
Sample #		Locati				+			<u>a</u>		1		0744
5549	14th Floor At	sove to	ne deco	<u>N</u>	<b>↓</b>	+		160_			5-7-15		1500
\$550	13TH Floor O	utside	the dec	المر		1		160			5-7-15		1505
S551	12TH FLOOR E	أواص	the de	فدسدا				160			5.7.15		1510
S 552							(	754_			5-7-15		1512
S552 1174 Floor IN Stairwell S553 1074 Floor IN Stairwell					(	150			5.7.15		1575		
Client Samp		1,	MITCAEL			Ť		Tota	l # of S	ample	s:	10	
Relinquished				Date:	5/	, d	1/15 Time: 4:30 pm		m				
			4)	Date:			8-15		Time:		10:	200	en
Received (Lat	0):			Date:		$\dagger$	<u> </u>	·	,				





### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample#	Location	Volume/Area	Date/Time Sampled		
5554	ADS (b)(4)	940	5-7-15 1455		
\$55 <b>5</b>	BLANK		5-7-15		
S 556	ADS (b)(4)	260	5-7-15		
SCGW 205	Inside the 13th Floor Decon	12x12	5-7-15		
50601706	Outside the 13th Floor Decon	12x12	-5.7-15		
·····					
l					
Comments/S	pecial Instructions:				



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn: (b)(4)

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

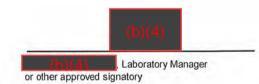
Phone: (813) 626-8156 Fax: (813) 623-6702

Received: 05/11/15 8:35 AM

Collected: 5/8/2015

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S557 341504540-0003		5/11/2015 Floor Above the	960 L Decon	4.2 μg/m³	<4.2 µg/m³
S558 341504540-0004	212122	5/11/2015 Floor Outside th	960 L ne Decon	4.2 μg/m³	<4.2 µg/m³
S559 341504540-0005		5/11/2015 Floor Below the	962 L Decon	4.2 μg/m³	<4.2 μg/m³
S560 341504540-0006		5/11/2015 Floor in Stairwe	960 L II	4.2 μg/m³	<4.2 μg/m³
S561 341504540-0007		5/11/2015 Floor in Stairwe	960 L II	4.2 μg/m³	<4.2 μg/m³
S562 341504540-0008	112,021,02	5/11/2015 (b)(4)	840 L	4.8 μg/m³	<4.8 μg/m³
S563 341504540-0009	5/8/2015 Site: Blank	5/11/2015	0 L	4.0 μg/filter	<4.0 µg/filter
S564 341504540-0010	5/8/2015 Site: ADS	5/11/2015 (b)(4)	700 L	5.7 μg/m³	<5.7 μg/m³
S565 341504540-0011	5/8/2015 Site: Area	5/11/2015 Sample SE Co	650 L rner B-2 Test Stand	6.2 μg/m³	<6.2 µg/m³



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter. ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "c" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 05/11/2015 12:25:17

#### OrderID:



EMBL ANALYTICAL, INC.

### TRK# 7950 3273 8269

### Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

ab Use Only): Orlar

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

								, ,	
Company: Of	HC Environmenta	al Engine	ering, Inc.					rent / Same	
Street: 5420 Bay Center Drive Suite 100			If Bill to is D∦ferent note instructions in Comments **						
City: Tampa	•				Third Party Billing requires written authorization from third party  Zip/Postal Code: 33609 Country: United State:				
Report To (Na	me): (b)(4)				ne #: 813-626-8			<u> </u>	
Email Address		/b)/	<u> </u>		313-623-6702			urchase Order	
	/Number: Stennis	B1 B2	Test Stand		rovide Results:	FAX		E-mail	Mail
	nples Taken: MS	DIBL	Tool Olana						
U.S. State San	npies raken: MO	rnaround Time (TA		les: Comme		ole []	Residentiali 12)	Exempt	
☐ 3 Hour	6 Hour	■ 24				6 Hour		Week	2 Week
			d in accordance with EMS						
	Matrix	•••	Method		Instrum	ent	Rep	orting Limit	Check
Chips □%b	y wt. ☐ mg/cm² [	□ ppm	SW846-70008	3	Flame Atomic A	bsorption		0.01%	
Air 24 hr.			NIOSH 7082		Flame Atomic A	bsorption	4	μg/filter	X
24 111.			NIOSH 7105		Graphite Furn	ace AA		03 µg/filter	
			NIOSH 7300 mod	dified	ICP-AES/IC	P-MS	0.	5 µg/filter	
Wipe*	ASTM	×	SW846-7000	В	Flame Atomic Absorption		10	) µg/wipe	×
*if no hoy is	non ASTM s checked, non-ASTM		SW846-6010B o	or C	ICP-AE	S	1.0	0 µg/wipe	
	Wipe is assumed		SW846-7000B/7	010	Graphite Furnace AA		0.0	75 µg/wipe	
TCLP			SW846-1311/7000B/SM 3111B		Flame Atomic Absorption		0.4 mg/L (ppm)		
	SW846-1131/SW846-60						mg/L (ppm)		
Soil							ng/kg (ppm)		
	SW846-7010 SW846-6010B or			ICP-AES			ng/kg (ppm) ig/kg (ppm)	<del> - </del>	
SM3111B/SW846-			· · · · · · · · · · · · · · · · · · ·			mg/L (ppm)	$\vdash$		
Wastewater	Unpreserved		EPA 200.9	. 0000	Graphite Furn			mg/L (ppm)	
Preserved wi	ith HNO₃pH < 2		EPA 200.7		ICP-AE			mg/L (ppm)	
	ter Unpreserved	EPA 200.9			Graphite Furnace AA		0.003 mg/L (ppm)		
Preserved wi	eserved with HNO ₃ pH < 2			ICP-MS		0.001 mg/L (ppm)			
TSP/SPM Fill	ter		40 CFR Part 5 40 CFR Part 5		ICP-AES Graphite Furnace AA			2 µg/filter	<del>┋</del>
Other:			40 CPR Part 5	1	Grapnice Furn	ace AA	3.	6 µg/filter	
Name of Sam	npler:			Signa	ture of Sample	er:	<u> </u>		
Sample #		Locati	on	Volume/Area Date/Time Sample					Sampled
5557	with the A.	1.		960				064	
	14th Floor Above the decon						5-8-15 1445		
5 5 5 %	13th Flour outside the decar			960				5.8-15 1447	
5559	1274 Floor &	Floor below the decon			962			5-8-15 14	50
5560	HEN Floor 1				960			5-8-18 14	52
S561 10TH Floor IN Stair Well				,	960	١		5-8-15 14	55
Client Sampl	e #'s	_			Tot	al # of Sa	amples	i: []	
Relinquished	d (Client):	(b)(	Date:	5-9	8-15	Time:		4:30 pm	
Received (Lab	<u></u>		Date:	$\perp$ 5	11/15	Time:		935 a	~
Comments:	(			•	, <b>/</b>			-	
					•				

Page 1 of 2 pages



#### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887

FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
\$562	ADS (b)(4)	840	5-8-15 1460
S563	BLANK		5-8-15
S564	ADS (b)(4)	700	5.8.15 1380
SCGW 207	Incide the 13th Floor Decen	12x12	5-8-15
Scen 208	O. 4. 1. 1. 4 404. Flage Dage	12x12	5.8.15
\$565	AREA SAMPLE SE Comer 8-2 Tool Stand	650	5-8-13 1355
	:		
	-		
	i l		

 $\mathsf{Page} \, \underline{2} \quad \mathsf{of} \, \underline{2} \quad \mathsf{pages}$ 



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

05/11/15 8:35 AM

Collected:

5/8/2015

Project: Stennis B1 B2 Test Stand

#### Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected A	<i>Analyzed</i>	Area Sampled	RDL	Lead Concentration
SCGW207 341504540-0001	5/8/2015 5/ Site: Inside th	11/2015 e 13th Floo	144 in² r Decon	10 μg/ft²	<10 µg/ft²
SCGW208	5/8/2015 5/	11/2015	144 in²	10 μg/ft²	<10 µg/ft²
341504540-0002	Site: Outside the 13th Floor Decon				



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/fl2 x area sampled in fl2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/11/2015 11:04:49

#### OrderID:



### TRK# 7950 3273 8269

### Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE: (407) 599-5887 FAX: (407) 599-9063

Company : OHC Environmental Engineering, Inc.			EMSL-Bill to: Different / Same If Bill to is Different note instructions in Comments**					
Street: 5420 Bay Center Drive Suite 100								
City: Tampa	ampa State/Province: FL z			Third Party Billing requires written authorization from third party  ZIp/Postal Code: 33609 Country: United States				
Report To (Name): (b)(4)				ne #: 813-626-8	156		- Julius	DIALOG
Email Address:	(b)(/	1)		313-623-6702		Р	urchase Order	
Project Name/Number: Stennis	B1 B2	Test Stand		rovide Results:	FAX			Mail
U.S. State Samples Taken: MS				les: 🔲 Commer	cial/Tavak	ا ماد		<u> </u>
	Ti	rnaround Time (TA				)IG []	ivesidentiali rax	Exempt
3 Hour 6 Hour		Hour 48 Hour			6 Hour	1	Week	2 Week
	complete	d in accordance with EMS			ed in the Pri	_		
Matrix		Method		Instrume	ent	Rep	orting Limit	Check
	ppm	SW846-7000E	3	Flame Atomic Al	osorption		0.01%	
Air 24 hr.		NIOSH 7082		Flame Atomic Al	osorption	4	l μg/filter	×
		NIOSH 7105		Graphite Furna			03 µg/filter	
		NIOSH 7300 mod		ICP-AES/ICF			5 µg/filter	
Wipe* ASTM	×	SW846-7000E		Flame Atomic At			0 µg/wipe	×
non ASTM *if no box is checked, non-ASTM		SW846-6010B c		ICP-AES			0 µg/wipe	
Wipe is assumed		SW846-7000B/7	010	Graphite Furna			75 μg/wipe	
TCLP SW846-1311/7000B/SI			Flame Atomic At	<del>-</del>		mg/L (ppm)		
SW846-1131/SW846-60						mg/L (ppm)		
Soil		SW846-7000E SW846-7010		Graphite Furna			ng/kg (ppm) ng/kg (ppm)	
		SW846-6010B c		ICP-AES			ig/kg (ppiii) ig/kg (ppm)	
SM3111B/S		SM3111B/SW846-	6-7000B Flame Atomic Absorption			0.4 mg/L (ppm)		The last
Wastewater Unpreserved Preserved with HNO₃ pH < 2		EPA 200.9		Graphite Furna	ace AA		mg/L (ppm)	
	<u> </u>	EPA 200.7		ICP-AES			) mg/L (ppm)	
		EPA 200.9		Graphite Furnace AA			3 mg/L (ppm)	
Preserved with HNO ₃ pH < 2			ICP-MS			1 mg/L (ppm)		
TSP/SPM Filter		40 CFR Part 5 40 CFR Part 5		Graphite Furns			2 µg/filter 6 µg/filter	
Other:	***	10 011(1 011)		Orapinto i ante	100701	<u> </u>	о ручног	
Name of Sampler:			Signa	ture of Sample	r:			
Sample #	Location	on		Volume/Are			Date/Time S	
5557 147 Floor Ab	oue th	a darna	:	960			5-8-15 144	_ 1
			960				5.8-18 146	7
	13th Flow outside the decan						06	
	1274 Floor below the decon		962				5-8-15 14	<u>50</u>
5560 HELL Floor 1	11 TH Floor IN Stairwell		960				5-8-18 14	5 Z
3561 10TH Floor	12 5	lair wen		960		3	5-8-15 14	55 55
Client Sample #'s	-				al # of Sa	mples	: 11	
Relinquished (Client):	(b)(4	Date:	5-9	8-15	Time:		4:30 pm	
Received (Lab):		Date:	5	11/14	Time:		837 C	$\sim$
Comments:								
				`				

Page 1 of 2 pages



#### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S562	ADS (b)(4)	840	5-8-15 1460
<u> 5563</u>	BLANK		5-8-15
S564	ADS (b)(4)	700	5.8.15 1380
C6W207	Inside the 13th Floor Decon	12x12	5-8-15
cew 208	0 1 1 1 400 5 5	12x12	5.8.15
3565	AREA SAMPLE SE Corner B-2 Test Stand	650	5-8-(\$ /355
1			
		<u> </u>	

 $\mathsf{Page}\, \underline{2} \quad \mathsf{of}\, \underline{2} \quad \mathsf{pages}$ 

	National Aeronautics and					DATE		May 19, 2015
NASA	Space Administration CONTR	Т !	<del></del>					
	John C. Stennis Space Center	1	i .	SHEET	_			
	Stennis Space Center, MS 39529-6000					1	OF	1
	SECTION I - REQUEST FO				<del>_</del>		1	
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,		R !	CONT	TRACT NO.	X	NEW SUBMI	ITTAL
	MANUFACTURER'S CERTIFICATES OF COM	<b>√PLIANCE</b>		NNS	14AA30T	<del></del>	1	
	(See Instructions on Reverse)		SSEVIOUS TI	<u> </u>			RESUBMITTA	
ТО	FROM		PREVIOUS IN		AL NO. (If Any)	11	RANSMITTA	L NO.
(D)(	HARRY PEPPER & ASS  ION AND SECTION NO. (Cover Only One Section With Each To		L TLE AND LOCA	O TATION			375	
200HO-GA	·				B00-03 SOFT CO	RE PAINTIN	١G	
	DESCRIPTION OF ITEM SUBMITTED				CONTRACT REF		VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURER (	OF ITEM	NO OF	DOCUMI	ENT	(See	CODE
NO.	(See Instruction No. 3)	(See Instruction i	COPIES	SPECIFICATION	DRAWING	Instruction	(See Instruction	
(a)	(b)	(c)	(d)	PARAGRAPH NO. (e)	SHEET NO. (f)	No. 6) (g)	No. 9 (h)	
1	Wipe Samples Collected Background 5-11-15 9th FL	ОНС	3	3.4.1.1.C	(1)	(g)	([1)	
2	Wipe Samples Collected Background 5-11-15 10 FL	ОНС		3	3.4.1.1.C	_	_	
3	Wipe Samples Collected Background 5-11-15 13th FL	ОНС		3	3.4.1.1.C		_	
4	Wipe Samples Collected 5-11-15 19th Floor	OHC		3	3.4.1.1.C 3.4.1.1.C		_	
5	Wipe Samples Collected 5-11-13 19th Floor  Wipe Samples Collected 5-12-15 8th floor	ОНС		3	3.4.1.1.C 3.4,1.1.C		_	
5 6	Wipe Samples Collected 5-12-15 att floor	OHC		3	3.4.1.1.C		_	_
<del>.</del>	<u> </u>	ОНС		<del>                                     </del>	3.4.1.1.C 3.4.1.1.C			<del>-</del>
8 #DEE!	Wipe Samples Collected 5-14-15			3 #DEE!	<del>                                     </del>	#REF!	- #DEE1	#DEE1
#REF! #REF! #REF! #REF! #REF! #REF! #REF! #REF!							#REF! e been reviewed	#REF!
	5 Hard Copies included.			detail and ar	re correct and in str	rict conformar		
				drawings &	specifications, exce	ot as stated.		
						(b)(4)		
				<u></u>	NAME AND SIG	GNATURE O	F CONTRACTO	DR
		CTION II - APPROVA						
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, TITLE, AND SIGN	NATURE OF A	PPROVING	AUTHORITY	DATE		
	1				1	1		
	·	1			,	4		



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order:

CustomerID: CustomerPO:

ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

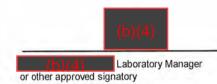
05/15/15 9:00 AM

Collected:

5/12/2015

#### Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed	Area Sampled	RDL	Lead Concentration
BL-125 341504780-0001	5/12/2015 5/16/2015 Site: Outside 9th FIT	i 144 in² hrust Drum Area 5' from Wall NW	10 μg/ft²	85 μg/ft²
BL-126 341504780-0002	5/12/2015 5/16/2015 Site: Outside 9th FLT	5 144 in² hrust Drum Area 5' from Wall W Cen	10 μg/ft²	26 μg/ft²
BL-127 341504780-0003	5/12/2015 5/16/2015 Site: Outside 9th FI Ir	5 144 in² nstrumentation Tunnel TDA SW	10 μg/ft²	120 µg/ft²
BL-128 341504780-0004	5/12/2015 5/16/2015 Site: Outside 9th FI 5	5 144 in² from Wall SE Corner	10 μg/ft²	8700 μg/ft²
BL-129 341504780-0005	5/12/2015 5/16/2015 Site: Outside 9th FI 7		10 μg/ft²	1300 μg/ft²
BL-130 <i>341504780-0006</i>	5/12/2015 5/16/2015 Site: Outside 9th FI 9	5 144 in² ' from Wall SW Corner	10 μg/ft²	600 μg/ft²
BL-131 341504780-0007	5/12/2015 5/16/2018 Site: Outside 9th FI 5	5 144 in² ' from Wall NW Center	10 μg/ft²	67 μg/ft²
BL-132 341504780-0008	5/12/2015 5/16/2015 Site: Outside 9th FI 5	5 144 in² ' from Wall at Doorway N Center	10 μg/ft²	2900 μg/ft²
BL-133 341504780-0009	5/12/2015 5/16/2019 Site: Outside 9th FI 5	5 144 in² ' from Wall NE Corner	10 μg/ft²	160 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft/2 x area sampled in ft/2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. """ (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/16/2015 20:52:28

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only).

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Street: 5420 Bay Center Drive Suite 100   State/Province: FL Zip/Postal Code: 33609   Country: United States   Third Party Billing requires written authorization from third party   Country: United States   Third Party Billing requires written authorization from third party   Country: United States   Third Party Billing requires written authorization from third party   Country: United States   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written authorization from third party   Third Party Billing requires written								
State   Province   FL   Zip   Postal Code: 33609   Country: United States								
Telephone #: 813-626-8156								
Fax #: 813-623-6702								
Project Name/Number: Stennis B1 B2 Test Stand								
CT Samples:   Crommercial/Taxable   Residential/Tax Exempt   Turnaround Time (TAT) Options* - Please Check   2 Week   2 Week   3 Hour     6 Hour     24 Hour       48 Hour       72 Hour     96 Hour     1 Week     2 Week     4 Matrix								
CT Samples:   Crommercial/Taxable   Residential/Tax Exempt   Turnaround Time (TAT) Options* - Please Check   2 Week   2 Week   3 Hour     6 Hour     24 Hour       48 Hour       72 Hour     96 Hour     1 Week     2 Week     4 Matrix								
3 Hour								
"Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide           Matrix         Method         Instrument         Reporting Limit         Check           Chips								
Matrix								
NIOSH 7082   Flame Atomic Absorption   0.01%     NIOSH 7082   Flame Atomic Absorption   4 µg/filter     NIOSH 7105   Graphite Furnace AA   0.03 µg/filter     NIOSH 7300 modified   ICP-AES/ICP-MS   0.5 µg/filter     NIOSH 7300 modified   ICP-AES/ICP-MS   0.5 µg/filter     NIOSH 7300 modified   ICP-AES/ICP-MS   0.5 µg/filter     NIOSH 7300 modified   ICP-AES/ICP-MS   0.5 µg/filter     NIOSH 7300 modified   ICP-AES/ICP-MS   0.5 µg/filter     NIOSH 7300 modified   ICP-AES/ICP-MS   0.5 µg/filter     NIOSH 7300 modified   ICP-AES   1.0 µg/wipe     NIOSH 7300 modified   ICP-AES   1.0 µg/kg (ppm)     OSH 7300 modified   ICP-AES   1.0 µg/kg (ppm)     NIOSH 7300 modified   ICP-AES   1.0 µg/kg (ppm)   NIOSH 7300 modified   ICP-AES   1.0 µg/kg (ppm)   NIOSH 7300 modified   ICP-AES   1.0 µg/kg (ppm)   NIOSH 7300 modified   ICP-AES   1.0 µg/kg (ppm)   NIOSH 7300 modified   ICP-AES   1.0 µg/kg (ppm)   NIOSH 7300 modified   ICP-AES   1.0 µg/kg (ppm)   NIOSH 7300 modified   ICP-AES   1.0 µg/kg (ppm)   NIOSH 7300 modified   ICP-AES   1.0 µg/kg (ppm)   NIOSH 7300 modified   ICP-AES   1.0 µg/kg (ppm)   NIOSH 7300 modified modified modified modified modified modified modified modified modified modified modified modified modified modified modified modified modified modified modified modified modified mod								
NIOSH 7082   Flame Atomic Absorption   A µg/filter								
NIOSH 7105   Graphite Furnace AA   0.03 μg/filter   □								
NIOSH 7300 modified   ICP-AES/ICP-MS   0.5 μg/filter   □								
SW846-7000B   Flame Atomic Absorption   10 µg/wipe   SW846-6010B or C   ICP-AES   1.0 µg/wipe   CP-AES   1.0 µg/								
SVM846-6010B or C   ICP-AES   1.0 µg/wipe								
SW846-7000B/7010   Graphite Furnace AA   0.075 μg/wipe								
SW846-7000B/7010   Graphite Furnace AA   0.075 μg/Wipe   □								
SW846-1131/SW846-6010B or C   ICP-AES   0.1 mg/L (ppm)								
Svii								
SW846-7010   Graphite Furnace AA   0.3 mg/kg (ppm)								
SW846-6010B or C   ICP-AES   2 mg/kg (ppm)								
Wastewater Preserved with HNO₃ pH < 2         SM3111B/SW846-7000B         Flame Atomic Absorption         0.4 mg/L (ppm)         □           Preserved with HNO₃ pH < 2								
Preserved with HNO₃ pH < 2         EPA 200.9         Graphite Furnace AA         0.020 mg/L (ppm)         □           Drinking Water Unpreserved Preserved with HNO₃ pH < 2								
Drinking Water Unpreserved								
Preserved with HNO ₃ pH < 2         EPA 200 8         ICP-MS         0 001 mg/L (ppm)         ICP-MS           TSP/SPM Filter         40 CFR Part 50         ICP-AES         12 μg/filter         ICP-AES <td< td=""></td<>								
TSP/SPM Filter								
Other:  Name of Sampler: (b)(4)  Sample # Location Volume/Area Date/Time Sampled  BL-125 Outside 9th FI Thrust Drum Area 5 ft from wall NW  Sample # 12X12 Floor 5/12/15								
Other:  Name of Sampler: (b)(4)  Sample # Location Volume/Area Date/Time Sampled  BL-125 Outside 9th FI Thrust Drum Area 5 ft from wall NW 12X12 Floor 5/12/15								
Name of Sampler: (b)/4)  Sample # Location Volume/Area Date/Time Sampled  BL-125 Outside 9th Fl Thrust Drum Area 5 ft from wall NW 12X12 Floor 5/12/15								
Sample # Location Volume/Area Date/Time Sampled BL-125 Outside 9th Fl Thrust Drum Area 5 ft from wall NW 12X12 Floor 5/12/15								
BL-125 Outside 9th Fl Thrust Drum Area 5 ft from wall NW 12X12 Floor 5/12/15								
BI -126 Outside 9th FI Thrust Drum Area 5 ft from wall WCenter 12X12 Floor 5/12/15								
BL-127 Outside 9th FI Instrumentation Tunnel (TDA) SW 12X12 Floor 5/12/15								
BL-128 Outside 9th FI 5 ft from wall SECorner 12X12 Floor 5/12/15								
BL-129 Outside 9th Fl 7 ft from wall SCenter 12X12 Floor 5/12/15								
Client Sample #'s 8645 - 86753 Total # of Samples:								
5:30 pm								
Reinquisment Chent.								
Received (L. (h)(4) Date: 1 Of Time.								
Comments:								





### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804

PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
BL-130	Outside 9th FI 9ft from wall SWCorner	12X12 Floor	5/12/15
BL-131	Outside 9th Fl 5ft from wall NWCenter	12X12 Floor	5/12/15
BL-132	Outside 9th FI 5ft from wall at doorway NCenter	12X12 Floor	5/12/15
BL-133	Outside 9th Fl 5ft from wall NECorner	12X12 Floor	5/12/15
-			
Comments/S	pecial Instructions:		

Page	of	pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com orlandolab@emsl.com

OCCU56

CustomerID:

CustomerPO:

EMSL Order:

ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

05/15/15 9:00 AM

Collected:

5/12/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
BL-119	5/12/2015	5/16/2015	144 in²	10 μg/ft²	360 μg/ft²
341504778-0001	Site: Outsi	ide 10th FI 5' f	rom Blast Door S Center		
BL-120	5/12/2015	5/16/2015	144 in²	10 μg/ft²	210 µg/ft²
341504778-0002	Site: Outsi	ide 10th FI 5' f	rom Wall SW Corner		
BL-121	5/12/2015	5/16/2015	144 in²	10 μg/ft²	370 μg/ft²
341504778-0003	Site: Outs	ide 10th FI Ins	trumentation Tunnel 20' from Wa		
BL-122	5/12/2015	5/16/2015	144 in²	10 μg/ft²	160 μg/ft²
341504778-0004	Site: Outs	ide 10th FI We	est Support Booster Frame Center		
BL-123	5/12/2015	5/16/2015	144 in²	10 μg/ft²	230 μg/ft²
341504778-0005	Site: Outs	ide 10th FI We	est Support Booster Frame North		
BL-124	5/12/2015	5/16/2015	120 in ²	12 µg/ft²	150 μg/ft²
341504778-0006	Site: Outs	ide 10th FI We	est Support Booster Frame East		



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft2 which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "c" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/16/2015 20:51:05



#### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX (407) 599-9063

					-1.56 (407) 30		
Company : OH	IC Environmental Engine	ering, Inc.		EMSL-Bill to: If Bill to is Different note ins	Different Same		
Street 5420 B	ay Center Drive Suite 10	0	Third Party Billing requires written authorization from third party				
City: Tampa		rovince: FL	Zip/Posta	l Code: 33609	Country: United		
Report To (Nat	me): (b)(4)		Telephon	e #: 813-626-8156		- X	
Email Address	(b)(4	Λ	Fax #: 8	13-623-6702	Purchase Order	* * 4,	
Project Name/	Number: Stennis B1 B2 T	est Stand	Please Pr	ovide Results: FAX	⟨ ✓ E-mail	Mail	
	ples Taken: MS		CT Samp	les: 🗌 Commercial/Taxal	ole 🗌 Residential/Tax	Exempt	
	Tu	rnaround Time (TA					
☐ 3 Hour	☐ 6 Hour ☐ 24			Hour 96 Hour	☐ 1 Week ☐	2 Week	
			L's Terms a	nd Conditions located in the Pr	ace Guide	Ch - els	
Matrix Method				Instrument	Reporting Limit	Check	
Chips □% b	y wt. ☐ mg/cm² ☐ ppm	SW846-7000E	3	Flame Atomic Absorption	0.01%		
Air		NIOSH 7082		Flame Atomic Absorption	4 µg/filter		
		NIOSH 7105		Graphite Furnace AA	0.03 µg/filter	┟╼╞╡╼╢	
		NIOSH 7300 mod		ICP-AES/ICP-MS	0.5 µg/filter		
Wipe*	ASTM 😿	SW846-7000E		Flame Atomic Absorption	10 µg/wipe		
*if no box is	checked, non-ASTM	SW846-6010B o		ICP-AES Graphite Furnace AA	1.0 µg/wipe 0.075 µg/wipe		
	Wipe is assumed	SW846-1311/7000B/S		Flame Atomic Absorption	0.4 mg/L (ppm)		
TCLP	SW846-131//5W846-6			ICP-AES	0.1 mg/L (ppm)		
Soil	SW846-7000E			Flame Atomic Absorption	40 mg/kg (ppm)		
] 00	SW846-7010			Graphite Furnace AA	0.3 mg/kg (ppm)		
	SW846-6010B o			ICP-AES	2 mg/kg (ppm)		
Wastewater	Unpreserved SM3111B/SW846-		7000B	Flame Atomic Absorption	0.4 mg/L (ppm) 0.003 mg/L (ppm)	<del>┠╸╞╡╺</del> ╏	
	ith HNO pH < 2			Graphite Furnace AA ICP-AES	0.003 mg/L (ppm)	┞─ <del>╒</del> ┤	
	ater Unpreserved EPA 200.9			Graphite Furnace AA	0 003 mg/L (ppm)		
	rith HNO₃ pH < 2 □	EPA 200.8		ICP-MS	0.001 mg/L (ppm)		
	40 CFR Part 5		50	ICP-AES	12 µg/filter		
15P/SPM FI	TSP/SPM Filter 40 CFR Part		50	Graphite Furnace AA	3.6 µg/filter	<del>                                     </del>	
Other:					L		
Name of Sar			Signa	ature of Sampler:	(b)(4)		
Sample #	Locati	on		Volume/Area '	Date/Time		
BL-119	Outside 10th FI 5 ft from	blast door SCenter		12X12 Floor	5/12/		
BL-120	Outside 10th FI 15 ft fr	om wall SWCorner		12X12 Floor	5/12/	15	
BL-121	Outside 10th FI instrumentation to	innel 20 ft from wall SCorner	]	12X12 Floor	5/12/	15	
BL-122	Outside 10th FI West Suppo		12X12 Floor	5/12/	15		
BL-123	Outside 10th Fl West Suppo		12X12 Floor	5/12	/15		
Client Samp	le#'s BUNG - B	C-124		Total # of S	amples: 6		
Relinquish		Date:	5/13/	15 Time:	5:30 pm		
Received (L		ate:	0	5 15 15 Time:	9am		
Comments:				_ <del> </del>			

Page 1 of ____ _ pages





#### LEAD (Pb) CHAIN OF CUSTODY FMSI ORDER ID (Lab Use Only):

EMSL Analytical, Inc.		
5125 Adanson Street,	Suite	90

_	 O KDEK IE	1242 000	Cignity.	_
				1
				<u>.</u>

Orlando, FL 32804 PHONE (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
BL-124	Outside 10th FI West Support Booster Frame East	10X12 Floor	5/12/15
			3
Comments/S	pecial Instructions:		

Page _____ of ____ pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO:

ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax:

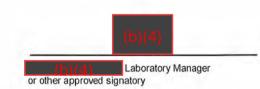
(813) 626-8156 (813) 623-6702

Received: Collected: 05/14/15 8:45 AM 5/11/2015

Project: Stennis B1 B2 Test Stand

#### Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW211 341504705-0001		5/14/2015 e 13th Floor D	144 in² econ	10 μg/ft²	66 µg/ft²
SCGW212 341504705-0002		5/14/2015 ide 13th Floor	144 in² Decon	10 µg/ft²	55 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are Analysis following Lead in Joust by EMSL 50F7 Determination of a Enformment of a Enformment of Landon Interest and September 2 and a sample of the September 2 and a sample of the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the September 2 and the Septemb

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/14/2015 12:35:03



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

				. , ,						. 1 5 5			9-3000
Company: OHO	C Environmental	Engine	ering, i	nc.		EMSL-Bill to: Different / Same  If Bill to is Different note instructions in Comments**							
Street 5420 Ba	y Center Drive S	uite 100	)		1	Third Party Billing requires written authorization from third party							
City: Tampa		State/Pi		: FL		Zip/Posta	I Code: 3	33609		Co	ountry: l	Inited	States
Report To (Nam	e): (b)(4)					Telephon	e#: 813-	-626-815	6				
Email Address:		(b)(4	1		ı	Fax #: 8	13-623-6	3702		Pu	rchase	Order:	
Project Name/N	umber: Stennis	B1 B2 T	est Sta	and	Т	Please Pr	ovide Re	sults:	FAX	<b>√</b>	E-mail		Mail
U.S. State Samp	olog Takon: MS				_	CT Samp			i/Taxab	ie 🗌 R	esident	ia!/Tax	Exempt
U.S. State Samp	Jies Takell,	Tu	rnarol	ınd Time (1									
☐ 3 Hour	6 Hour	<b>24</b>	Hour	☐ 48 Hc	ur	□ 72	2 Hour	☐ <b>96</b> l	Hour	_	Week		2 Week
	*Analysis	completed	in acco	ordance with El	MSL	's Terms ar	nd Conditio	ns located	in the Pri	ce Guide			
	Matrix			Metho			Ins	strumen	t	Repo	rting L	imit	Check
Chips 🗌 % by	wt. 🗌 mg/cm² 📗	] ppm		SW846-70	00B		Flame A	tomic Abs	orption		0 01%		
Air 24 hr.				NIOSH 70				tomic Abso			µg/filte		
<b>24</b> m.				NIOSH 71		<u>'</u>		ite Furnaci			3 µg/filt		<del>                                     </del>
				NIOSH 7300 n	nodi	fied		AES/ICP-I			5 µg/filte		
Wipe* 6hr.	ASTM			SW846-70	00B			tomic Abs	orption		) µg/wip		<b>3</b> 2
	non ASTM checked, non-ASTM			SW846-6010				ICP-AES			) µg/wip		<del>                                     </del>
	Wipe is assumed			SW846-7000				nite Furnac			75 μg/w		<del></del>
TCLP				46-1311/7000 16-1131/SW84				Atomic Abs	orption		ng/L (pr ng/L (pr		
0.1			37704	SW846-70	_			Ntomic Abs	orption		ng/kg (p		
Soil				SW846 7		<u></u>		nite Furnac			ng/kg (p		
			SW846-6010B or C				2 m	g/kg (pr	om)				
			s	M3111B/SW8	46-7	'000B		Atomic Abs			mg/L (p	ĺ	
Wastewater	Unpreserved th HNO ₃ pH < 2			EPA 200			<del></del>	nite Furnac	e AA		mg/L (		<del>  - </del>
			EPA 200.7					) mg/L (		┝╌┾┽╌			
	er Unpreserved		EPA 200 9 EPA 200.8			Grapr				3 mg/L (p 1 mg/L (p			
Preserved will	th $HNO_3$ pH < 2	<u>. L </u>	40 CFR Part 50		0	ICP-AES		12 µg/filter					
TSP/SPM Filt	er		40 CFR Part 50						6 µg/filte				
Other:													
<del></del>	pler: (b)(4)	1				Signa	ature of	Sampler	·;				
Sample #		Locati	ion .		٦		Volu	ıme/Area	a		Date/	Time S	Sampled
S574	14th FI	Above	the D	Decon		2660L				5/11-12/15 9·20am 7:30am			
S575	13th Fl (	Outside	e the I	Decon		2660L				5/11-12	/15 9:22	2am 7:32am	
\$576	12th Fl Below the Decon				2660L				5/11-12	/15 9·24	4am 7:34am		
S577	11th Fl Stairwell				2660L				5/11-12	/15 9:20	6am 7:36an		
S578			FI Stairwell				2	2660L			5/11-12	/15 9·2	8am 7:38an
Client Sample #'s \$574 - Sceo Scauzi - Scauzi Total # of Samples: 9													
Relinquished		چن		Date		5/12			Time:		5:30	pm	
Received (Lat				Date		7	1/2-1	14/1	Time:		06	yr	
Comments:	<u> </u>				_								

Page 1 of 2 pages



## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc.	
5125 Adanson Street, Suite 96	J

(b)(4)

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S579	Blank	0L	5/11/15
S580	ADS)/16th fl grinding handrails in tent with Full face respirator	282L	5/11/15 10:20am 3:00pm
SCGW211	Inside the 13th Floor Decon	12x12	5/11/15
SCGW212	Outside the 13th Floor Decon	12x12	5/11/15
!			
		<del></del>	
Comments/S	pecial Instructions:		

Page 2 of 2 pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO:

ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

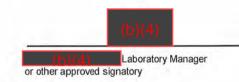
05/15/15 9:00 AM

Collected:

5/11/2015

#### Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
BL-94	5/11/2015	5/16/2015	144 in²	10 μg/ft²	66 µg/ft²
341504748-0001	Site: Outsid	le 19th FI Sof	t Core 5' from Wall NWC		
BL-95	5/11/2015	5/16/2015	144 in²	10 μg/ft²	94 μg/ft²
341504748-0002	Site: Outsid	le 19th FI Sof	t Core 10' from Wall NWC		



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are Analysis following Lead in Dust by EMSL, 50F7 Definition and the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the C

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/16/2015 20:55:16

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

ENGL OIGHT ID (Lab Ose Offi)	"·
(b)(4)	

	<u></u>			M4401 57/11 4	- 15	ifferent (Camo	
Company : OH	Company: OHC Environmental Engineering, Inc.			EMSL-Bill to: Different  Same  If Bill to is Different note instructions in Comments**			
Street: 5420 B	ay Center Drive Suite		Third Party Billing requires written authorization from third party				
City: Tampa	State	/Province: FL		I Code: 33609		Country: United	States
Report To (Na	me): (b)(4)			e#: 813-626-815	56		
Email Address	: (b)	(4)	Fax #: 8	13-623-6702		Purchase Order:	
Project Name/	Number: Stennis B1 B2	2 Test Stand	Please Pr	rovide Results:	FAX	✓ E-mail	Mail
	nples Taken: MS		CT Samp	les: 🔲 Commercia	al/Taxabl	e □ Residential/Tax	Exempt
· ·		Turnaround Time (TA	T) Option	s* - Please Ched	k		
☐ 3 Hour	☐ 6 Hour ☐ :	24 Hour 🔳 48 Hou		2 Hour 🔲 96			2 Week
		ted in accordance with EMS	SL's Terms a			e Guide	Check
	Matrix	Method		Instrumen	1	Reporting Limit	CHECK
Chips □%b	y wt. 🗌 mg/cm² 🔲 ppm	SW846-7000	В	Flame Atomic Abs	orption	0.01%	
Air		NIQSH 7082	2	Flame Atomic Abs	orption	4 µg/filter	
		NIOSH 7105		Graphite Furnac		0.03 µg/filter	
		NIOSH 7300 mo	dified	ICP-AES/ICP-I	MS.	0.5 µg/filter	
Wipe*	ASTM 🎳	SW846-7000	B	Flame Atomic Abs	orption	10 µg/wipe	
•	non ASTM	SW846-6010B	or C	ICP-AES		1.0 µg/wipe 0.075 µg/wipe	
I *II NO DOX IS	checked, non-ASTM Wipe is assumed	SW846-7000B/	SW846-7000B/7010		Graphite Furnace AA		
TCLP			SW846-1311/7000B/SM 3111B		orption	0.4 mg/L (ppm)	
		SW846-1131/SW846-	6010B or C	ICP-AES		0.1 mg/L (ppm)	
Soil	·	SW846-7000		Flame Atomic Abs		40 mg/kg (ppm)	
		SW846-701		Graphite Furnac	e AA	0.3 mg/kg (ppm) 2 mg/kg (ppm)	<u> </u>
		SW846-6010B		ICP-AES Flame Atomic Abs	orntion	0.4 mg/L (ppm)	
Wastewater	Unpreserved	SM3111B/SW846-7000B EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)	
Preserved w	ith HNO₃ pH < 2 □	EPA 200.7				0.020 mg/L (ppm)	
Drinking Wa	ter Unpreserved	EPA 200.9		Graphite Furnace AA		0 003 mg/L (ppm)	
	ith HNO₃ pH < 2 □	EPA 200.8	EPA 200.8		ICP-MS		
	· · · · · · · · · · · · · · · · · · ·	40 CFR Part		ICP-AES		12 µg/filter	<b>├</b>
TSP/SPM Fil	ter	40 CFR Part	40 CFR Part 50		æ AA	3 6 µg/filter	<del>                                     </del>
Other:				<u> </u>			
Name of Sar	mpler: (b)(4)		Sign	ature of Sampler			
Sample #	Loc	ation		Volume/Area	a /	Date/ i ime	
BL-94	Outside 19th FI Soft (	Core 5ft from wall NWC	;	8X18 Bean	n	5/11/	15
BL-95	Outside 19th FI Soft C	ore 10 ft from wall NWC	;	8X18 Bean	n	5/11/	15
<u> </u>							
			-		<del></del> :		
			<u> </u>				
			j				
Client Samp	ole#'s BC-94 ->	BC-95		Tota	l # of Sa	mples: 2	
Relinquishe		Date:	5/11	/15	Time:	5:30 pm	
	to roneits.			1515	Time:	9am	
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Comments:							
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Page 1 of pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received: Collected: 05/15/15 9:00 AM

5/12/2015

#### Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed Area Sampled	RDL	Lead Concentration
BL-134 341504782-0001	5/12/2015 5/16/2015 144 in ² Site: Outside 8th FI 2' from Wall NE Corner	10 μg/ft²	120 µg/ft²
BL-135 341504782-0002	5/12/2015 5/16/2015 144 in ² Site: Outside 8th FI at Door Entrance N Center	10 μg/ft²	1100 µg/ft²
BL-136 341504782-0003	5/12/2015 5/16/2015 144 in² Site: Outside 8th FI 15' from NW Wall	10 µg/ft²	490 μg/ft²
BL-137 341504782-0004	5/12/2015 5/16/2015 144 in² Site: Outside 8th FI Engine Deck 2' from NW Wall	10 µg/ft²	1100 µg/ft²
BL-138 341504782-0005	5/12/2015 5/16/2015 144 in ² Site: Outside 8th FI ED 25' from NW Wall	10 µg/ft²	28 μg/ft²
BL-139 341504782-0006	5/12/2015 5/16/2015 144 in² Site: Outside 8th FI ED 10' from W Center Wall	10 μg/ft²	150 μg/ft²
BL-140 341504782-0007	5/12/2015 5/16/2015 144 in ² Site: Outside 8th FI ED 5' from SW Corner Wall	10 µg/ft²	480 μg/ft²
BL-141 341504782-0008	5/12/2015 5/16/2015 144 in ² Site: Outside 8th FI ED 15' from SW Corner Wall	10 µg/ft²	290 μg/ft²
BL-142 341504782-0009	5/12/2015 5/16/2015 144 in ² Site: Outside 8th Fl 12' from SW Corner Wall	10 µg/ft²	30 μg/ft²
BL-143 341504782-0010	5/12/2015 5/16/2015 144 in ² Site: Outside 8th FI 10' from S Center Wall	10 µg/ft²	97 μg/ft²
BL-144 341504782-0011	5/12/2015 5/16/2015 144 in ² Site: Outside 8th FI 7' from SE Corner Wall	10 µg/ft²	370 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/tt2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/t² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwis

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/16/2015 20:54:00



### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

	EMOL OIGH ID (ran ose o	nny)
L	(~)( .)	

									-n+1 (100	
Company: OH	C Environmental I	Engine	ering, Inc.			EMSL-Bill If Bill to is Differe	ent note mistr		Comments**	1
Street: 5420 Bay Center Drive Suite 100					ird Party Billing requi	ires written				
City: Tampa	!	State/P	rovince: F	·L		l Code: 33609		Co	ountry: United	States
Report To (Nan	ne): (b)(4)				Telephon	e#: 813-626-81	56			
Email Address					Fax #: 8	13-623-6702		Pi	rchase Order:	
Project Name/N	Number: Stennis E	31 B2 T	est Stand		Please Pr	ovide Results:	FAX	✓	E-mail	Mail
	ples Taken: MS	,	_		CT Samp	les: 🗌 Commerc	ial/Taxab	le 🗌 F	lesidential/Tax	Exempt
-		Tu	rnaround Ti	me (TA	Γ) Option	s* - Please Che	ck			
3 Hour	☐ 6 Hour			48 Hour			Hour	_		2 Week
		ompleted			L's Terms ai	nd Conditions locate		e Guide	rting Limit	Check
	Matrix			ethod		Instrume	-	<u>:</u> _		Cileck
Chips 🗌 % by	wt. mg/cm² =	ppm	SW8	46-7000B		Flame Atomic Abs	sorption		0.01%	
Air			NIC	SH 7082		Flame Atomic Abs	sorption		μg/filter	
				SH 7105		Graphite Furna			3 µg/filter	<del>-  -  -  -  -  -  -  -  -  -  -  -  -  -</del>
				7300 mod		ICP-AES/ICP-	<del></del>		ρ μg/filter	
Wipe*	ASTM	$\square$		46-7000E		Flame Atomic Abs	sorption		μg/wipe	×
*if no box is	non ASTM checked, non-ASTM	Ш		6-6010B o		ICP-AES			) µg/wipe	_ ; -
	Wipe is assumed			-7000B/70		Graphite Furna			'5 µg/wipe	
TCLP			SW846-1311			Flame Atomic Abs	sorption		ng/L (ppm)	
0-11			SW846-1131/	SVV846-6		Flame Atomic Ab	eomtion		ng/L (ppm) ig/kg (ppm)	
Soil				846-7010		Graphite Furna			ng/kg (ppm)	
ı				6-6010B o		ICP-AES			g/kg (ppm)	
Mantauratau	l language and		SM3111B	/SW846-7	7000B	Flame Atomic Ab			ng/L (ppm)	
Wastewater Preserved with	Unpreserved th HNO₃ pH < 2			PA 200 9		Graphite Furna	ce AA		mg/L (ppm)	
				PA 200 7		ICP-AES			mg/L (ppm)	
	ter Unpreserved th HNO ₃ pH < 2			PA 200 9 PA 200.8		Graphite Furna ICP-MS	CE AA		3 mg/L (ppm) I mg/L (ppm)	
				FR Part 5	0	ICP-AES			µg/filter	
TSP/SPM Filt	er			FR Part 5		Graphite Furna	ce AA		6 µg/filter	
Other:										
Name of San	npler: (b)(4)	Ī			Signa	ture of Sample	r:		)	
Sample #		Locati	on			Volume/Are	a /		Date/Time \$	Sampled
BL-134	Outside 8th Fl 2	2 ft fro	m wall NE 0	Corner		12X12 Floo	or		5/12/	15
BL-135	Outside 8th Fl a	t door	entrance N (	Center		12X12 Floo	or		5/12/	15
BL-136	Outside 8th F	FI 15 f	t from NW	Wall		12X12 Flo	or		5/12/	15
BL-137	Outside 8th FI (En	gine De	ck) 2 ft from N	IW Wall		9X16 Floo	r		5/12/	15
BL-138	Outside 8th Fl	(ED)2	5 ft from NV	V Wall		12X12 Flo			5/12/	15
Client Samp	e#'s BL-134	- 1	36-144			Tota	al # of Sa	mples	11	
Relinquished	d (Client);			Date:	5/13/	15	Time:	~	5:30 pm	
Received				Date:	4	5/15/15	Time:	Tan	~	
Commen				24.41		<del>-                                      </del>	1			

Page 1 of ____ pages





## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc.		
5125 Adanson Street,	Suite	90

Orlando, FL 32804

PHONE. (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
BL-139	Outside 8th FI (ED)10ft from W Center Wall	12X12 Floor	5/12/15
BL-140	Outside 8th Fl (ED)5ft from SW Corner Wall	4X36 Floor	5/12/15
BL-141	Outside 8th FI (ED) 15ft from SW Corner Wall	12X12 Floor	5/12/15
BL-142	Outside 8th Fl 12ft from SW Corner Wall	12X12 Floor	5/12/15
BL-143	Outside 8th Fl 10ft from S Center Wall	3X48 Floor	5/12/15
BL-144	Outside 8th FI 7ft from SE Corner Wall	12X12 Floor	5/12/15
Comments/S	pecial Instructions:		

Page	of	pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

orlandolab@emsl.com http://www.EMSL.com

EMSL Order:

CustomerID:

CustomerPO: ProjectID:

Attn:

Project:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

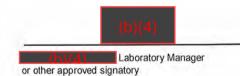
05/14/15 8:45 AM

Collected:

5/12/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed	Area Sampled	RDL	Lead Concentration
SCGW213	5/12/2015 5/14/2015	144 in²	10 μg/ft²	22 μg/ft²
341504707-0001	Site: Inside 13th Floor	Decon		
SCGW214	5/12/2015 5/14/2015	144 in²	10 μg/ft²	24 μg/ft²
341504707-0002	Site: Outside 13th Floo	r Decon		



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft/2 x area sampled in ft/2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft* which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/14/2015 12:36:27

EMBL ANALYTICAL, INC.

#### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc.		
5125 Adanson Street,	Suite	90

EMSL Order ID (Lab Use Only):

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

									1750 (40		9-9000
Company : OHC Environmental Engineering, Inc.				EMSL-Bill to: Different  Same If Bill to is Different note instructions in Comments**							
Street: 5420 Bay Center Drive Suite 100				Third Party Billing requires written authorization from third party							
City: Tampa	State/Province: FL				l Code: 33609			untry: U			
Report To (Nar	ne): (b)(4)				Telephon	e#: 813-626-81	<u>56</u>				
Email Address	:	(b)(4	1)		Fax #: 8	313-623-6702		Pι	ırchase C	order:	
Project Name/	Number: Stennis	B1 B2 7	Test Stand		Please Pr	rovide Results:	FAX	· /	E-mail		Mai1
	ples Taken: MS					les: Commerc	al/Taxab	le 🗆 R	desidentia	I/Tax	Exempt
<u> </u>	pico ranom m	Τυ	rnaround	Time (TA		s* - Please Che					
☐ 3 Hour	■ 6 Hour	■ 24		48 Hour	···- <del></del>	2 Hour		<u> </u>	Week		2 Week
	*Analysis	complete	d in accordance			nd Conditions located	In the Pri	ce Guide			
	Matrix			Method		Instrumer			rting Li	nit	Check
Chips 🛘 % by	/ wt. 🗌 mg/cm² 📗	] ppm	SI	√846-7000E	3	Flame Atomic Abs	orption		0.01%		
Air 24 hr.			·	IIOSH 7082		Flame Atomic Abs			µg/filter		
				IIOSH 7105		Graphite Furnac			3 µg/filte		_
				H 7300 mod		ICP-AES/ICP-			β µg/filter		
Wipe* 6 hr.	ASTM	×	SI	N846-7000E	3	Flame Atomic Abs	onption		µg/wipe	-	
*if no box is	non ASTM checked, non-ASTM	Ц		346-6010B o		ICP-AES			μg/wipe		_#_
	Wipe is assumed			46-7000B/7		Graphite Furnace AA			5 µg/wip	_	_#_
TCLP				11/7000B/S 31/SW846-6		Flame Atomic Abs	orption		ng/L (ppr ng/L (ppr		-
Soil				N846-7000E		Flame Atomic Abs	sorotion		g/kg (pp		
-				W846-7010		Graphite Furnac			ng/kg (pp		
				346-6010B o		ICP-AES			g/kg (ppn		
187 4 4			SM311	1B/SW846-7	7000B	Flame Atomic Abs	orption		ng/L (ppr		
Wastewater	Unpreserved th HNO₃ pH < 2	H		EPA 200.9		Graphite Furnac	ce AA		mg/L (p		
			-	EPA 200 7		ICP-AES			mg/L (p		
	er Unpreserved			EPA 200 9		Graphite Furnac	e AA		mg/L (pp		
Preserved wi	th HNO ₃ pH $< 2$			EPA 200 8		ICP-MS ICP-AES			mg/L (pp	m) I	+
TSP/SPM Filt	ter			CFR Part 5		Graphite Furnac	- ΔΔ ασ		<u>µg/filter</u> 5 µg/filter		<del>-  -  </del> -
Other:	· · · · · · · · · · · · · · · · · · ·		40	OTTAILS		Graprine i dina	26 / 41	- 50	y agritter		
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S582						1140L		<del></del>			m 5:02pm
S583	·					1140L					m 5:04pm
		<del>-</del>			1140L					m 5:06pm	
S584 11th FI Stairwe		<del></del>		<b></b>	1140L					m 5:08pm	
S585 Client Sampl		11 F1 St - 55		500	W ²¹ 3 5		I# of Sa			.508	11 3.00pm
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Comments:	·/·			Date.					L		
!											

Page 1 of 2 pages



## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE (407) 599-5887 FAX: (407) 599-9063



Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample#	Location	Volume/Area	Date/Time Sampled
S586	(ADS)/16th fl spot grinding handrails 1/2 face respirator	750L	5/12/15 8:30am 2:45pm
S587	Blank	OL	5/12/15
SCGW213	Inside the 13th Floor Decon	12x12	5/12/15
SCGW214	Outside the 13th Floor Decon	12x12	5/12/15
Comments/S	pecial Instructions:		

Page 2 of 2 pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com

EMSL Order: CustomerID: (b)(4) OCCU56

ID: OCC

CustomerPO: ProjectID:

Attn: (b)(4)

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: (813) 626-8156 Fax: (813) 623-6702

Received: 05/15/15 9:00 AM

Collected: 5/13/2015

Project: Stennis B1 B2 Test Stand

#### Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed	Area Sampled	RDL	Lead Concentration
SCGW215	5/13/2015 5/15/2015	144 in²	10 μg/ft²	180 μg/ft²
341504743-0001	Site: Inside the 13th Floor	Decon		
SCGW216	5/13/2015 5/15/2015	144 in²	10 μg/ft²	54 μg/ft²
341504743-0002	Site: Outside the 13th Floo	r Decon		



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in ug/ft* which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (test than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/15/2015 12:13:33



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



#### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

Orlando, FL 32804 PHONE. (407) 599-5887 FAX. (407) 599-9063

				(10)	(-)				F/	^{4X.} (407) 5	99-9063
Company : Ol	HC Environmenta	l Engine	ering, Inc.				<b>ISL-Bill to</b> to is Different			Same	•
Street: 5420 Bay Center Drive Suite 100					Third Party Billing requires written authorization from third party						
City: Tampa		State/P	rovince:	FL		al Code:		<del>5 11/10/1</del>		try: United	_
Report To (Na	me): (b)(4)				Telephor	ne #: 813	-626-8156	3			- • •
Email Addres	s:	(b)(4	)		Fax#:	813-623-6	6702		Purch	nase Order	···
Project Name	Number: Stennis	B1 B2 7	Fest Stand			rovide Re		FAX		mail	Mai1
	nples Taken: MS				· · · · · · · · · · · · · · · · · · ·			/Taxab	le 🗌 Resi	idential/Ta	x Exempt
		Τι	rnaround	Time (TA	T) Option	s* - Plea	se Check	(			
☐ 3 Hour	🔳 6 Hour	■ 24	Hour	☐ 48 Hour	7.	2 Hour	☐ 96 H	our	☐ 1 We	ek 🗀	] 2 Week
		complete	d in accordar		SL's Terms a			the Pric			
Object State	Matrix	_		Method		Ins	strument			ng Limit	Check
	y wt. 🗌 mg/cm² [	☐ ppm		SW846-7000I	3	Flame A	tomic Absorp	ption	0.0	1%	
Air 24 hr.				NIOSH 7082			tomic Absorp			/filter	<b>£</b>
		!		NIOSH 7105		<del></del>	ite Furnace A			g/filter	<del>┡</del>
14/1m - + / /			·	SH 7300 mod SW846-7000	*		AES/ICP-MS		0.5 µg		
Wipe* (ohr	ASTM non ASTM	<b>₽</b>		/846-6010B c			CP-AES	DUOIS	10 µg 1.0 µg		
if no box is	s checked, non-ASTM Wipe is assumed	_		846-7000B/7			ite Furnace A	AA	0.075 µ		
TCLP			SW846-1311/7000B/SM 3		M 3111B	Flame Atomic Absorption			0.4 mg/l		
			SW846-11	31/SW846-6	010B or C	ı	CP-AES		0.1 mg/l		
Soil				W846-70008			tomic Absorp		40 mg/k	g (ppm)	
ł				SW846-7010 846-6010B		————	ite Furnace A	<u>₩</u>	0.3 mg/k		<b>   </b>
				11B/SW846-			tomic Absorp	otion	2 mg/kg 0.4 mg/l		┝╼╪╼┤
Wastewater	Unpreserved ith HNO ₃ pH < 2			EPA 200.9	. •		te Furnace A		0.003 mg		
	<u> </u>			EPA 200.7		l	CP-AES		0.020 mg	/L (ppm)	
	ter Unpreserved			EPA 200 9			te Furnace A	4A	0.003 mg		
	ith HNO ₃ pH < 2			EPA 200 8 0 CFR Part 5	:n		ICP-MS CP-AES		0 001 mg		
TSP/SPM Fil	ter			0 CFR Part 5			te Furnace A	4A	12 µg 3 6 µg		┡┼
Other:											
Name of San	npler: (b)(4)				Signa	ture of S	ampler:				
Sample #		Location	on				ne/Area /		D	ate/Time S	Sampled
S588	14th Fl	Above	the Deco	o <b>n</b>		1080L		5/1	5/13/15 7:55am 4:55pm		
S589	13th FI Outside the Decon		on		10	080L		5/1	3/15 7:57a	m 4.57pm	
S590	12th Fl Below the Decon		on		10	080L		5/1	3/15 7:59 <i>a</i>	m 4:59pm	
S591 11th FI Stairwel		airwell			10	080L		5/1	3/15 8:01a	m 5:01pm	
S592	10tl	h FI Sta	airwell			10	080L		5/1	3/15 8:03a	m 5:03pm
Client Sampl	e#'s \$566	- \$5	93		- ,		Total #	of Sa	mples:	8	
Reiinquished	d (Client):			Date:	5/13/ ⁻	15	Т	ime:	5:3	30 pm	
Received (L				Date:	5	115/15	,		Parr		
Comments:						<del>' ( '</del>					
•											

Page 1 of 2 pages



## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S593	Blank	0L	5/13/15
.,,			
		10-10	E14214E
SCGW215		12x12	5/13/15
SCGW216	Outside the 13th Floor Decon	12x12	5/13/15
Comments/S	 pecial Instructions:		

Page 2 of 2 pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

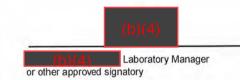
05/18/15 9:16 AM

Collected:

5/14/2015

#### Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed Area Sampled	RDL	Lead Concentration	
SCGW217 341504818-0001	5/14/2015 5/18/2015 144 in² Site: Inside 13th Floor Decon	10 μg/ft²	88 µg/ft²	
SCGW218 341504818-0002	5/14/2015 5/18/2015 144 in² Site: Outside 13th Floor Decon	10 μg/ft²	130 µg/ft²	



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements astablished by the AIHA-LAP unless specifically indicated otherwise. requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/18/2015 12:30:52

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

					-1	(107) 00			
Company : OH	C Environmental Engine	ering, Inc.	EMSL-Bill to: Different  Same  If Bill to is Different note instructions in Comments**						
Street: 5420 Ba	ay Center Drive Suite 10		Third Party Billing requires written authorization from third party						
City: Tampa		rovince: FL	Zip/Postal Code: 33609 Country: United States						
Report To (Nam	ne): (b)(4)		Telephone #: 813-626-8156						
Email Address:	(b)(4	<b>(</b> )		313-623-6702	<del></del>	rchase Order:	Mail		
Project Name/N	Number: Stennis B1 B2 T	est Stand		rovide Results: FA					
U.S. State Sam	ples Taken: MS	;		les: 🔲 Commercial/Taxa	ble 🗌 F	Residential/Tax	Exempt		
	Tu	rnaround Time (TA			I		A 104 l.		
☐ 3 Hour	■ 6 Hour ■ 24	Hour 48 Hour		2 Hour 96 Hour	_		2 Week		
			L's terms ai	nd Conditions located in the P	Renc	rting Limit	Check		
	Matrix	Method					F-1		
	wt. ☐ mg/cm² ☐ ppm	SW846-7000E	3	Flame Atomic Absorption	ł	0.01%			
Air 24 hr.		NIOSH 7082		Flame Atomic Absorption	4	μg/filter			
211		NIOSH 7105		Graphite Furnace AA		3 μg/filter 5 μg/filter			
<u> </u>		NIOSH 7300 mod		ICP-AES/ICP-MS			***		
Wipe* 6h	ASTM 🚱 non ASTM	SW846-7000E SW846-6010B o		Flame Atomic Absorption ICP-AES		) µg/wipe ) µg/wipe			
*if no box is	checked, non-ASTM Wipe is assumed	SW846-7000B/7		Graphite Furnace AA		75 μg/wipe			
TCLP	serbe is assumed	SW846-1311/7000B/S		Flame Atomic Absorption		mg/L (ppm)			
ICLP		SW846-1131/SW846-6		ICP-AES		mg/L (ppm)			
Soil	<u> </u>	SW846-7000	В	Flame Atomic Absorption		ng/kg (ppm)			
1		SW846-7010	)	Graphite Furnace AA	0.3 mg/kg (ppm)				
	·	SW846-6010B		ICP-AES		g/kg (ppm)			
Wastewater	Unpreserved	SM3111B/SW846-	7000B	OOOB Flame Atomic Absorption Graphite Furnace AA		mg/L (ppm)			
	Unpreserved ☐ th HNO₃ pH < 2 ☐	EPA 200.9 EPA 200.7		ICP-AES	0.003 mg/L (ppm) 0.020 mg/L (ppm)				
	er Unpreserved	EPA 200.7		Graphite Furnace AA	0 003 mg/L (ppm)				
	th HNO ₃ pH < 2	EPA 200.8		ICP-MS	0.001 mg/L (ppm)				
TSP/SPM Filt		40 CFR Part		ICP-AES	12 µg/filter				
	,e: 	40 CFR Part	50	Graphite Furnace AA	3.6 µg/filter		┝╼╞╡╼┥		
Other:				<u> </u>					
Name of San			Signa	ature of Sampler	(	0)(4)	Sampled		
Sample #	Locati			Volume/Area /		Date/Time			
S594	14th Fl Above	the Decon		790L		5/14/15 8:40a			
S595	13th Fl Outside	e the Decon		790L		5/14/15 8:42	m 3:17pm		
S596	12th FI Below	the Decon		790L		5/14/15 8:448	m 3:19pm		
S597	11th FI S	tairwell		790L	l	5/14/15 8:468	am 3:21pm		
S598	10th FI S	tairwell		790L		5/14/15 8:488	am 3:23pm		
Client Samp	le#'s \$594 -> \$6	00 SCGW21	7 - 5664	UZIB Total # of	Sample	<b>s</b> : 9			
Relinquished	(1. \ / 4 \	Date:	5/14/	/15 ) Time	:	5:30 pm			
		Date:	20	5/18/15 Time:	4:11	pam			
Received Comment		Date.		-1 / /					
				_					



## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Anal	lytical, Inc.		
5125 Adan	son Street,	Suite	90

(b)(4)

Orlando, FL 32804 PHONE (407) 599-5887 FAX (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

(b)(4) ADS)/ 16th fl spot abatement of hand rails in 1/2 face	0001	
	628L	5/14/15 8:56am 2:10pm
Blank	0L	5/14/15
Inside the 13th Floor Decon	12x12	5/14/15
Outside the 13th Floor Decon	12x12	5/14/15
	3 - 14 - 14 ma	
ecial Instructions:		
Out He doubles		
		Outside the 13th Floor Decon 12x12

Page 2 of 2 pages

	National Aeronautics and Space Administration					DATE		May 28, 2015
NA SA	John C. Stennis Space Center	RACTOR TRAN	SMITTA	L SHEE	.T '		SHEET	
	Stennis Space Center, MS 39529-6000				ı	1		1
	SECTION I - REQUEST FO	OR APPROVAL (To	be Initiate	ed by the	<b>Contractor</b>	)		
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,	, MATERIAL SAMPLES, (	OR .	CON	TRACT NO.	Х	NEW SUBM	IITTAL
	MANUFACTURER'S CERTIFICATES OF COM	MPLIANCE		NNS	14AA30T		-	
	(See Instructions on Reverse)		·	1			RESUBMITT	
ТО	FROM		PREVIOUS TP		AL NO. (If Any)	TF	RANSMITTA	L NO.
(b)(	HARRY PEPPER & ASS			n/a			385	
200H0-GA	10N AND SECTION NO. (Cover Only One Section With Each T 04 02 82 33.13 20 Air Samples Collected 5-2		TITLE AND LOCA		B00-03 SOFT CO	RE PAINTIN	1G	
	DESCRIPTION OF ITEM SUBMITTED		· · · · · · · · · · · · · · · · · · ·		CONTRACT REF	_	VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURER		NO OF	DOCUM	,	(See	CODE
NO.	(See Instruction No. 3)	(See Instruction	No. 8)	COPIES	SPECIFICATION		Instruction	
(a)	(b)	(c)	!	(d)	PARAGRAPH NO. (e)	SHEET NO.	No. 6) (g)	No. 9 (h)
1	Air Samples Collected 5-21-15	ОНС		3	3.4.1.1.c	-	-	V.J
2	Air Samples Collected 5-22-15	ОНС		3	3.4.1.1.c	-	-	_
3	Air Samples Collected 5-23-15	ОНС		3	3.4.1.1.c	-	-	_
-			-	-	_	_		-
_	-		-	-	-	_	_	-
-			_		-		-	_
_	-			-	-	-	-	-
- -			-		-			
REMARKS:	3 Hard Copies included.		ļ		t the above submitte re correct and in str			
					specifications, exce			l l
				1				
				<u> </u>	NAME AND SIG	GNATURE OF	F CONTRACTC	)R
		CTION II - APPROV	AL ACTION	1				
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, TITLE, AND SIG	NATURE OF A	PPROVING	AUTHORITY	DATE		
	,					1		



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order:

OCCU56

CustomerID:

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702 05/27/15 9:40 AM

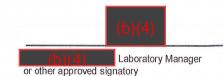
Collected:

5/21/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S624	5/21/2015	5/27/2015	760 L	5.3 μg/m³	<5.3 μg/m³
341505095-0001	Site: 16	ADS Sp	ot Abatement Inside Corvette		
S625	5/21/2015	5/27/2015	760 L	5.3 μg/m³	<5.3 μg/m³
341505095-0002	Site: Outs	ide the Corvette	Work Area		10
S626	5/21/2015	5/27/2015	0 L	4.0 μg/filter	<4.0 µg/filter
341505095-0003	Site: Blanl	<		10	



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter, ug/filter, ug/filter = ug/m3 x volume sampled (m3), OSHA PEL - 50 µg/m³, OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. ""(" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/27/2015 15:15:27

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



#### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

ERREL ANALYT		<u></u>							r	THUNE: (407) 5:		
<del></del>		***************************************							-1.66	FAX: (407) 5	99-900	<u> </u>
Company : Of	IC Environmenta	l Engine	ering, Inc.		EMSL-Bill to: Different  Same If Bill to is Different note instructions in Comments**							
Street: 5420 B	ay Center Drive	Suite 10	0		Third Party Billing requires written authorization from third party							
City: Tampa			rovince:	FL	Zip/Postal Code: 33609 Country: United States							
Report To (Name): (b)(4)					Telephor	ıe #:	813-626-	8156				
Email Address	Email Address: (b)(4)					313-6	23-6702		F	urchase Order:		
Project Name/	Number: Stennis	B1 B2	Test Stand		Please P	rovide	Results:	FAX	· [7	/E-mail	Mail	
U.S. State Sam	ples Taken: MS				CT Samp	les: 「	Comme	ercial/Taxab	ole 🗌	Residential/Tax	Exem	pt
		Tu	rnaround 1	Time (TA						The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		
3 Hour	☐ 6 Hour	<b>3</b> 24		48 Hour		2 Hou		96 Hour		l Week	2 Wee	k
	*Analysis	complete	d in accordanc	e with EMS				ted in the Pr	ce Guio	le		
	Matrix			Method	- W		Instrum			orting Limit	Che	ck
Chips 🗆 % b	ywt. ☐ mg/cm²	] ppm	SV	V846-7000E	3	Flar	ne Atomic /	Absorption		0.01%		
Air 24 hr.			N	IOSH 7082		Flar	ne Atomic	Absorption	4	4 μg/filter	х	]
27,			N	IOSH 7105		G	raphite Fur	nace AA	0,0	03 µg/filter		
			Niosi	1 7300 mod	lified		ICP-AES/IC	CP-MS	0.	5 µg/filter		
Wipe*	ASTM			V846-7000E		Flar	ne Atomic /			0 μg/wipe		
*if no box la	non ASTM checked, non-ASTM		SW8	46-6010B o	or C		ICP-AE	ES	1.0 μg/wipe			
	Wipe is assumed			46-7000B/7			0.075 µg/wipe					
TCLP			SW846-13			Flai	ne Atomic		0.4 mg/L (ppm)			
			SW846-113			Flame Atomic Absorption		0.1 mg/L (ppm)			<b></b>	
Soil				SW846-7000B SW846-7010					40 mg/kg (ppm) 0.3 mg/kg (ppm)			-
	•		SW846-7010 SW846-6010B or C			Graphite Furnace AA ICP-AES		2 mg/kg (ppm)			Ì	
				B/SW846-		Flar	ne Atomic			mg/L (ppm)		_
Wastewater	Unpreserved			EPA 200.9	. 0000		raphite Fur			3 mg/L (ppm)		
Preserved wi	th HNO₃pH < 2			PA 200.7		ICP-AES		0.020 mg/L (ppm)				
	er Unpreserved		Į.	PA 200.9		G	raphite Fur			3 mg/L (ppm)		
Preserved wi	th HNO₃pH < 2		<del></del>	PA 200 8	·^		ICP-M			1 mg/L (ppm)		
TSP/SPM Filt	er			CFR Part 5 CFR Part 5	11-12-1	ICP-AES Graphite Furnace AA				2 µg/filter .6 µg/filter		
Other:	<u>.,, × </u>	40,000			<u></u>							
Name of San	pler: (b)(4)				Signa	ture	of Samp	ler:				
Sample #	- Indiana in the Indiana	Locati	on				olume/A			Date/Time S	Sample	ed
S624	(b)(4) (ADS)		itement inside	Corvette			760L	7		5/21/15 10:15	am 2:40	0pm
S625	Outside the	e Corve	ette Work	Агеа			760L	·		5/21/15 10:15	am 2:40	0pm
S626	Blank					0L	· · · · · · · · · · · · · · · · · · ·		5/21/	15		
	<del></del> -											
Client Samp	e#'s  5624	5	626				To	otal # of Sa	mple	s: 3		*********
Relinquished		(h)(4)	<u></u>	Date:	5/21/	15		Time:		5:30 pm		
			,		5		15		9.11			
Received (L Comments:				Date:				Time:	1 - 7	Dar		
1 _												

Page 1 of ____ pages



5125 Adanson Street, Suite 900, Orlando, FL 32804 (407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

05/27/15 9:40 AM

Collected:

5/22/2015

Project: Stennis B1 B2 Test Stand

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S627 341505097-0001	5/22/2015 Site:	5/27/2015 b)(4)	680 L ADS Spot Abatement Inside/Outside	5.9 µg/m³	<5.9 μg/m³
S628 341505097-0002	5/22/2015 Site: Outsi		680 L tte Work Area	5.9 μg/m³	<5.9 µg/m³
S629 341505097-0003	5/22/2015 Site: Blank		0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/27/2015 15:17:21



EMBL ANALYTICAL, INC.

#### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887

LABORATORY - PROBLEC	TRATIFICATION OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF	\		(~)( -)							599-9063	)
Company :OH	C Environmental	Engine	ering, l	nc.		EN If Bill	<b>ISL-Bill</b> to is Differ	to: 1 ent note inst	Differ ructions :	rent 🗸 Sa n Comments**	me	1
Street: 5420 Ba	ay Center Drive S	Suite 10	0		Third Party Billing requires written authorization from third party							
City: Tampa		State/P	rovince	: FL	Zip/Postal Code: 33609 Country: United States							
Report To (Nan	ne): (b)(4)				Telephone #: 813-626-8156							ľ
Email Address		/I= \ / /	4 \		Fax#: 8				P	urchase Ord	ler:	
Data Allers	Number: Stennis	R1 R2 7	Fest Sta	and '	Please Pi			FAX		E-mail	Mail	
		D ( DZ		arid						Residential/	ray Evamn	
U.S. State Sam	ples Taken: MS	Tx	raarai	ınd Time (TA	The second control of the second	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	The second name of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of		16 1	Nesidelillan	ax Exemp	H
3 Hour	☐ 6 Hour	24		48 Hour		2 Hour		Hour		Week	2 Week	
				ordance with EMS	4				_		<u> </u>	$\neg$
	Matrix			Method			strume		Rep	orting Limi	t Chec	k
Chips 🗌 % by	wt. mg/cm² [	] ppm		SW846-7000E	3	Flame A	tomic Ab	sorption		0.01%		
Air 24 hr.	***************************************			NIOSH 7082		Flame A	tomic Ab	sorption		1 μg/filter	×	
24 111.				NIOSH 7105			ite Fuma			03 µg/filter		[
				NIOSH 7300 mod	lified	ICP-	AES/ICP	-MS		5 µg/filter		4
Wipe*	ASTM			SW846-7000E	3	Flame A	tomic Ab	sorption		0 μg/wipe		_
*Ifno hov is	non ASTM checked, non-ASTM			SW846-6010B c	or C		ICP-AES			0 μg/wipe	$\perp$	_
1(110 00% 13	Wipe is assumed			SW846-7000B/7	010	Graphite Furnace AA		0.0	75 µg/wipe		_	
TCLP	SW846-1311/7000B/S								mg/L (ppm)	1 -	_	
	A		SW84	6-1131/SW846-6				0.1 mg/L (ppm)		$\dashv$		
Soil			SW846-7000B			Flame Atomic Absorption Graphite Furnace AA		40 mg/kg (ppm) 0.3 mg/kg (ppm)			$\dashv$	
			SW846-7010 SW846-6010B or C			ICP-AES		2 mg/kg (ppm)				
			S	M3111B/SW846-		Flame Atomic Absorption		0.4 mg/L (ppm)				
Wastewater	Unpreserved			EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)		) 🔲		
Preserved Wi	th HNO₃ pH < 2			EPA 200.7	***************************************	ICP-AES		0.020 mg/L (ppm)			_	
	er Unpreserved			EPA 200.9		Graph	ite Furna	ce AA		3 mg/L (ppm		
Preserved wi	th HNO₃pH < 2			EPA 200 8			ICP-MS			1 mg/L (ppm)		$\dashv$
TSP/SPM File	ter		-	40 CFR Part 5		ICP-AES Graphile Furnace AA		12 µg/filter 3.6 µg/filter		-		
Other:	· · · · · · · · · · · · · · · · · · ·			10 01111 011					· · · · ·			
Name of San	mler (h)(4)				Signa	ture of S	Sample	r:	(	b)(4)		
Sample #	(Dici., (D)(T)	Locati	on		0.9		me/Are			Date/Tim	e Sample	d
S627	(b)(4) ADS			ide/outside Corvette		-6	580L			5/22/15 9:	55am 3:35	pm
S628	Outside the	e Corve	ette W	ork Area		6	380L			5/22/15 9:	55am 3:35	pm
S629		Blan	nk				0L			5/2	22/15	
									· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
Client Samp	le #'s   5627	- S	629	Marin to Tall Indiana and American	<u> </u>		Tota	al # of S	ample	<b>S:</b> 3		
Relinquished		(b)(4)	1	Date:	5/22/	15 ,		Time:		5:30 pm		
Received (La				Date:	5	27/15	<del></del>	Time:	9:4	Dan		
Comments:				1	· ·							
]				<u> </u>								

Page 1 of ____ pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702 05/27/15 9:40 AM

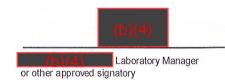
Collected:

5/23/2015

Project: Stennis B1 B2 Test Stand

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S630 341505098-0001	5/23/2015 Site:	5/27/2015 b)(4)	1080 L ADS Spot Abatement Outside SE Pier	3.7 µg/m³	<3.7 µg/m³
S631 341505098-0002	5/23/2015 Site: Inside	5/27/2015 Lift During	1080 L SE Pier Walkway Abatement	3.7 μg/m³	<3.7 μg/m³
S632 341505098-0003	5/23/2015 Site:	5/27/2015 )(4) AD	1080 L S Spot Abatement Outside E Pier Wal	3.7 µg/m³	8.9 µg/m³
S633 341505098-0004	5/23/2015 Site: Blank	5/27/2015	0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 05/27/2015 15:18:27



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX. (407) 599-9063

	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s				1-166	(101700			
Company : OH	C Environmental Engine	ering, Inc.	EMSL-Bill to: Different / Same If Bill to is Different note instructions in Comments**						
Street: 5420 Ba	ay Center Drive Suite 10	0	Third Party Bulling requires written authorization from third party						
City: Tampa	State/P	rovince: FL	Zip/Postal Code: 33609 Country: United States						
Report To (Nar	ne): (b)(4)		Telephone #: 813-626-8156						
Email Address	(b)(4	l)	Fax#: 8	13-623-6702	P	urchase Order:			
Project Name/I	Number: Stennis B1 B2 7	Test Stand	Please Pr	ovide Results: F	AX ✓	E-mail	Mail		
	ples Taken: MS		CT Samp	les: 🗌 Commercial/Tax	able 🗌 F	Residential/Tax	Exempt		
	Tı	ırnaround Time (TA	T) Option	s* - Please Check					
3 Hour	☐ 6 Hour 🔳 24			Hour 96 Hour			2 Week		
			L's Terms ar	nd Conditions located in the I	Pane	orting Limit	Check		
	Matrix	Method		Instrument	Keh		Olfeck		
Chips ☐ % by	/ wt. 🔲 mg/cm² 🔲 ppm	SW846-7000E	3	Flame Atomic Absorption		0.01%			
Air 24 hr.		NIOSH 7082		Flame Atomic Absorption		µg/filter	X		
47 III.		NIOSH 7105		Graphite Furnace AA		3 µg/filter			
		NIOSH 7300 mod		ICP-AES/ICP-MS		5 μg/filter			
Wipe*	ASTM  non ASTM	SW846-7000		Flame Atomic Absorption		) µg/wipe	<del>  </del>		
*if no box is	checked, non-ASTM	SW846-6010B (		ICP-AES Graphite Furnace AA		0 μg/wipe 75 μg/wipe	<del>-  -  -  -  -  -  -  -  -  -  -  -  -  -</del>		
	Wipe is assumed	SW846-7000B/7		Flame Atomic Absorption					
TCLP		SW846-1311/7000B/S SW846-1131/SW846-6				0.4 mg/L (ppm) 0.1 mg/L (ppm)			
Soil		SW846-7000		Flame Atomic Absorption		ng/kg (ppm)			
00.11		SW846-7010	)	Graphite Furnace AA		0.3 mg/kg (ppm)			
		SW846-6010B		ICP-AES		2 mg/kg (ppm)			
Wastewater	Unpreserved	SM3111B/SW846-	7000B	Flame Atomic Absorption		0.4 mg/L (ppm) 0.003 mg/L (ppm)			
	Unpreserved ☐ ith HNO₃ pH < 2 ☐	EPA 200.9 EPA 200 7		Graphite Furnace AA ICP-AES		0.020 mg/L (ppm)			
Drinking Wa	ter Unpreserved	EPA 200 9	******	Graphite Furnace AA		0.003 mg/L (ppm)			
	ith HNO ₃ pH < 2	EPA 200 8		ICP-MS		0.001 mg/L (ppm)			
TSP/SPM Fil		40 CFR Part				12 µg/filter			
	tei	40 CFR Part	50	Graphite Furnace AA	3	.6 µg/filter			
Other:				<u> </u>	/1-1	(//)	<u> </u>		
Name of San			Signa	ature of Sampler:	(D	(4)	Campled		
Sample#	Locat	ion		Volume/Area		Date/Time			
S630	ADS) spot abateme	nt Outside south east pier walkway		1080L '		5/23/15 8.15			
\$631	Inside lift during South East	Pier Walkway Abatement		1080L		5/23/15 8:15	am 6.15pm		
S632	(b)(4) ADS) spot abateme	ent outside east pier wall pads		1080L		5/23/15 8:15	am 6:55pm		
S633	Blar		0L		5/23	/15			
Client Samp	le #'s \$630 - S	:633		Total # of	Sample	S: 4			
Relinquishe	(1.) (4)	/ Date:	5/23/	/15 Tim	e:	5:30 pm	·		
		Date:	5/	<del></del>	011	foan	· · · <del></del>		
Received (La Comments:		Dute.			<u> </u>	<u> </u>			
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Page 1 of ___ _ pages

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NASA	John C. Stennis Space Center	KACIUI	K I KAN	<b>SMITTA</b>	L JHEE	ı		SHEET	
	Stennis Space Center, MS 39529-6000						1	OF	1
	SECTION I - REQUEST FO	OR APPRO	OVAL (To	be Initiate	ed by the	<i>Contractor</i>	)		
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,	MATERIAL	SAMPLES, C	)R	CON	TRACT NO.	X	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COI				NINIC	14AA30T		-	
	(See Instructions on Reverse)				ININO	1444301	0	RESUBMITT	`AL
то	FROM			PREVIOUS T	RANSMITT	AL NO. (If Any)	TI	RANSMITTA	L NO.
(b)(	HARRY PEPPER & ASS	OCIATES,			0			398	
SPECIFICAT	ION AND SECTION NO. (Cover Only One Section With Each 1		PROJECT T	ITLE AND LOC					
200H0-GA	02 82 33.13 20 Air & Wipe Samples Colle	ected	<u></u>		SL430WF	B00-03 SOFT CC			T
	DESCRIPTION OF ITEM SUBMITTED			05.1851.4	110.05	CONTRACT REF		VARIATION	
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURER OF ITEM (See Instruction No. 8)			NO OF	DOCUM		(See	CODE
NO.	(See Instruction No. 3)	(See	instruction	NO. 8)	COPIES	SPECIFICATION PARAGRAPH NO.	DRAWING SHEET NO.	No. 6)	(See Instruction
(a)	(b)		(c)	:	(d)	(e)	(f)	(g)	(h)
1	Wipe Samples Collected 5-28-15	ОНС		:	3	3.4.1.1.c	-	-	
2	Wipe Samples Collected 6-1-15	ОНС			3	3.4.1.1.c	-	-	-
3	Wipe Samples Collected 6-3-15	ОНС		!	3	3.4.1.1.c	-	-	-
4	Air Samples Collected 5-28-15	онс		I	3	3.4.1.1.c	-	-	-
5	Air Samples Collected 6-1-15	ОНС		i I	3	3.4.1.1.c	_	_	_
6	Air Samples Collected 6-2-15	ОНС		I	3	3.4.1.1.c	-	-	-
7	Air Samples Collected 6-3-15			. <del>-</del>	3	3.4.1.1.c	-	-	-
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REMARKS:	3 Hard Copies included.		News Prof			t the above submit are correct and in st			
						specifications, exce		ince with the co	niti dec
									_
					2 4	NAME AND S	IGNATURE C	F CONTRACT	OR

**SECTION II - APPROVAL ACTION** 

NAME, TITLE, AND SIGNATURE OF APPROVING AUTHORITY

DATE

ENCLOSURES RETURNED (List by Item No.)

Attached please find the daily wipe sample test results collected on May 28 2015. All the samples are within acceptable levels .

President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone:

Cell: (b)(4)
Email: (b)(4)

www.OHCNET.com<a href="http://www.ohcnet.com/">
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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Monday, June 01, 2015 12:35 PM

To:

Subject: EMSL report, COC for order(s) (b)(4) ( (b)(4) - Stennis B1 B2

Test Stand)

Report, COC for order(s):

- Stennis B1 B2 Test Stand

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http://www2.emsl.com/custsurvey/?fromregion=eastcoast>

<http://www.emsl.com/>[cid:6f825cf1-ebb5-4559-8019-2c25e00362c2] <
http://www.emsl.com/><http://www.emsl.com/>
Analyst /LaboratoryTechnical Director

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804 Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical , Inc. offers to our clients:

LABConnect <a href="https://extranet.emsl.com/">https://extranet.emsl.com/</a> | Order Products <a href="http://www.emsl.com/ProductCatalogHome.aspx">http://www.emsl.com/ProductCatalogHome.aspx</a> | Client Corner <a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training <

http://www.emsl.com/index.cfm?nav=Pages&ID=477> | Additional Resources < http://www.emsl.com/index.cfm?nav=Pages&ID=421> | Sampling Videos <

http://www.emsl.tv>

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http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Project: Stennis B1 B2 Test Stand

Tampa, FL 33609

Phone:

(813) 626-8156 (813) 623-6702

Received:

Fax:

06/01/15 9:05 AM

Collected:

5/28/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW225 341505288-0007	5/28/2015 Site: Inside	6/1/2015 the 13th Floo	144 in² r Decon	10 μg/ft²	130 μg/ft²
SCGW226 341505288-0008	5/28/2015 Site: Outsi	6/1/2015 de the 13th Fl	144 in² oor Decon	10 μg/ft²	35 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 06/01/2015 12:33:53



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE (407) 599-5887 FAX: (407) 599-9063

						_				1 ~~ (407) 58	19-9003		
Company: OH	C Environmental E	Ingine	ering, In	C.			ISL-BIII to is Differe	to:	Differ ructions in	rent / Same n Comments**			
Street: 5420 B	ay Center Drive Su	uite 10	0		77	ird Party Bil	ling requi	res written	authori	zation from third p	arty		
City: Tampa	S		rovince:	FL	Zip/Postal Code: 33609 Country: United States								
Report To (Nai	ne): (b)(4)				Telephone #: 813-626-8156								
Email Address		(h)(/	1)		Fax #:	813-623-6	702		P	urchase Order:	<u></u> _		
	Number: Stennis B	1 B2 T	est Star	nd		rovide Res		FAX	7	E-mail	Mail		
	ples Taken: MS							лі/Тахар	le 🎵	Residential/Tax	Exempt		
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☐ 3 Hour	☐ 6 Hour	<b>2</b> 4		48 Hour		2 Hour		Hour	<u> </u>	Week 🔲	2 Week		
		mplete	d in accord	dance with EMS			ns located	in the Pri					
	Matrix			Method		Ins	trume	nt	Rep	orting Limit	Check		
Chips 🗆 % by	/ wt. 🗌 mg/cm² 📋	ppm		SW846-7000E	3	Flame A	tomic Abs	orption		0.01%			
^{Air} 24 hr.				NIOSH 7082		İ	lomic Abs			l μg/filter			
				NIOSH 7105			te Fumac AES/ICP-			03 µg/filter	⊢⊭⊣		
		<u>.</u> ,	N	IOSH 7300 mod						5 µg/filter			
Wipe* 24hr	. ASTM ∰ non ASTM [		<u> </u>	SW846-7000E			lomic Abs	orption		0 μg/wipe			
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TCLP	**************************************		<u></u>	6-1311/7000B/S		Flame Atomic Absorption				mg/L (ppm)	THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S		
IVE				-1131/SW846-6						mg/L (ppm)			
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				SW846-7010	)	Graph	te Furnac	AA ex	0.3 r	mg/kg (ppm)			
				SW846-6010B o	r C	l	CP-AES			ng/kg (ppm)			
Wastewater	Unpreserved		SM	3111B/SW846-1	7000B		tomic Abs			mg/L (ppm)			
• • • • • • • • • • • • • • • • • • • •	th HNO ₃ pH < 2		EPA 200.9			· · · · · ·	te Fumac	æ AA		3 mg/L (ppm)	-H		
		_		EPA 200.7		ICP-AES Graphite Furnace AA				0 mg/L (ppm)			
				EPA 200.9 EPA 200.8		ICP-MS			0.003 mg/L (ppm) 0 001 mg/L (ppm)				
			<b></b>	40 CFR Part 5	50	ICP-AES			12 µg/filter				
TSP/SPM Fill	er			40 CFR Part 5		Graphite Furnace AA			3.6 µg/filter				
Other:	A SAME DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRA												
Name of San	npler: (b)(4)				Sign	ature of S	ample	ri		(b)(4)			
Sample #		ocati	on				me/Are			Date/Time S	ampled		
S648	(b)(4) (ADS)/Ir	nside So	uth Contai	nment Prepping		9	80L			5/28/15 8:00a	m <b>4:10pm</b>		
S649	Inside '	13th I	FI Deco	on		8	00L			5/28/15 9:30a	m 4:10pm		
S650	Outside	:13th	FI Dec	on		8	04L			5/28/15 9:30a	m 4:12pm		
S651	Below	13th	FI Dec	on		8	04L			5/28/15 9:32a	m 4:14pm		
S652	Outside Exterior Fire E	leg Air Exhaust		7	42L			5/28/15 10:14	am 4:25pm				
Client Samp	e#'s 5648	- 56	53	SC6W27	25 500	SWZZ6	Tota	1 # of Sa	ample	s: B			
Relinquished	d (Client); (b)	(4)		Date:	5/28	/15		Time:		5:30 pm			
Received (La				Date:	6/	1/15		Time:	4:0	Bar			
Comments:						11-							

Page 1 of ____ pages





### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

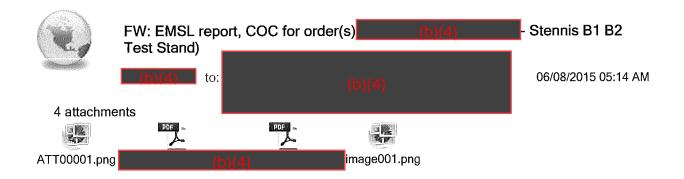
EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S653	Blank		5/28/15
		9900 mm - 1	
SCGW225	Inside the 13th Floor Decon	12x12	5/28/15
SCGW226	Outside the 13th Floor Decon	12x12	5/28/15
Comments/S	pecial instructions:		

Page 2 of 2 pages



Attached please find the test results for the wipe samples collected on June 1, 2015. The sample collected on the exterior of the decon is slightly elevated.

(b)(4)

President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone:
Cell: (b)(4)
Email:

www.OHCNET.com<http://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]
Sent: Wednesday, June 03, 2015 12:20 PM
To: (b)(A)
Subject: EMSL report, COC for order(s) (b)(A)
Stand)

Report, COC for order(s):
(B)(A)

Report, COC for order(s):
(B)(A)

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<http://www.emsl.com/>[cid:b9f6d6b7-ab71-408f-baf8-f9ab3414c221] < http://www.emsl.com/> <http://www.emsl.com/> <http://www.emsl.com/> <http://www.emsl.com/> <http://www.emsl.com/> Clid:b9f6d6b7-ab71-408f-baf8-f9ab3414c221] < http://www.emsl.com/> <http://www.emsl.com/> <http://www.em

Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical , Inc. offers to our clients:
LABConnect <a href="https://extranet.emsl.com/">https://extranet.emsl.com/</a> | Order Products <a href="http://www.emsl.com/ProductCatalogHome.aspx">http://www.emsl.com/ProductCatalogHome.aspx</a> | Client Corner <a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training <a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=477</a> | Additional Resources <a href="http://www.emsl.com/index.cfm?nav=Pages&ID=421">http://www.emsl.com/index.cfm?nav=Pages&ID=421</a> | Sampling Videos <a href="http://www.emsl.tv">http://www.emsl.tv</a>

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5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

CustomerID: CustomerPO:

EMSL Order:

OCCU56

ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

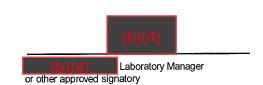
Fax: Received: (813) 623-6702 06/03/15 9:05 AM

Collected:

6/1/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW231 341505386-0008	6/1/2015 Site: Inside	6/3/2015 e The 13th Flo	144 in² or Decon	10 μg/ft²	190 µg/ft²
SCGW232 341505386-0009	6/1/2015 Site: Outsi	6/3/2015 de The 13th F	144 in² loor Decon	10 µg/ft²	900 µg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are *Analysis following Lead in Dust by EMSL 50P/ Determination of Environmental Lead by PLAA. Reporting limit is 10 ug/mpie. ug/mpie ug/mix warea sampled in 12. Offices incled, results in this report elabors only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft²-which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 06/03/2015 12:19:05





### Lead (Pb). Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX. (407) 599-9063

										1000-0000			
Company : OH	IC Environmental	Ëngine	ering, Inc.		EMSL-Bill to: Different V Same If Bill to is Different note instructions in Commonis**								
Street: 5420 B	ay Center Drive S	Suite 10	0		Th	ırd Party Billing n	eauires writter	authoriz	zation from th	ird party	į		
City: Tampa				FL	Zip/Postal Code: 33609   Country: United States								
Report To (Na	me): (b)(4)				Telephone #: 813-626-8156								
Email Address		(b)(/	1)		Fax #: 813-623-6702 Purchase Order:								
Project Name/	Number: Stennis	B1 B2 7	Test Stand			rovide Results	: FA		E-mail	Mail	$\neg$		
	ples Taken; MS					les: 🔲 Comm		le 🗆 l	Residential	Tax Exemp	ı		
0.0.000		Tu	rnaround T	ime (TA		s* - Please C							
3 Hour	☐ 6 Hour	<b>a</b> 24	Hour 🗀	48 Hour	☐ 72	2 Hour	96 Hour		Week	2 Week			
	كالمركان والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج	complete			L's Terms a	nd Conditions lo					$\Box$		
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Chips 🗆 % b	y wt. 🗌 mg/cm³ 📋	] ppm	SW	/846-7000E	3	Flame Atomic	Absorption		0.01%		_		
^{Air} 24 hr.			NI	OSH 7082		Flame Atomic	Absorption		µg/filter	<b>B</b>			
24 III.				OSH 7105		Graphite Fu			33 µg/filter		_		
				7300 mod		ICP-AES/			5 µg/filter	<del></del>	$\dashv$		
Wipe* 24hr	ASTM			/846-7000E		Flame Atomic			) µg/wipe				
Ĭ	non ASTM checked, non-ASTM			16-6010B o		ICP-A			0 µg/wipe		_		
	Wipe is assumed	مسترسي سي		6-7000B/7		Graphite Fu		0.075 µg/wipe			4		
TCLP			SW846-1311/7000B/SM 3111B SW846-1131/SW846-6010B or C			Flame Atomic		mg/L (ppm		-1			
)   0~:1	البطائلي شتاو خالاي بالبروغ			/846-7000E		ICP-A			mg/L (ppm ng/kg (ppm				
Soil			<u></u>	V846-7010		Graphite Fu			ng/kg (ppm				
				16-6010B		ICP-A			ig/kg (ppm)				
Wastewater	Unarragana		SM3111	B/SW846-	7000B	Flame Atomic	Absorption		mg/L (ppm				
	Unpreserved ith HNO₃ pH < 2		EPA 200.9			Graphite Fu		mg/L (ppr					
			EPA 200.7			ICP-A	0.020 mg/L (ppm)			{			
	ter Unpreserved ith HNO ₃ pH < 2		EPA 200.9 EPA 200.8			Graphite Fu	0.003 mg/L (ppm) 0.001 mg/L (ppm)						
	المدالية المدالية المدالية المدالية المدالية		<del>}</del>	CFR Part 5	i0	ICP-A	12 µg/filter		<del>*        </del>	ㅓ			
TSP/SPM File	ter			CFR Part 5		Graphite Furnace AA			6 µg/filter				
Other:													
Name of San	npler: (b)(4)				Signa	ture of Samp	oler:		<b>1</b> )				
Sample #		Locati	on			Volume/	rea ′		Date/Tin	ne Sample	ď		
S668	(b)(4) ADS)/Inside Sa	outh Contains	ment Prepping 19th th	nru 17th floors		1,030	L		6/01/15 8:	05am 4:40	pm		
S669	Inside	13th	FI Decon			918L			6/01/15 9:	01am 4:40	pm		
S670	ļ <del></del>	<del></del>	Fl Decòn			918L			6/01/15 9:	01am 4:40	pm		
S671			FI Decon			9441	-		6/01/15 9:	03am 4:55	pm		
S672						JIOV			6/01/15 9:10am VOID		סוג		
Client Samp		-567		W231	SCGW.		otal # of S	amples	3: 10		_		
Relinquished		- Op		Date:	6/01/		Time:		5:30 pm				
Received (Lat	<del></del>	4)	Date:	@[3][5 Time:			9:05am						
Comments:	77.			,			1		<del></del>				

Page 1 of 2 pages



### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE (407) 599-5887 FAX: (407) 599-9063

(b)(4)

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
\$673	(b)(4) ADS)/ Stair Treads SE Pier	824L	6/01/15 9.40am 4:32pm
S674	Inside Man Lift Stair Tread SE Pier	824L	6/01/15 9:40am 4:32pm
S675	Blank	OL	6/01/15
SCGW231	Inside the 13th Floor Decon	12x12	6/01/15
SCGW232	Outside the 13th Floor Decon	12x12	6/01/15
Comments/S	pecial Instructions:		

Page 2 of 2 pages



FW: EMSL report, COC for order(s)

(b)(4)

Stennis B1 B2

Test Stand)

**(b)(4)** to:

(b)(e

06/08/2015 05:14 AM

Attached please find the test results for the daily wipe samples collected on June 3, 2015. All the samples are within acceptable levels .

(b)(4) MS, CIH

President

[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc .

5420 Bay Center Drive Tampa, Florida 33609

Phone: (b)(

Email: (b)(4)

www.OHCNET.com<http://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Friday, June 05, 2015 12:46 PM

TO: (b)(4)

Subject: EMSL report, COC for order(s) - Stennis B1 B2

Test Stand)

Report, COC for order(s):

- Stennis B1 B2 Test Stand

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http://www.emsl.com/><http://www.emsl.com/> | Laboratory

Analyst /LaboratoryTechnical Director

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804

Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

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http://www.emsl.com/index.cfm?nav=Pages&ID=420> | Training<

http://www.emsl.com/index.cfm?nav=Pages&ID=477> | Additional Resources <

http://www.emsl.com/index.cfm?nav=Pages&ID=421> | Sampling Videos<

http://www.emsl.tv>

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http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

06/05/15 8:45 AM

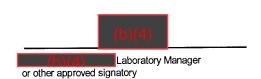
Collected:

6/3/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW235	6/3/2015	6/5/2015	144 in²	10 µg/ft²	12 μg/ft²
341505477-0011	Site: Inside	The 13th Flo	or Decon	- Harry - Arthury - Arthury	
SCGW236	6/3/2015	6/5/2015	144 in²	10 μg/ft²	33 μg/ft²
341505477-0012	Site: Outsid	de The 13th F	loor Decon		



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. ""c" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 06/05/2015 12:44:52



### Lead (Pb) Chain of Custody EMSL Order (D (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Consti					and and			11(401) 3	95-50	<u> </u>	
	IC Environmental				EMSL-Bitl If Bill to is Office			rent 🗸 Same n Comments"			
Street: 5420 E	Bay Center Drive S	Suite 10	Ю	Th	nird Party Billing requ	ires v <i>iri</i> tter	authori	zation from third p	arty		
City.Tampa	7	State/P	rovince FL	Zip/Postal Code 33609 Country United States							
Report To (Na	me) [,] (b)(4)			Telephone # 813-626-8156							
Email Address		(b)(4	)	Fax # 813-623-6702							
Project Name/	Number Stennis	B1 B2 7	Fest Stand	Please P	rovide Results	FA	· 🔽	E-mail	Mai1		
U.S. State San	nples Taken: MS			CT Samp	les 🗀 Commerc	lai/Texet	ie 🔲	Residential/Tax	Ехеп	npt	
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3 Hour	☐ 6 Hour		Hour 48 Hour			Hour		Week 🔲	2 We	ek	
***************************************		complete	d in accordance with EMS	L's Terms a						***************************************	
	Matrix		Method		Instrume	nt	Rep	orting Limit	Che	eck	
Chips □% b	ywt. ☐ mg/cm³ ☐	] ppm	5W646-70008	3	Flame Atomic Abs	sorption	0.01%			]	
^{Air} 24 hr.			NIOSH 7082		Flame Alomic Ab	sorption	4	µg/filter	Į.		
			NIQSH 7105		Graphite Fuma			03 µg/filter		] ]	
			NIOSH 7300 mod		ICP-AES/ICP			5 µg/filter			
Wipe* Z4hr			\$\\/846-70006		Flame Atomic Abs	sorption		0 µg/wipe			
"If no box is	non ASTM chucked, non-ASTM	L	SW846 6010B o		ICP-AES			0 µg/wipe	L		
	Wipe is assumed		\$W846-7000B/70		Graphite Furnac		0.075 µg/wipe		<u> </u>	]	
TCLP			5W846 1311/7000B/S		Flame Atomic Absorption			mg/L (ppm)			
		Northing Association	SW846-1131/SW846-6	ICP-AES			mg/L (ppm)	<u> </u>			
Soil			SW846-7000B SW846-7010		Flame Atomic Abs		40 n	ng/kg (opm)		4-1	
			SW846-6010B o		Graphite Fumae ICP AES	CA AA		ng/kg (ppm) ig/kg (ppm)	-	<b>-</b>	
			5M3111B/SW846-7		Flame Atomic Abo	contion		mg/L (ppm)		<del>-</del>	
Wastewater	Unpreserved		EPA 200.9	Graphile Furna			mg/L (ppm)				
Preserved wi	ith HNO ₃ pH < 2		EPA 200.7	ICP AES			mg/L (ppm)		$\Box$		
Drinking Wa	ter Unpreserved		EPA 200.9	Graphite Furnac	0.003 mg/L (ppm)			1			
	nth HNO ₃ pH < 2		EPA 200.8		ICP-MS		0.001 mg/L (ppm)				
TSP/SPM File	ter		40 CFR Part \$		ICP-AES		12 µg/filter				
			40 CFR Part 5	0	Graphite Furnace AA		3.	6 µg/filter		]	
Other				<u></u>					Ļ		
Name of San				Signa	ture of Sample			(4)			
Sample #		Locatio	o <b>n</b>		Volume/Are	a /		Date/Time 5			
S686-	(b)(4) *25) Inside 6	Contairme	int Propping 19th thru 17th faors		1,000L			6/03/15 8:35a	m 4:5	5pm	
<b>S6</b> 87	Inside	13th f	FI Decon		1,000L			6/03/15 8:35a	m 4:1	5pm	
S688°	Outside	e13th	FI Decon		1,000L			6/03/15 8:36a	m 4:1	6pm	
S689-	Below	13th F	FI Decon		1,000L			6/03/15 8:38am 4:18pm			
S690	Outside Exterior Fire I		910L			6/03/15 8:45a	m 4:2	0pm			
Client Sampl	e#'s 5696	- 569	5 5CEW 235	SCGW	Z <i>3</i> ن Tota	l#of Sa	mples	12			
Relinquished	i (Client)		Date ⁻	6/03/		Tıme		5:30 pm	•	·	
Received (Lat	o):		4) Date	61515 Time:			8:45am				
Comments:			.,	14-1-		1		<del></del>	<del></del>		

Page 1 of ____ pages



### LEAD (Pb) CHAIN OF CUSTODY

FMSL ORDER ID /Lab Use Only):
(b)(4)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

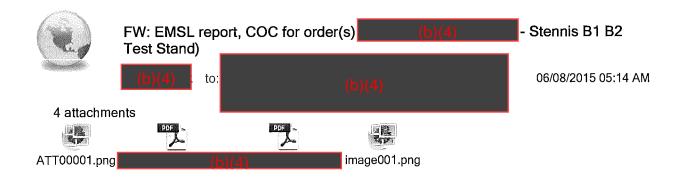
Orlando, FL 32804

PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

# elqme3	Location	Volume/Area	Date/Time Sampled
S691	(b)(4) (ADS) Dumpster Clean - Up	900L	6/03/15 8:20am 3:50pm
S692	15' Down Wind of Dumpster Clean - Up	900L	8/03/15 8:20am 3:50pm
S693	(b)(4) (ADS) Inheds East Pier Spot Abatement	440L	6/03/15 5:00pm 8:40pm
S694	Inside Man Lift East Pier Inbeds Spot Abatement	440L	6/03/15 5:00pm 8:40pm
S695	Blank		6/03/15
_			
SCGW235	Inside the 13th Floor Decon	12x12	6/03/15
SCGW236	Outside the 13th Floor Decon	12x12	6/03/15
Comments/S	peçial Instructions:		
ı			1

Page 2 of 2 pages



Attached please find the test results for the air samples collected on May 28, 2015. All the samples are below detection limit .

President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone:
Cell:
Email: (b)(4)

www.OHCNET.com<http://www.ohcnet.com/>

Analyst /LaboratoryTechnical Director

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]
Sent: Monday, June 01, 2015 4:51 PM
To: (1)(4)
Subject: EMSL report, COC for order(s) (1)(4)
Test Stand)

Report, COC for order(s): (1)(4)
- Stennis B1 B2
Test Stand

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<http://www.emsl.com/>[cid:0937e9aa-bb8f-4268-be84-5092533e7cb0] < http://www.emsl.com/>com/>chttp://www.emsl.com/> Laboratory

Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804

Some of the resources EMSL Analytical , Inc. offers to our clients:

```
LABConnect <a href="https://extranet.emsl.com/">LABConnect <a href="http://www.emsl.com/ProductCatalogHome.aspx">http://www.emsl.com/ProductCatalogHome.aspx</a> | Client Corner <a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training <a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=477</a> | Additional Resources <a href="http://www.emsl.com/index.cfm?nav=Pages&ID=421">http://www.emsl.com/index.cfm?nav=Pages&ID=421</a> | Sampling Videos <a href="http://www.emsl.tv">http://www.emsl.tv</a>
```

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5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

Fax:

(813) 626-8156 (813) 623-6702

Received: Collected:

06/01/15 9:05 AM

5/28/2015

Project: Stennis B1 B2 Test Stand

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected A	nalyzed Volume	RDL	•	Lead Concentration
S648 341505288-0001	5/28/2015 6/ Site: (b)/	1/2015 980 L 1) ADS Inside South Cor	ntainment Preppin	4.1 μg/m³	<4.1 μg/m³
\$649 341505288-0002	5/28/2015 6/ Site: Inside 13t	1/2015 800 L n FI Decon		5.0 μg/m³	<5.0 μg/m³
\$650 341505288-0003	5/28/2015 6/ Site: Outside 1	1/2015 804 L 3th FI Decon		5.0 μg/m³	<5.0 μg/m³
S651 341505288-0004	5/28/2015 6/ Site: Below 13t	1/2015 804 L n Fl Decon		5.0 μg/m³	<5.0 μg/m³
S652 341505288-0005		1/2015 742 L xterior Fire Exit 9th FI Below	Neg Air Ex	5.4 μg/m³	<5.4 μg/m³
\$653 341505288-0006	5/28/2015 6/ Site: Blank	1/2015 0 L		4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 06/01/2015 16:50:45



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE (407) 599-5887 FAX: (407) 599-9063

		\	1 70. (407) 599-9063										
Company : OH	IC Environmental	Engine	ering, l	Inc.			MSL-BIII to is Differe			rent / Same n Comments**			
Street: 5420 B	ay Center Drive S	Suite 10	0		T/r	ird Party B	illina requi	ires written	authori	zation from third p	arty		
City: Tampa		State/P		e: FL	Zip/Postal Code: 33609 Country: United States								
Report To (Nai	me): (b)(4)				Telephone #: 813-626-8156								
Email Address		(b)(/	1		Fax #: 813-623-6702 Purchase Order:								
	Number: Stennis	B1 B2	est St	and	Please P	rovide Re	sults:	FAX	7	E-mail	Mail		
	ples Taken: MS	**************************************						ial/Taxab	le 🔲	Residential/Tax	Exempt		
		Tu	ırnaroı	und Time (TA									
3 Hour	☐ 6 Hour	■ 24	Hour	48 Hour	· 🗆 7	2 Hour	☐ 96	Hour	_		2 Week		
		complete	d In acco	ordance with EMS	L's Terms a						Obsole		
	Matrix		<u> </u>	Method		<u> </u>	strume		Rep	orting Limit	Check		
Chips □ % by	y wt. ☐ mg/cm² ☐	] ppm	<u></u>	SW846-7000E	3	Flame /	Atomic Abs	sorption		0.01%			
^{Air} 24 hr.				NIOSH 7082			Atomic Abs			4 μg/filter			
				NIOSH 7105			nite Furnac			03 µg/filter .5 µg/filter	<del>                                     </del>		
				NIOSH 7300 mod		<u> </u>					<u> </u>		
Wipe* 24hr	. ASTM non ASTM			SW846-7000E		Flame /	Atomic Abs	вогриот		0 µg/wipe			
"if no box is	checked, non-ASTM Wipe is assumed			SW846-6010B o		Grapi	hite Furna	œ AA		0 μg/wipe 75 μg/wipe			
TCLP			SW8	46-1311/7000B/S		Flame Atomic Absorption			0.4 mg/L (ppm)				
102.				16-1131/SW846-6			ICP-AES			mg/L (ppm)			
Soll			SW846-7000B				Atomic Ab			ng/kg (ppm)			
				SW846-7010		Grapi	nite Furna	ce AA		mg/kg (ppm)			
			<u> </u>	SW846-6010B c			ICP-AES			ng/kg (ppm)	<del>   </del>		
Wastewater	Unpreserved		S	M3111B/SW846-	7000B		Atomic Aboute Furna			mg/L (ppm)	<del>  </del>		
	th HNO ₃ pH < 2		EPA 200.9 EPA 200.7			Grapi	ICP-AES	ce AA		3 mg/L (ppm) 0 mg/L (ppm)			
Drinking Wat	ter Unpreserved		<del>                                     </del>	EPA 200.9		Graphite Furnace AA				3 mg/L (ppm)			
	ith HNO ₃ pH < 2	H	<b></b>	EPA 200.8		ICP-MS			0 001 mg/L (ppm)				
TSP/SPM Filt				40 CFR Part 5		ICP-AES			12 µg/filter				
	er			40 CFR Part 5	50	Graphite Furnace AA			3	.6 µg/filter			
Other:			<u> </u>								<del></del>		
Name of San	npler: (b)(4)				Sign	ature of				<u>(b)(4)</u>	<u> </u>		
Sample #		Locati	on				ıme/Are	<u>a                                    </u>		Date/Time S			
S648	(b)(4) ADS)	/Inside Sc	uth Cont	tainment Prepping			980L			5/28/15 8:00a	•		
S649	Inside	13th	FI Dec	con	ļ	{	800L			5/28/15 9:30a	m 4:10pm		
S650	Outsid	de13th	FI De	con		1	804L			5/28/15 9:30a	m 4:12pm		
S651	Below	v 13th	FI Der	con			804L			5/28/15 9:32a	ım 4:14pm		
S652	Neg Alr Exhaust	1		742L			5/28/15 10:14	am 4:25pm					
Client Samp	le#'s 5648	- 56	<u>53</u>	SCGW27	25 SC	6W ZZ6	Tota	1 # of S	ample				
Relinquished	d (Client))			/ Date:	5/28/15 Time:			A	5:30 pm				
Received (La				Date:	0.1	เปร		Time:	4:0	Bar			
Comments:	, (1	b)(4)				11							

Page 1 of 2 pages





### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

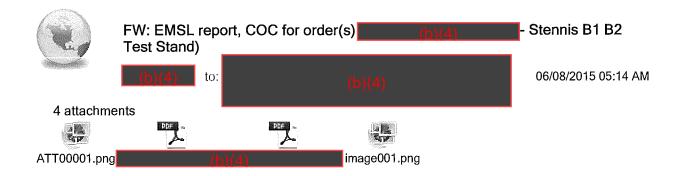
Orlando, FL 32804 PHONE. (407) 599-5887 FAX (407) 599-9063

(b)(4)

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S653	Blank		5/28/15
-			
SCGW225	Inside the 13th Floor Decon	12x12	5/28/15
	Outside the 13th Floor Decon	12x12	5/28/15
30077220	Odiside the 13th Floor Decon	IZAIZ	0/20/10
		Land Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Contro	,
			· · · · · · · · · · · · · · · · · · ·
Commonto/6	pecial instructions:		
Comments/S	pecia, men ucucije.		

 $\mathsf{Page}\, \underline{2} \quad \mathsf{of}\, \underline{2} \quad \mathsf{pages}$ 



Attached please find the test results for the air samples collected on June 1, 2015. All the samples are well within acceptable limits

(h)(4)

President
[cid:image001.png@01CD10DB.A9302780]

OHC Environmental Engineering Inc.
5420 Bay Center Drive

Tampa, Florida 33609

Phone:
Cell: (b)(4)

Email: (h)(4)
www.OHCNET.com<http://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]
Sent: Wednesday, June 03, 2015 12:57 PM
To: (b)(4)
Subject: EMSL report, COC for order(s) (b)(4)
Test Stand)

Report, COC for order(s):

- Stennis B1 B2 Test Stand

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Analyst /LaboratoryTechnical Director

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804 Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical , Inc. offers to our clients:

```
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```

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Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

OHC Environmental Engineering, Inc.

orlandolab@emsl.com

Phone:

(813) 626-8156

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

OCCU56

Fax:

(813) 623-6702 06/03/15 9:05 AM

Received: Collected:

6/1/2015

Tampa, FL 33609

Suite 100

Project: Stennis B1 B2 Test Stand

5420 Bay Center Drive

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S668	6/1/2015	6/3/2015	1030 L	3.9 µg/m³	<3.9 µg/m³
341505386-0001	Site: 6	)(4) (ADS)	Inside South Containment		175.000
S669	6/1/2015	6/3/2015	918 L	4.4 μg/m³	<4.4 µg/m³
341505386-0002	Site: Inside	e 13th FI Decor	1		
S670	6/1/2015	6/3/2015	918 L	4.4 µg/m³	<4.4 μg/m³
341505386-0003	Site: Outsi	de 13th FI Dec	on	15-14-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
S671	6/1/2015	6/3/2015	944 L	4.2 μg/m³	<4.2 μg/m³
341505386-0004	Site: Belov	v 13th FI Decor	1		44
S673	6/1/2015	6/3/2015	824 L	4.9 μg/m³	<4.9 μg/m³
341505386-0005	Site: (	)(4) (AD:	S)/Stair Treads SE Pier		
S674	6/1/2015	6/3/2015	824 L	4.9 µg/m³	5.7 μg/m³
341505386-0006	Site: Inside	e Man Lift Stair	Tread SE Pier		
S675	6/1/2015	6/3/2015	0 L	4.0 µg/filter	<4.0 µg/filter
341505386-0007	Site: Blank				



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 06/03/2015 12:56:47



### Lead (Pb). Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Company: OHC Environmental Engineering, Inc.				EMSL-Bill to: Different / Same  # Bill to is Different note instructions in Comments**							
Street: 5420 Bay Center Drive Suite 100					Third Party Billing requires written authorization from third party						
City:Tampa	State/Province: FL			Zip/Postal Code: 33609 Country: United St				States			
Report To (Nar	ne): (b)(4)						813-626-81	56	- 1 -		
Email Address					Fax #: 8	13-6	23-6702			urchase Order:	
Project Name/I	Number: Stennis	B1 B2 7	est Stand		Please Pr	ovide	Results:	FAX	V	E-mail	Mail
	ples Taken: MS				CT Sampl	es: [	Commerci	al/Taxab	le 🗌 F	Residential/Tax	Exempt
Turnaround Time (TAT) Options* - Please Check											
☐ 3 Hour	☐ 6 Hour	<b>a</b> 24		48 Hour							2 Week
		complete	in accordance		L's Terms ar	nd Cor			ce Guide		Check
	Matrix		, h	Nethod			Instrumer	IE .	кер	orting Limit	Check
Chips   % b	/wt. 🗌 mg/cm³ 🖺	] ppm	sw	846-7000E	3	Flar	ne Atomic Abs	orption		0.01%	
Air 24 hr.			Nt	OSH 7082		Flar	ne Atomic Abs	orption		μg/filter	<b>B</b>
<b>4</b> 2-₹ 11  .				OSH 7105			raphite Furnac			3 µg/filter	┝╼┾╃╼┦
			NIOSH	7300 mod	ified		ICP-AES/ICP-			5 μg/filter	
Wipe* 24hr	ASTM		SW	/846-7000E	3	Flar	ne Atomic Abs	orption		) µg/wipe	
	non ASTM checked, non-ASTM		SW84	16-6010B o	r C				) µg/wipe	느닐니	
	Wipe is assumed		SW84	6-7000B/7	010	Graphite Furnace AA			75 µg/wipe		
TCLP			SW846-1311/7000B/SM 3111B					mg/L (ppm)			
			SW846-1131/SW846-6010B or C				0.1 mg/L (ppm)		느닐닉		
Soil		SW846-7000B					ng/kg (ppm)	┡			
		SW846-7010 SW846-6010B or C					ng/kg (ppm) g/kg (ppm)	┠╌╞╡╌┤			
		SM3111B/SW846-7000B			Fin	me Atomic Abs	omtlon		mg/L (ppm)		
Wastewater	Unpreserved			PA 200.9	70000		raphite Furnac			mg/L (ppm)	
Preserved wi	th HNO ₃ pH < 2		EPA 200.7		ICP-AES		0.020 mg/L (ppm)				
<b>Drinking Wat</b>	er Unpreserved		EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)				
Preserved wi	th HNO ₃ pH < 2		EPA 200.8		ICP-MS		0 001 mg/L (ppm)				
TSP/SPM Fill	er		40 CFR Part 50			ICP-AES		12 µg/filter		<b>                                     </b>	
			40 CFR Part 50		Graphite Furnace AA		3.6 µg/filter		┠╌┾╡╼╌		
Other:		<del></del> -			10'	<u></u>	-f Carania		/b)//	1)	
Name of San	ipler: (b)(4)	Locati			Signa		of Sampler of Sampler		(b)(4	Date/Time	Sampled
Sample #				479 4			1.030L				
S668			nent Prepping 19th th	An July Woola						6/01/15 8:05am 4:40pm	
S669	Inside 13th Fl Decon				918L				6/01/15 9:01am 4:40pm		
S670	Outside13th FI Decon			918L				6/01/15 9:01			
S671	Below 13th FI Decon				- <u>-</u> -	944L			6/01/15 9:03a		
S672 Outside Exterior Fire Exit 10th FI Below Neg Air Exhaust					VOID			6/01/15 9:10	am VOID		
Client Samp	e#'s 5668	- 567	5 SCG1	W231	SCGW		Tota	I# of Sa	imples	Y	
Relinquished	d (Client):			Date:	6/01/			Time:		5:30 pm	
Received (Lat			4)	Date:	l Q	3	15	Time:		9:05	2m
Comments:											
											·····

Page 1 of ____ pages



### LEAD (Pb) CHAIN OF CUSTODY

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
\$673	(b)(4) ADS)/ Stair Treads SE Pier	824L	6/01/15 9.40am 4:32pm
S674	Inside Man Lift Stair Tread SE Pier	824L	6/01/15 9:40am 4:32pm
S675	Blank	OL	6/01/15
SCGW231	Inside the 13th Floor Decon	12x12	6/01/15
SCGW232	Outside the 13th Floor Decon	12x12	6/01/15
			+
Comments/S	pecial Instructions:		

Page 2 of 2 pages

Attached please find the test results for the air samples collected June 2, 2015. All the samples are below detection limit.

```
(b)(4) MS, CIH
President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc .
5420 Bay Center Drive
Tampa, Florida 33609
Phone:
Cell:
Email:
www.OHCNET.com<http://www.ohcnet.com/>
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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]
Sent: Thursday, June 04, 2015 2:41 PM
To: James Rizk; Mark Fohn
                                                                  - Stennis B1 B2
Subject: EMSL report, COC for order(s)
Test Stand)
Report, COC for order(s):
           - Stennis B1 B2 Test Stand
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http://www.emsl.com/><http://www.emsl.com/>
                                                                 | Laboratory
Analyst
   EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804 Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170
   Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call
Some of the resources EMSL Analytical , Inc. offers to our clients:
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```

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orlandolab@emsl.com

http://www.EMSL.com

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

EMSL Order: CustomerID:

OCCU56

CustomerPO:

ProjectID:

(813) 626-8156 Phone: Fax: (813) 623-6702 Received: 06/04/15 9:10 AM 6/2/2015 Collected:

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S676 341505441-0001	6/2/2015 Site:	6/4/2015 <mark>)(4) (</mark> (ADS)	960 L Inside S Containment Prepping	4.2 μg/m³	<4.2 µg/m³
\$677 341505441-0002	6/2/2015 Site: Inside	6/4/2015 e 13th Fl Decor	960 L	4.2 μg/m³	<4.2 μg/m³
S678 341505441-0003	6/2/2015 Site: Outsi	6/4/2015 ide 13th FI Dec	960 L on	4.2 μg/m³	<4.2 μg/m³
S679 341505441-0004	6/2/2015 Site: Belov	6/4/2015 v 13th FI Decor	960 L	4.2 μg/m³	<4.2 μg/m³
\$680 341505441-0005	6/2/2015 Site: Outsi	6/4/2015 de Ext. Fire Ex	960 L it 10th FI	4.2 μg/m³	<4.2 μg/m³
S681 341505441-0006	6/2/2015 Site:	6/4/2015	902 L DS) Stair Treads SE Pier	4.4 μg/m³	<4.4 μg/m³
\$682 341505441-0007	6/2/2015 Site: Dowr	6/4/2015 n Wind Stair Tr	902 L ead SE Pier Spot Abat.	4.4 μg/m³	<4.4 μg/m³
S683 341505441-0008	6/2/2015 Site: (h	6/4/2015 <mark>}(4) (</mark> ADS)	736 L Inbeds East Pier Spot Abatement	5.4 μg/m³	<5.4 μg/m³
S684 341505441-0009	6/2/2015 Site: Inside	6/4/2015 e Man Lift East	736 L Pier Inbeds Spot Abatement	5.4 μg/m³	<5.4 μg/m³
S685 341505441-0010	6/2/2015 Site: Blank	6/4/2015	0 L	4.0 μg/filter	<4.0 μg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 06/04/2015 14:40:05



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

06/04/15 9:10 AM

Collected:

6/2/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW233	6/2/2015	6/4/2015	144 in²	10 μg/ft²	55 μg/ft²
341505441-0011	Site: Inside	e The 13th Flo	or Decon		
SCGW234	6/2/2015	6/4/2015	144 in²	10 µg/ft²	96 μg/ft²
341505441-0012	Site: Outsi	de The 13th F	loor Decon		

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 06/04/2015 14:40:05



### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE (407) 599-5887 FAX: (407) 599-9063

	4-111									
Company : OHC Environmental Engineering, Inc.					EMSL-Bill to: Different \ Same If Bill to is Different note instructions in Comments**					
Street: 5420 Bay Center Drive Suite 100					Third Party Billing requires written authorization from third party					
City: Tampa	State/Province: FL			Zip/Postal Code: 33609 Country: United States					States	
Report To (Nar	ne): (b)(4)				Telephone #: 813-626-8156					
Email Address	:	(b)(4	(-)		Fax#: 8	113-623-6702			rchase Order:	
Project Name/I	Number: Stennis E	31 B2 T	est Stand		Piease Pr	rovide Results:	FAX	V	E-mail	Mail
	ples Taken; MS				CT Samp	les: 🗌 Commerci	al/Taxable		<u>lesidential/Tax</u>	Exempt
		Tu	rnaround Ti	me (TA	T) Option	s* - Please Ched	ck			
□ 3 Hour □ 6 Hour ■ 24 Hour □ 48 Hour □ 72 Hour □ 96 Hour □ 1 Week □ 2 Week										
		omplete			L's Terms a	nd Conditions located		Guide		- Clarate
	Matrix		N	lethod		Instrumen	18	<u>-</u>	orting Limit	Check
Chips % by	/wt. 🗌 mg/cm² 📋	ppm	SW	346-70008	·	Flame Atomic Abs	orption		0.01%	<u> </u>
Air 24 hr.	-	_	. NIC	OSH 7082		Flame Atomic Abs	orption		µg/filter	
24 (11)			NIC	OSH 7105	-	Graphite Furnac			3 μg/filter_	
			NIOSH	7300 mod	ified	ICP-AES/ICP-I	MS		5 μg/filter ·	
Wipe*	ASTM	<b>.</b>	SW	346-7000B	3 %	Flame Atomic Abs	orption	10	) µg/wipe	192
· ·	non ASTM checked, non-ASTM		SW84	6-6010B o	ιĊ	ICP-AES		1.0	) μg/wipe	
SI XOD ON III	Wipe is assumed		SW846	5-7000B/70	010	Graphite Furnac	AA s	0.07	5 μg/wipe	
TCLP	SW846-1311/7000B/S			M 3111B	Flame Atomic Abs	orption	0.4 mg/L (ppm)			
	SW846-1131/SW846-6			010B or C	ICP-AES		0.1 r			
Soil				SW846-7000B		Flame Atomic Abs				
			SW846-7010		Graphite Fumac	e AA		ng/kg (ppm)	┠╼╪╡╼┧	
			SW846-6010B of C		ICP-AES	amban		g/kg (ppm)	┝╌┾╣╌╢	
Wastewater Unpreserved		SM3111B/SW846-70 EPA 200.9		7000B Flame Atomic Absorption Graphite Furnace AA			0.4 mg/L (ppm) 0.003 mg/L (ppm)			
Preserved wi	ith HNO₃ pH < 2		EPA 200.9					mg/L (ppm)		
Drinking Wat	ter Unpreserved	П	EPA 200 9		Graphite Furnace AA			3 mg/L (ppm)		
	ith HNO ₃ pH < 2	d	EPA 200.8		ICP-MS		0.001 mg/L (ppm)			
			40 0	40 CFR Part 50		ICP-AES		12 µg/filter		
TSP/SPM File	ter		40 (	FR Part 5	50 Graphite Furnace AA		æ AA	3.6 µg/filter		<u> </u>
Other:										
Name of San	npler: (b)(4)				Signa	ature of Sampler		<u>(b)</u>	<u>(4)</u>	
Sample #		Locati	on			Volume/Area	a /		Date/Time S	Sampled
S676	DS) Inside S	Containme	ent Prepping 19th the	u 17th Rooms		960L			6/02/15 8:15a	m 4:15pm
S677	Inside	13th	FI Decòn		960L				6/02/15 8:15	am 4:15pm
\$678`	Outsid	e13th	FI Decon	_	960L				6/02/15 8:16a	am 4:16pm
S679`	Below 13th Fl Decon			960L				6/02/15 8:18	am 4:18pm	
\$680`			r Exhaust		960L	, , , , , , , , , , , , , , , , , , ,		6/02/15 8:20	am 4.20pm	
Client Samp					5CGW2	3.4 Tota	# of Sa	mples	: 12	
		- <u>J</u>	<u> </u>		6/02/		Time:		5:30 pm	
Relinquished			(4)	Date:		<del>加</del> 5	Time:		9:10ar	<b>~</b>
Received (Lai	u):		` '	Date:		ш >	, ,			
L										

Page 1 of ___ pages



## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX (407) 599-9063

34/30544/

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S681	(h)(4) (ADS) Stair Treads SE Pier	902L	6/02/15 8:50am 4:21pm
S682	Down Wind Stair Tread SE Pier Spot Abatement	902L	6/02/15 8:50am 4:21pm
S683	(b)(4) (ADS) Inbeds East Pier Spot Abatement	736L	6/02/15 5.32pm 11:40pm
S684	Inside Man Lift East Pięr Inbeds Spot Abatement	736L	6/02/15 5 32pm 11:40pm
S685	Blank	0L	6/02/15
SCGW233	Inside the 13th Floor Decon	12x12	6/02/15
SCGW234	Outside the 13th Floor Decon	12x12	6/02/15
Comments/Sp	ecial Instructions:		

Page 2 of 2 pages

Stennis B1 B2

- Stennis B1 B2

06/08/2015 05:14 AM

Attached please find the test results for the air samples collected on June 2015. All the samples are below detection limit .

(b)(4) MS, CIH

President

[cid:image001.png@01CD10DB.A9302780] OHC Environmental Engineering Inc .

5420 Bay Center Drive Tampa, Florida 33609 Phone : Cell:

Email:

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Test Stand)

Report, COC for order(s):

- Stennis B1 B2 Test Stand

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Analyst

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orlandolab@emsl.com

Phone:

(813) 626-8156

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

OCCU56

Fax:

(813) 623-6702 06/05/15 8:45 AM

Received: Collected:

6/3/2015

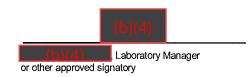
Suite 100 Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

5420 Bay Center Drive

### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S686 341505477-0001	6/3/2015 Site:	6/5/2015 (ADS)	1000 L Inside S Containment Prepping	4.0 µg/m³	<4.0 μg/m³
S687 341505477-0002	6/3/2015 Site: Inside	6/5/2015 e 13th Fl Decor	1000 L n	4.0 μg/m³	<4.0 µg/m³
S688 341505477-0003	6/3/2015 Site: Outsi	6/5/2015 de 13th Fl Dec	1000 L son	4.0 μg/m³	<4.0 µg/m³
S689 341505477-0004	6/3/2015 Site: Below	6/5/2015 / 13th Fl Decor	1000 L	4.0 μg/m³	<4.0 µg/m³
S690 341505477-0005	6/3/2015 Site: Outsi	6/5/2015 de Exterior Fire	910 L E Exit 10th FI Below Neg Air	4.4 μg/m³	<4.4 µg/m³
S691 341505477-0006	6/3/2015 Site:	6/5/2015 (ADS) D	900 L umpser Clean-Up	4.4 μg/m³	<4.4 µg/m³
S692 341505477-0007	6/3/2015 Site: 15' Do	6/5/2015 own Wind Of E	900 L Dumpster Clean-Up	4.4 μg/m³	<4.4 µg/m³
S693 341505477-0008	6/3/2015 Site:	6/5/2015 (ADS)	440 L Inbeds E Pier Spot Abatement	9.1 μg/m³	<9.1 μg/m³
S694 341505477-0009	6/3/2015 Site: Inside	6/5/2015 Man Lift E Pie	440 L er Inbeds Spot Abatement	9.1 μg/m³	<9.1 μg/m³
S695 341505477-0010	6/3/2015 Site: Blank	6/5/2015	0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter: ug/filter: ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "c" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 06/05/2015 12:44:59



5125 Adanson Street, Suite 90

Lead (Pb) Chain of Custody
EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

EMSL Analytical, Inc.

Company : OHC Environmental Engine	EMSL-Bill to: Different / Same						
Street 5420 Bay Center Drive Suite 10		If Bill to is Offerent note in Rendered in Comments."					
	Third Party Billing requires written authorization from third party  Zip/Postal Code 33609 Country United States						
						Juliu Silinea	Cidica
		Telephone # 813-626-8156  Fax # 813-623-6702					
Email Address (b)	Test Stond		1	FAX	1 100000	rchase Order E-mail	Mail
Project Name/Number Stennis B1 B2	Lest grand		rovide Results			<del>ا من ا</del> ا-	
U.S. State Samples Taken: MS	unanaund Time /TA		les Commerc		He U M	xe i lietineti ex	Exempt
	urnaround Time (TA Hour			Hour		Week 🔲	2 Week
	ed in accordance with EMS						
Matrix	Method		Instrumer			rting Limit	Check
Chips □ % by wt. □ mg/cm³ □ ppm	SW846-70008	}	Flame Atomic Abs	orption	ı	0.01%	
Air 24 hr.	NIOSH 7082	,,_	Flame Atomic Abs	orption	4	μg/filter	
<del>24</del> III.	NIOSH 7105		Graphite Furnac	æ AA		3 µg/filter	
	NIOSH 7300 mod	ified	ICP-AES/ICP-	MS	0.6	5 µg/filter	
Wipe* Z4hr. ASTM	SW846-7000E	3	Flame Atomic Abs	orption	10	µg/wipe	
non ASTM [] "If no box is checked, non-ASTM	SW846 6010B o	r C	ICP-AES		1.0	µg∕wipe	
Wipe to assumed	SW846-7000B/7010		Graphite Furnace AA		0.07	5 µg/wipe	
TCLP	5W846 1311/7000B/SM 3111B		Flame Atomic Absorption		0.4 mg/L (ppm)		
	SW846-1131/SW846-6010B or C		ICP-AES		0.1 mg/L (ppm)		╼┾┼╼┪
Soil	SW846-7000B SW846-7010		Flame Atomic Abs Graphite Fumac			g/kg (ppm) ig/kg (ppm)	
	SW846-6010B o		ICP AES		2 mg/kg (ppm)		\ <del>- - </del> -
	5M3111B/SW846-7000B		Flame Atomic Absorption		0.4 mg/L (ppm)		
Wastewater Unpreserved  Preserved with HNO ₃ pH < 2	EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)		
	EPA 200.7		ICP AES			mg/L (ppm)	
Drinking Water Unpreserved  Preserved with HNO ₂ pH < 2	EPA 200.9		Graphile Furnace AA ICP-MS			mg/L (ppm)	<u></u>
Preserved with HNO ₃ pH < 2	EPA 200.8 40 CFR Part 50		ICP-AES			mg/L (ppm)   µg/filter	
TSP/SPM Filter	40 CFR Part 5		Graphile Furnace AA		3.6 µg/filter		
Other			•				
Name of Sampler. (b)(4)		Signa	ture of Sample:	13		4)	
Sample # Locat	ion		Volume/Are			Date/Time S	ampled
\$686 - (h)(4) #26) Inside 6 Containm	ent Prepping 19th this 17th faces		1,000L			6/03/15 8:35a	m 4:55pm
S687 Inside 13th	FI Decon		1,000L			6/03/15 <b>8</b> :35a	m 4:15pm
S688' Outside13th	Fl Decon	1,000L				6/03/15 8:36a	m 4:16pm
S689 Below 13th	FI Decon		1,000L		Ī	6/03/15 8:38a	m 4:18pm
\$690 Outside Exterior Fire Exit 10th FI Below Neg Air Exhaust			910L			6/03/15 8:45a	m 4:20pm
Client Sample #'s   5696 - 56	Scow	z <i>3</i> (و Tota	l # of 5a	mples	12		
Relinquished (Client)	95 S(6W 23 <i>\$</i> Date	6/03/		Tıme		5:30 pm	
Received (Lab): (b)(	4) Date	<u> </u>		Time:		8:45a	m
Comments:	., ===-				•		
			,				

2





## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Otlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S691	(b)(4) (ADS) Dumpster Clean - Up	900L	6/03/15 8:20am 3:50pm
S692	15' Down Wind of Dumpster Clean - Up	900L	6/03/15 8:20am 3:50pm
S693	(ADS) Inbeds East Pier Spot Abatement	440L	6/03/15 5:00pm 8:40pm
S694	Inside Man Lift East Pier Inbeds Spot Abatement	440L	6/03/15 5:00pm 8:40pm
S695	Blank		6/03/15
SCGW235	Inside the 13th Floor Decon	12x12	6/03/15
SCGW236	Outside the 13th Floor Decon	12x12	6/03/15
Comments/S	pecial Instructions:		

Page 2 of 2 pages

NASA	National Aeronautics and Space Administration  John C. Stennis Space Center Stennis Space Center, MS 39529-6000	RACTO	R TRAN	SMITTA	L SHEE		DATE 1	SHEET	June 16, 2015
	SECTION I - REQUEST FO	OR APPR	OVAL (To	be Initiate	ed by the	Contractor		- 01	-
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA  MANUFACTURER'S CERTIFICATES OF CO  (See Instructions on Reverse)	, MATERIAL		PAR ALL CONTRACT	CON	TRACT NO. 14AA30T	X	NEW SUBM	
ТО	FROM			PREVIOUS T	RANSMITT	AL NO. (If Any)	TF	RANSMITTA	L NO.
(b)(4	HARRY PEPPER & ASS				401				
SPECIFICATI 200H0-GA	100 AND SECTION NO. (Cover Only One Section With Each 100) 104 02 82 33.13 20 Air & Wipe Samples College		PROJECT T	ITLE AND LOC		B00-03 SOFT CO	RE PAINTIN	IG	
ITEM NO.	DESCRIPTION OF ITEM SUBMITTED (Type, Size, Model Number, etc.) (See Instruction No. 3)	MANUFACTURER OF ITEM (See Instruction No. 8)		NO OF COPIES	CONTRACT REF DOCUM SPECIFICATION PARAGRAPH NO.	ENT	VARIATION (See Instruction No. 6)	CODE	
(a)	(b)		(c)		(d)	(e)	(f)	(g)	(h)
1	Air & Wipe Samples Collected 6-8-15	ОНС			3	3.4.1.1.c		-	
2	Air & Wipe Samples Collected 6-9-15	ОНС			3	3.4.1.1.c	4	2	1
3	Air & Wipe Samples Collected 6-10-15	ОНС			3	3.4.1.1.c	÷	-	1-
4	Air Samples Collected 6-11-15	ОНС			3	3.4.1.1.c	7-1		1
-				-	- 3			7	
40					- 294	14	- 2	·	
- 24				-	1 21	741	2	-	
				-	-	-	- 4	-	-
REMARKS:	3 Hard Copies included.				detail and a	the above submitted correct and in state of the specifications, excess NAME AND SI	rict conformated as stated. (b)(4)	nce with the co	ontract
	SF	CTION II -	APPROV	AL ACTION	V	IVAIVIE AIVD SI	GIVATORE O	CONTRACTO	/II
ENCLOSURE	ES RETURNED (List by Item No.)			NATURE OF A		AUTHORITY	DATE		

Attached please find the test results for the air and wipe samples collected on June 8, 2015. The Blaster exposure was above the PEL. the blaster was wearing a supplied air respirator and proper protective equipment. All the other air samples were below detection limit. The wipe samples were well within acceptable limits.

(b)(4)

President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone:
Cell:
Email: (b)(4)

www.OHCNET.com<ahttp://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]
Sent: Wednesday, June 10, 2015 1:05 PM
To: (b)(4)
Subject: EMSL report, COC for order(s) (b)(4)
Test Stand)

- Stennis B1 B2

Report, COC for order(s):

(b)(4) - Stennis B1 B2 Test Stand

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Some of the resources EMSL Analytical, Inc. offers to our clients:
LABConnect <a href="https://extranet.emsl.com/">https://extranet.emsl.com/</a> | Order Products <a href="http://www.emsl.com/ProductCatalogHome.aspx">http://www.emsl.com/ProductCatalogHome.aspx</a> | Client Corner<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=477</a> | Additional Resources<

http://www.emsl.com/index.cfm?nav=Pages&ID=421> | Sampling Videos< http://www.emsl.tv>

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(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

06/10/15 8:40 AM

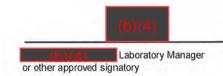
Collected:

6/8/2015

Project: Stennis B1 B2 Test Stand

## Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S717 341505612-0001	6/8/2015 6/10/2015 Site: (A) (A) ADS In	930 L side S Containment Blasting 19th	4.3 μg/m³	420 µg/m³
S718 341505612-0002	6/8/2015 6/10/2015 Site: Inside 13th FI Deco	970 L	4.1 μg/m³	<4.1 μg/m³
S719 341505612-0003	6/8/2015 6/10/2015 Site: Outside 13th FI De	970 L	4.1 μg/m³	<4.1 µg/m³
S720 341505612-0004	6/8/2015 6/10/2015 Site: Below 13th FI Deco	970 L on	4.1 μg/m³	<4.1 µg/m³
S721 341505612-0005	6/8/2015 6/10/2015 Site: Outside Exterior Fi	970 L re Exit 10th FI Below Neg Air	4.1 μg/m³	<4.1 µg/m³
S722 341505612-0006	6/8/2015 6/10/2015 Site: Outside Exterior 10	970 L Oth FI East	4.1 μg/m³	<4.1 μg/m³
S723 341505612-0007	6/8/2015 6/10/2015 Site: Outside Exterior 10	970 L Oth FI West	4.1 μg/m³	<4.1 μg/m³
S724 341505612-0008	6/8/2015 6/10/2015 Site: 18th Floor at Critic	880 L al Barrier	4.5 µg/m³	<4.5 μg/m³
S725 341505612-0009	6/8/2015 6/10/2015 Site: Blank	0 L	4.0 μg/filter	<4.0 μg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter. ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "c" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 06/10/2015 13:04:02



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

06/10/15 8:40 AM

Collected:

6/8/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed Area Sampled	RDL	Lead Concentration
SCGW243	6/8/2015 6/10/2015 144 in ²	10 μg/ft²	<10 µg/ft²
341505612-0010	Site: Inside the 13th Floor Decon		
SCGW244	6/8/2015 6/10/2015 144 in ²	10 µg/ft²	<10 µg/ft²
341505612-0011	Site: Outside the 13th Floor Decon		

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 06/10/2015 13:04:02



## Lead (Pb) Chain of Custody EMSL Order ID (Leb Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

						* · · · · · (407) 5:	
Company Ol	IC Environmental Engin	eering, Inc.		EMSL-B) If Bill to is Diff	il to erent note ins	Different / Same tructions in Comment	
Street, 5420 E	Bay Center Drive Suite 1	00	' π	jird Party Billing red	uires writter	n authorization from third p	arty
City Tampa	State	Province: FL	ZIp/Postal Code. 33609 Country: United States				
Report To (Na	me). (b)(4)	•••——	Telephor	те #- 813-6 <u>26-8</u>	3156	<u>:-</u>	
Email Addres		4)	Fax #	813-623-6702		Purchase Order	:
Project Name	Number Stennis B1 B2	Test Stand	Please P	rovide Results:	FA3	( ✓️I-mail	Mail
U.S State San	nples Taken MS		CT Samp	iles: 🗍 Comme	cial/Taxal	ile 🗌 Residential/Tax	Exempt
		urnaround Time (TA					
□ 3 Ноыг	☐ 6 Hour ■ 24	Hour 48 Hour	- 1 - 7	2 Hour S	8 Hour	☐ 1 Week ☐	2 Week
	Analysis complet	ed in accordance with EMS	Ls Terms a	nd Conditions loca	led in the Pr	içe Guide	
	Matrix	Method		Instrum	ent	Reporting Limit	Check
Chips □ % b	y wt. 🔲 mg/cm³ 🔛 ppm	SVV846-70006	3	Flame Atomic A	bsorption	0.01%	
Air 24 hr		NIOSH 7082	!	Flame Atomic A	bsorption	4 μg/filter	
24 111		NIOSH 7105		Graphite Furn	ace AA	0.03 µg/filter	
<b></b>		NIOSH 7300 mod	lified	ICP-AES/IC	P-MS	0.5 µg/filter	
Wipe* 24h		SVV846-70008	3	Flame Atomic A		10 µg/wipe	
"if no box is	non ASTM [] i checked, non-ASTM	SW848-6010B o		ICP-AE		1.0 µg/wipe	
<u> </u>	Whe is assumed	\$W\$46-7000B/7		Graphite Furn	ace AA	0.075 µg/wipe	
TCLP		SW846-1311/70008/S SW846 1131/SW846-6		Flame Alomic A ICP-AE	<u>-</u>	0.4 mg/L (ppm)	<u> </u>
<u> </u>	<del></del>	\$W846-70008		Flame Atomic A		0.1 mg/L (ppm)	
Soll		SIN946-7010		Graphite Furn		40 <b>mg/</b> kg (ppm) 0.3 mg/ <u>kg</u> (ppm)	├ <del>─ <u></u> </del>
1		SW846-6010B o		ICP-AE		2 mg/kg (ppm)	
	<del></del> -	SM3111B/SW846		Flame Atomic A	_	0.4 mg/L (ppm)	
Wastewater	Unpreserved 🔲	EPA 200.9		Graphite Furn		0.003 mg/L (ppm)	
_ Preserved wi	ith HNO ₃ pH < 2 $\Box$	EPA 200.7		ICP-AE	S	0.020 mg/L (ppm)	
Drinking Wa	ter Unpreserved 🗍	EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)	
Preserved w	ith HNO₃pH ≤ 2 □	EPA 200.8		ICP-MS		0.001 mg/L (ppm)	
TSP/SPM FIR	to:	40 CFR Part 50		ICP.AES		12 µg/filter	
		40 CFR Part 5	<del>(</del> 0	Graphite Furn	ace AA	3.6 µg/filter	
Other.		<u></u>					<u> </u>
Name of San	npler (b)(4)		Signa	ture o <u>f Sa</u> mpli	er	(b)(4)	
Sample #	Locat	ion		Volume/Ar	ea '	Date/Time 9	Sampled
<b>S7</b> 17	ADS) Inside S Containm	ent Blasting 19th thru 17th Acors		930L		6/08/15 9:05a	m 4:50pm
\$718	Inside 13th	FI Decon		970L	·	6/08/15 8.40a	m 4:45pm
S719	Outside13th	FI Decon		970L		6/08/15 8:40a	m 4:45pm
\$720	Below 13th	Below 13th FI Decon				6/08/15 8:41a	m 4:46pm
S721	Outside Exterior Fire Exit 18th	Fi Below Neg Air Exhaust		970L		6/08/15 8:50a	m 4:55pm
Client Samp	le #'s -			Tot	al # of Sa	emples 11	
Relinquished	(Cilent).	Date.	6/08/	15	Time	5:30 pm	
Received (Lat	(D)(	4) Date	0-	10-15	Time	8.40W	
	Dursner was we		HOUD.		1 titilist.		
	all other moder	W IN FULL FACE	·				
1 2	tel samples Run	ar 2.04m.					
		·					

Page 1 of 2 pages



## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only).

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

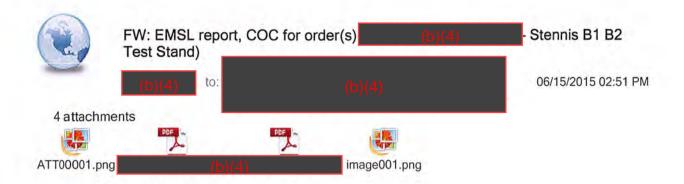
(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S722	Outside Exterior 10th FI East	970L	6/08/15 8:50am 4:55pm
\$723	Outside Exterior 10th FI West	970L	6/08/15 8:50am 4:55pm
S724	18th Floor at Critical Barrier	880L	6/08/15 9:15am 4:35pm
S725	Blank	OL	6/08/15
SCGW243	Inside the 13th Floor Decon	12x12	6/08/15
SCGW244	Outside the 13th Floor Decon	12x12	6/08/15
- Sansa	TAME		
· · · · · · · · · · · · · · · · · · ·			
		- 1111111111111111111111111111111111111	

Page ____of ___pages



Attached please find the test air and wipe sample results for samples collected on June 9. The air samples are all below detection limit. The wipe samples are within acceptable limits.

(h)(4), MS, CIH

President
[cid:image001.png@01CD10DB.A9302780]

OHC Environmental Engineering Inc.
5420 Bay Center Drive

Tampa, Florida 33609

Phone:
(b)(4)

Email: (b)(4)

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Thursday, June 11, 2015 1:05 PM

To: (h)(4)

Subject: EMSL report, COC for order(s) (h)(4)

Test Stand)

- Stennis B1 B2

Report, COC for order(s):

(b)(4) - Stennis B1 B2 Test Stand

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http://www.emsl.com/><http://www.emsl.com/> | Laboratory
Analyst /LaboratoryTechnical Director
 EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804
 Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170
 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

```
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```

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OHC Environmental Engineering, Inc.

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

06/11/15 8:42 AM

Collected:

6/9/2015

Suite 100 Tampa, FL 33609

Attn:

Stennis B1 B2 Test Stand

5420 Bay Center Drive

**Test Report** 

Client Sample Description S726 Lab ID 341505660-0001 Collected:

6/9/2015

ADS Inside S Contai

Method Test Pb-FLAA 7082

Parameter Lead

Analyzed 6/11/2015

Volume 886 L

Concentration <4.5 µg/m³

Client Sample Description

S727

Lab ID 341505660-0002 Collected:

6/9/2015

Inside 13th FI Decon

Method Test Pb-FLAA 7082

Parameter Lead

Analyzed 6/11/2015

Volume 886 1

Concentration <4.5 µg/m³

Concentration

<4.5 µg/m³

Client Sample Description

S728

Lab ID 341505660-0003 Collected:

6/9/2015

Outside 13th FI Decon

Method Test Pb-FLAA 7082

Parameter Lead

Analyzed 6/11/2015

Volume 886 L

Client Sample Description

S729 Below 13th FI Decon Lab ID 341505660-0004 Collected:

6/9/2015

Test Pb-FLAA

Test

Pb-FLAA

Method 7082

Parameter Analyzed Lead 6/11/2015 Volume

886 L

Concentration <4.5 µg/m³

Client Sample Description

S730

Lab ID 341505660-0005 Collected:

6/9/2015

Method

7082

Outside Exterior Fire Exit 10th FI Below

6/11/2015

Analyzed

Volume 900 1 Concentration <4.4 µg/m³

Client Sample Description

S731

Lab ID 341505660-0006 Collected:

6/9/2015

Outside Exterior 10th FI East

Parameter

Lead

Analyzed

Volume

Concentration

Test Pb-FLAA Method 7082

Parameter Lead

6/11/2015

900 L

<4.4 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 06/11/2015 13:04:36



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(407) 599-5887 / (407) 599-9063

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

06/11/15 8:42 AM

Collected:

6/9/2015

Stennis B1 B2 Test Stand

**Test Report** 

Client Sample Description

S732

Lab ID 341505660-0007 Collected:

6/9/2015

Outside Exterior 10th FI West

Method

Parameter

Analyzed

Volume

Concentration

Pb-FLAA

Test

Test

7082

Lead

6/11/2015

900 L

<4.4 µg/m³

Client Sample Description

Client Sample Description

S733 18th Floor at Critical Barrier

Lab ID 341505660-0008 Collected:

6/9/2015

Method

Parameter Analyzed

Volume

870 L

Concentration <4.6 µg/m3

Pb-FLAA

7082

Lead

6/11/2015

6/11/2015

Lab ID 341505660-0009 Collected:

6/9/2015

Test Pb-FLAA Method 7082

Parameter

Inside the 13th Floor Decon

Analyzed

Volume

0 L

Concentration

<4.0 µg/filter

Client Sample Description SCGW245

S734

Blank

Lab ID 341505660-0010 Collected:

6/9/2015

Test Pb-FLAA Parameter Lead

I ead

Analyzed

Area Sampled 6/11/2015 144 in²

Client Sample Description

SCGW246

Lab ID 341505660-0011 Collected:

6/9/2015

Test Pb-FLAA Method 7000B

Method

7000B

Parameter Lead

Outside the 13th Floor Decon

Analyzed

6/11/2015

Area Sampled 144 in²

Concentration 72 μg/ft²

Concentration

110 µg/ft²

Laboratory Manager

or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/fi2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 06/11/2015 13:04:36



EMSL Analytical, inc. 5125 Adanson Street, Suite 90

Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

							1 (407) 5		
	HC Environmenta			EMSL-Bill to: Different V Same					
Street, 5420 E	Bay Center Drive	Suite 10	O.	17:	int Parly Billing mor	uines verittei	n authorization from third j	nadv	
City Tampa		State/F	rovince. FL		Zip/Postal Code 33609 Country: United States				
Report To (Na	ராe), (b)(4)			Telephor	Telephone #: 613-626-8156				
Email Address	9:	(h)(4	1)	1	313-623-6702		Purchase Order	 [	
Project Name	Number Stennis	B1 B2	Fest Stand	Please P	rovide Results.	FAX	E-mail	Mail	
	nples Taken MS	<del></del>	1		les 🗌 Commen	alpi(Taval	ole ☐ Residential/Ta	d v Evennet	
	TOTAL TOTAL	Tı	irnaround Time (TA				Sie 🔲 izesidatitisci s	K EXMITPL	
☐ 3 Hour	∏ □ 6 Hour	■ 24				6 Hour	1 Week	2 Week	
			d in accordance with EMS					1 110011	
	Matrix		Method		Instrume		Reporting Limit	Check	
Chips □ % b	ywt. ☐ mg/cm² [	⊒ рртп	SW846-70008	3	Flame Atomic At	sorption	0.01%		
Air 24 hr.			NIO\$H 7082	•	Flame Atomic At	sorption	4 µg/filter		
			NIOSH 7105		Graphite Furna	oe AA	0.03 µg/filter		
			NIOSH 7300 mad	lified	ICP-AES/ICP	-MS	0.5 µg/filter		
Wipe* 24 hr		-	\$W\$46-70008	3	Flame Atomic At	sorption	10 µg/wipe		
лоп ASTM : [] *If no box is checked, non-ASTM		Ō	5W846-60108 d	or C	ICP-AES	3	1.0 µg/wipe		
	Wips is sesumed		\$W846-7000B/7	010	Graphite Furnace AA		0.075 µg/wipe		
TCLP			SW846-1311/7000B/S		Flame Alomic Ab	<u>-</u>	0.4 mg/L (ppm)		
D att			SW846-1131/SW846-60		ICP-AES Flame Alomic Absorption		0.1 mg/L (ppm)	┞┈╞╡╌┦	
Soil			5W846-70000 5W846-7010	*****			40 mg/kg (ppm)	<del></del>	
			5W846-6010B c		Graphite Fuma ICP-AES		0.3 mg/kg (ppm) 2 mg/kg (ppm)	<del>                                     </del>	
			SM3111B/SW846-		Flame Atomic Ab		0.4 mg/L (ppm)		
Wastewater	Unpreserved		EPA 200.9	. 0000	Graphite Furna		0.003 mg/L (ppm)	<del>▍</del> ▐▀▍▔▍	
i Preserved w I	ith HNO₃ pH < 2		EPA 200.7		ICP-AES		0.020 mg/L (ppm)		
Drinking Wa	ter Unpreserved		EPA 200.9		Graphile Furnace AA		0.003 mg/L (ppm)		
Preserved w	ith HNO ₃ pH $< 2$		EPA 200.8		ICP-MS		0.001 mg/L (ppm)		
TSP/SPM Fil	ter		40 CFR Part 5		ICP-AES		12 µg/filter		
	<del></del>		40 CFR Part 5	0	Graphite Furnace AA		3.6 µg/filter	<u> </u>	
Other [*]		_			<u></u>				
Name of San	npler (b)(4)			Signa	ture of Sample		(b)(4)		
Sample #	<del></del>	Locati	on		Volume/Are	a	Date/Time :	Sampled	
S726	ADS) Insk	de S Contaco	nent Clean-up 19th thru 17th foors		886L		6/09/15 8:52a	ım 4:15pm	
S727	Inside	13th I	I Decon		886L		6/09/15 8:528	ım 4:15pm	
S728	Outsid	le13th	FI Decon		886L		6/09/15 8:528	ım 4:15pm	
\$729	Below 13th Fl Decon			886L		6/09/15 8:43a	ım 4:17pm		
S730	Outside Exterior Fire	Exit 10th	Fl Below Neg Air Exhaust		900L		6/09/15 8:50a	am 4:20pm	
Client Sampi	e#'s \$726	-573	4 SCGW24	Ç 506	w296 Tota	al # of Sa	imples: 11		
Relinquished		b)(4)	Date	6/09/	-	7ime	5:30 pm		
•				<b>-</b>	1 1		8.42am-		
Received (			Date.		<u> </u>	Time:	A · //CCC.	• •	
	( )				• •				





## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887

FAX (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
\$731	Outside Exterior 10th FI East	900L	6/09/15 8:50am 4:20pm
<b>S</b> 732	Outside Exterior 10th Fl West	900L	6/09/15 8:50am 4:20pm
S733	18th Floor at Critical Barrier	870L	6/09/15 8:40am 4:05pm
S734	Blank_		6/09/15
			2122145
SCGW245	Inside the 13th Floor Decon	12x12	6/09/15
SCGW246	Outside the 13th Floor Decon	12x12	6/09/15
	,		
		·····	
, ,			
		·····	
•			

Page 2 of 2 pages



FW: EMSL report, COC for order(s)

(b)(4)

- Stennis B1 B2

Test Stand)

(b)(4)

ti

b)(4)

06/15/2015 02:45 PM

Attached please find test results for air and wipe samples collected on June 10, 2015. The personnel sample indicated exposure level above the PEL, this individual is a helper and was wearing a full face respiratory protection which is adequate for the exposure level . All area air samples are below the detection limit. The wipe sample are all well within acceptable.

(b)(4) MS, CIH

President

[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.

5420 Bay Center Drive Tampa, Florida 33609

Phone:

Cell: (b)(4)

Email:

(b)(4)

www.OHCNET.com<ahttp://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Friday, June 12, 2015 1:54 PM

To: (b)(4)

Subject: EMSL report, COC for order(s)

(b)(4) - Stennis B1 B2

Test Stand)

Report, COC for order(s):

(b)(4) - Stennis B1 B2 Test Stand

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<http://www.emsl.com/>[cid:f572d16f-c5d0-45cb-93c9-2a0fdb66f5ba]

http://www.emsl.com/><http://www.emsl.com/> (b)(4) | Laboratory

Analyst /LaboratoryTechnical Director

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804

Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical, Inc. offers to our clients:

LABConnect <a href="https://extranet.emsl.com/">https://extranet.emsl.com/"> Order Products < https://extranet.emsl.com/</a>

http://www.emsl.com/ProductCatalogHome.aspx> | Client Corner<

http://www.emsl.com/index.cfm?nav=Pages&ID=420> | Training<

http://www.emsl.com/index.cfm?nav=Pages&ID=477> | Additional Resources<

http://www.emsl.com/index.cfm?nav=Pages&ID=421> | Sampling Videos< http://www.emsl.tv>

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5125 Adanson Street, Suite 900, Orlando, FL 32804 (407) 599-5887 / (407) 599-9063 Phone/Fax

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

06/12/15 8:45 AM

Collected:

6/10/2015

**Test Report** 

Client Sample Description

S735

Lab ID 341505711-0001 Collected:

6/10/2015

ADS Inside S Containme

Method 7082

Parameter Lead

Analyzed 6/12/2015 Volume 1360 L Concentration

280 µg/m³

Client Sample Description

Lab ID 341505711-0002 Collected:

6/10/2015

Inside 13th FI Decon

Test Method Pb-FLAA 7082

Parameter I ead

Analyzed 6/12/2015 Volume 1360 L Concentration

<2.9 µg/m³

Client Sample Description

S737

Lab ID 341505711-0003 Collected:

6/10/2015

Outside 13th FI Decon

Below 13th FI Decon

Test Pb-FLAA

Test

Pb-FLAA

Method Parameter 7082 Lead

Analyzed 6/12/2015

Volume 1360 L Concentration

<2.9 µg/m³

Client Sample Description

S738

Lab ID 341505711-0004 Collected:

6/10/2015

Test Pb-FLAA

Pb-FLAA

Method 7082

Parameter Lead

Volume 6/12/2015

1360 L

Concentration

Concentration

<3.5 µg/m³

<2.9 µg/m³

Client Sample Description

S739

Lab ID 341505711-0005 Collected:

6/10/2015

Test Method

Parameter Lead

Outside Exterior Fire Exit 10th FI Below

Analyzed 6/12/2015

Analyzed

Volume 1146 L

Client Sample Description

S740

7082

Lab ID 341505711-0006 Collected:

6/10/2015

Outside Exterior 10th FI East

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 6/12/2015 Volume 1146 L

Concentration

<3.5 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested, Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 06/12/2015 13:52:42



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

7082

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

06/12/15 8:45 AM

Collected:

6/10/2015

**Test Report** 

Client Sample Description

Lab ID 341505711-0007 Collected:

6/10/2015

Outside Exterior 10th FI West

Test Method

Parameter

Analyzed

6/12/2015

Volume 1146 L Concentration

Client Sample Description

Lab ID 341505711-0008 Collected:

6/10/2015

18th Floor at Critical Barrier

Lead

Method

Parameter Lead

Analyzed 6/12/2015 Volume 1078 L

Concentration

<3.5 µg/m³

<3.7 µg/m³

Client Sample Description S743

Volume

Lab ID 341505711-0009 Collected:

6/10/2015

Concentration

<4.0 µg/filter

Pb-FLAA

Test

Pb-FLAA

Test

Pb-FLAA

Method 7082

7082

Parameter Lead

Analyzed 6/12/2015

0 L

Client Sample Description SCGW247

Lab ID 341505711-0010 Collected:

6/10/2015

Test Pb-FLAA Method

7000B

Inside the 13th Floor Decon Parameter

Lead

Analyzed

Area Sampled 6/12/2015 144 in²

83 µg/ft²

Concentration

Client Sample Description SCGW248

Lab ID 341505711-0011 Collected:

6/10/2015

Outside the 13th Floor Decon

Test Pb-FLAA Method 7000B

I ead

Parameter Analyzed 6/12/2015

Area Sampled 144 in²

Concentration 27 µg/ft²

For Project Stennis B1 B2 Test Stand Sample S735 Filter Shredded with Embedded Debris on Backing Pad, Filter S735 Analyzed

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/fl2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in jugff? which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 06/12/2015 13:52:42

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



## Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

ENISE OIGHT ID (Lab ose Univ):

Orlando, FL 32804 PHONE: (407) 599-5887 FAX (407) 599-9063

												98-9009
	(C Environmental			ı¢.			ISL-Bill to is Differe			rent 🗸 in Comm <b>ens</b>		
Street 5420 B	Bay Center Drive 5	Suite 10	O		Third Party Billing requires written authorization from third party							
City: Tampa		State/P	rovince:	FL	Zip/Postal Code, 33609 Country United States							
Report To (Name). (b)(4)				İ	Telephor	ie# 813	-626-81 <del>!</del>	56				
Email Address	:	(h)(4	)		Fax#. ₹	313-623-6	3702			urchase	Order:	
	Number Stennis	B1 B2 1	Fest Sta	nd	Piease P	rovide Re	sulta [	FA	·	E-mail		Mail
	ples Taken MS				CT Samp			al/Taxat	ole 🗀	Residenti	al/Tax	Exempt
		Tu	ırnarou	nd Time (TA								
3 Hour	☐ 6 Hour	<b>a</b> 24		48 Hou		2 Hour	□ 96			1 Week	1 🗆	2 Week
		complete	d in accon	dance with EMS	L's Tarms a	nd Conditio	ns located	in the Pr				
	Matrix			Method		Ins	strumen	ıt	Rep	orting L	emut	Check
	y wt. 🗌 mg/cm² 📋	] pom		SW846-70008	3	Flame A	tomic Abs	orplion		0.01%		
Air 24 hr.				NIOSH 7082	!	Flame A	tomic Abs	orption		4 µg/filter		
			ļ .	NIOSH 7105			te Furnec			03 µg/filte		
			N.	IOSH 7300 mod			AES/ICP-I			.5 µg/filte		
<b>Wipe*</b> 24 <b>↓</b> √	ASTM			SW846 70008	<del>-</del>		tomic Abs	omion		0 μg/wipe		
'if no tros is	non ASTM SW846-6010B or sis checked, non-ASTM				CP-AES			.0 μg/wip				
	Wipe is assumed			SW846-7000B/7010		Graphite Furnace AA		0.075 µg/wipe				
			SW846-1311/7000B/SM 3111B SW846-131/SW846-6010B or C		Flame Atomic Absorption ICP-AES		0.4 mg/L (ppm) 0.1 mg/L (ppm)					
Soil			344040	SW846-7000			tomic Abs	omlina		ng/kg (pt		<del>   </del>
[2011				SW846 7010			ite Furnac			mg/kg (p)		
				SW846-6010B d	or C		CP-AES	,	2 mg/kg (ppm)			
Wastewater	Unpreserved		SM	3111B/SW846-	7000B		tomic Abs		0.4 mg/L (ppm)			
_	ith HNO ₃ pH < 2	H	EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)			L <b>:</b> ⊨		
		_		EPA 200.7		ICP-AES Graphite Furnace AA		0.020 mg/L (ppm)				
	ter Unpreserved ith HNO ₃ pH < 2			EPA 200.9 EPA 200.8		ICP-MS		0.003 mg/L (ppm) 0.001 mg/L (ppm)				
				40 CFR Part 5	;O	ļ	CP-AES			2 µg/filte		
TSP/SPM FIN	ter			40 CFR Part 5	SØ .	Graphite Furnace AA			6 µg/filte			
Other					***							
Name of San	npler: (b)(4)				Signa	ture of S	ampler					
Sample #		Locati	on	• •		Volu	me/Area	·		Date/T	ime \$	ampled
S735	(b)(4) ADSi riside S	S Contenne	ini Clear-up :	1955 JPro F7th floors		13	360L			6/10/15	5: <b>40a</b>	m 5:00pm
S736	Inside	13th I	FI Deco	on		13	360L		,	6/10/15	5:40a	m 5:00pm
S737	Outside13th Fl Decon		1360L			6/10/15	5:40a	m 5:00pm				
S738	Below 13th Fl Decon		1360L		6/10/15	5:42a	m 5:02pm					
S739	Outside Exterior Fire	Exit 10th	FI Below N	leg Air Exhaust		1	146L	. <b>-</b>		6/10/15	6-02a	m 5:35pm
Client Samp	le#'s ;5735	-\$79	3 5	CGW 241	544w	248	Total	# of Sa	ımple	<b>6</b> : 11		
Relinquished				Date	6/10/	15		Time	•	5:30 p	m	_
Received (Lat	,			Date:	6/12/15 Time.			8:45am				
Commenta	**			1			1				_	



# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

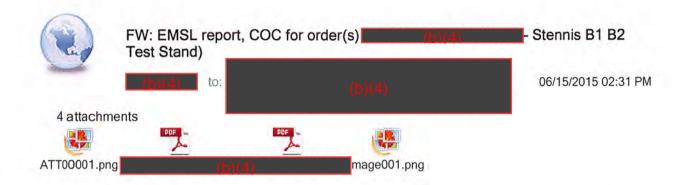
(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S740	Outside Exterior 10th Fl East	1146L	6/10/15 6:02am 5:35pm
\$741	Outside Exterior 10th Fl West	1146L	6/10/15 6:02am5:35pm
S742	18th Floor at Critical Barrier	1078L	6/10/15 5:51am 4:50pm
S743	Blank		6/10/15
SCGW247	Inside the 13th Floor Decon	12x12	6/10/15
SCGW248	Outside the 13th Floor Decon	12x12	6/10/15
Comments/Sp	pecial Instructions:	, , , , , , , , , , , , , , , , , , , ,	

 $_{\text{Page}}\,\underline{2} \quad \text{ of }\underline{2} \quad \text{ pages}$ 



Attached please find the test results for the air samples collected on June 11, 2015. All the samples are well within acceptable ranges.

President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone:
Cell:
Email: (b)(4)

www.OHCNET.com<http://www.ohcnet.com/>

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Sent: Monday, June 15, 2015 2:54 PM
To: (h)(A)
Subject: EMSL report, COC for order(s)
Test Stand)

Subject: EMSL report, COC for order(s)

Report, COC for order(s):

- Stennis B1 B2 Test Stand

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Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170
Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

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```
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5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

06/15/15 8:49 AM

Collected:

6/11/2015

**Test Report** 

Client Sample Description

S744

Lab ID 341505751-0001 Collected: 6/11/2015

18th Floor at Critical Barrier

Test

Method

Stennis B1 B2 Test Stand

Parameter

Analyzed

Volume

Concentration

Pb-FLAA

7082

Lead

6/15/2015

1474 L

<2.7 µg/m³

Client Sample Description

Lab ID 341505751-0002 Collected:

ADS Inside S Containment

Concentration

Pb-FLAA

Test

Test

Pb-FLAA

Method 7082

Parameter I ead

Analyzed 6/15/2015 Volume 1308 L

4.8 µg/m³

Client Sample Description

S746

Lab ID 341505751-0003 Collected:

6/11/2015

Inside 13th FI Decon

Method

Parameter

Lead

Analyzed 6/15/2015

Volume 1308 L Concentration

<3.1 µg/m³

7082

Client Sample Description S747

Lab ID 341505751-0004 Collected:

6/11/2015

Test Pb-FLAA

Test

Pb-FLAA

Pb-FLAA

Method 7082

Outside 13th FI Decon Parameter

Lead

Analyzed 6/15/2015 Volume 1308 L Concentration

<3.1 µg/m³

<3.1 µg/m³

Client Sample Description

S748

Lab ID 341505751-0005 Collected:

6/11/2015

Method 7082

Below 13th FI Decon

Parameter Lead

Analyzed 6/15/2015 Volume 1308 L Concentration

Client Sample Description

S749

Lab ID 341505751-0006 Collected: Outside Exterior Fire Exit 10th FI Below

6/11/2015

Test

Method 7082

Parameter Lead

Analyzed 6/15/2015 Volume 1274 L Concentration <3.1 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 06/15/2015 14:52:47



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

06/15/15 8:49 AM

Collected:

6/11/2015

**Test Report** 

Client Sample Description

Lab ID 341505751-0007 Collected: 6/11/2015

Outside Exterior 10th FI East

Test Method Pb-FLAA 7082

Parameter

Lead

Analyzed

Volume

6/15/2015

1274 L

Concentration <3.1 µg/m³

S751

Lab ID 341505751-0008 Collected:

6/11/2015

Outside Exterior 10th FI West

Test Method

Client Sample Description

7082

Parameter Lead

Analyzed 6/15/2015 Volume 1274 L Concentration

<3.1 µg/m³

Client Sample Description

S752

Lab ID 341505751-0009 Collected:

6/11/2015

Method 7082

Method

7000B

Parameter Lead

Analyzed 6/15/2015 Volume 0 L

Concentration

<4.0 µg/filter

Concentration

140 µg/ft²

Client Sample Description

SCGW249

Lab ID 341505751-0010 Collected:

6/11/2015

Test Pb-FLAA

Pb-FLAA

Test

Pb-FLAA

Inside the 13th Floor Decon Parameter

Outside the 13th Floor Decon

Lead

Analyzed 6/15/2015

Area Sampled 144 in²

Client Sample Description SCGW250

Lab ID 341505751-0011 Collected:

6/11/2015

Test Pb-FLAA Method Parameter 7000B Lead

Analyzed 6/15/2015

Area Sampled 144 in²

Concentration 76 µg/ft²

Laboratory Manager

or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft* whe inalytical method limitations of the reporting of the provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. ""c" (less than) results signifies that signifies that was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 06/15/2015 14:52:47



## Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Material Prices	FOR THE PROPERTY.	L,		(0)	(4)					FAX: (407) 59		
Campany, OH	IC Environmenta	I Engine	ering, In		<u> </u>		MSL-Bil	l to.	Diffe	rent 🗸 Same		
	ay Center Drive				If Bill to is Different note instructions in Commens"  Third Party Billion requires written authorization from third party							
City Tampa			rovince	FL	Third Party Billing requires written authorization from third party  Zip/Postal Code. 33609 Country: United States							
Report To (Na	ms). (h)(4)		10111100	', <del>-</del>	Telephone #: 813-626-8156						-	
Email Address	(6)(1)	/I= \ / /	N.		Fax #: 8			130	۔ ا			
	Number: Stennis	E1 B2	Test Star	nd				FAX		Purchase Order  B-mail	Mail	
		0102	real Olei	<u></u>	Please Pr			<u> </u>	<u> </u>			
U.S. State San	nples Taken, MS	Т,	INDERALIE	nd Time (TA					) ia [	Residential/Tax	Exem	pt
☐ 3 Hour	6 Hour	24		ي بري Hour 🗖 🗖		ıs - Fiei 2 Hour		6 Hour	<u> </u>	1 Waek	2 Wee	ık
				lance with EMS	. —		_				2 1100	
	Matrix			Method			strume			orting Limit	Che	ck
Chips 🗆 % by	y wt. 🗌 mg/cm' [	ppm		SW846-70006	8	Flame	Alamic Al	sorption		0.01%	П	
Air 24 hr.				NIOSH 7082	}	Flame	Alamic Al	sorption		4 μg/filter		_
24 nr.			r	NIOSH 7105	}	Grap ⁱ	hite Furna	ace AA		03 µg/filter		$\vdash$
			NI	OSH 7300 mod			-AES/ICF			.5 μg/filter		<u> </u>
Wipe*	ASTM	<b>3</b>		SW846-70001	В	Flame /	Alomic Al	sorption		0 μg/wipe		]
non ASTM 🗍			5W846-6010B or C		or C	ICP-AES		1.0 µg/wipe			)	
Wipe is assumed		Ī	SW846-7000B/7010		Graphite Furnace AA		0.075 μg/wipe					
TCLP		SW846-1311/7000B/SM 3		SM 31118	Flame /	Alomic At	sorption	0.4 mg/L (ppm)				
			SW8464	1131/5W846-8	010B or C		ICP-AES		0.1	mg/L (ppm)		
Soil				SW846-70008			ભomic At	` '		ng/kg (ppm)		
				\$W846-7010		Grapi	hite Furna			wa ₍ ka (bbw)	<u> </u>	
***				W846-6010B c			ICP-AES			ng/kg (ppm)		<u> </u>
Wastewater	Unpreserved		SM31118/SW846-70 EPA 200.9		7000B		Atomic At hite Furns			mg/L (ppm)		
Preserved wi	ith HNQ ₃ pH < 2			EPA 200.9		Glapi	ICP AES			3 mg/L (ppm) 0 mg/L (ppm)	╅	
Drinking Wat	ter Unpreserved			EPA 200.9		Grapi	hite Furna			3 mg/L (ppm)		
	th HNO₃pH < 2			EPA 200.8			ICP MS			1 mg/L (ppm)		
TSP/SPM Fill	er			40 CFR Part 5	<del>i</del> 0		ICP-AES	3		2 µg/filter		
				40 CFR Part 5	<b>ж</b> 0	Graphite Furnace AA		ice AA	3.	.6 µg/filter		
Other							<u> </u>					
Name of Sam	pler. (b)(4)				Signa	ture of			(b)(	(4)		
Sample #		Location	on				me/Ara	a '		Date/Time S	ample	ed
S744	18th Floo	or at Cr	itical Ba	arrier		1	474L			6/11/15 6:15a	m 6:32	2pm
S745 (h) (/// ADS) Inside S Contemment Clear-up 19th thru 17th floors		İ	1	308L			6/11/15 6:21a	m 5:16	5pm			
S746	inside	= 13th F	FI Decon			1	308L			6/11/15 6:21a	m 5:15	⊇bw 
S747	47 Outside13th FI Decon		1308L			6/11/15 6:21am 5:15pm						
S748	Below	v 13th I	Fl Deco	n		1	308L			6/11/15 6:23a	<u></u> m 5:17	7pm
Client Sampl	e#s   5744	-57	52 S	CGW 249	SCEW	250	Tot	al # of Sa	mples	5, 11		
Relinquished			•	Date [,]	6/11/	15	-	Time		5:30 pm		
	()				61	15/1				F. 49.46		
Received (Lab Comments	·}-			Date:	10/	771	)	Time:		1 1144		
ł.												

Page 1 of 2 pages



## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887

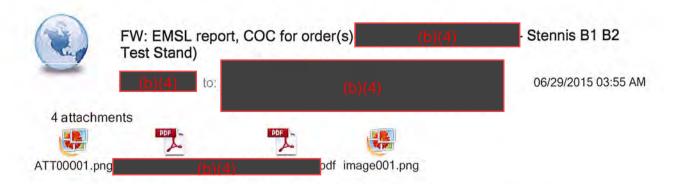
FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S749	Outside Exterior Fire Exit 10th FI Below Neg Air Exhaust	1,274L	8/11/15 6:28am 5:05pm
S750	Outside Exterior 10th Fl East	1,274L	6/11/15 6:28am 5:05pm
S751	Outside Exterior 10th Fl West	1,274L	6/11/15 6:28am 5:05pm
S752	Blank		6/11/15
SCGW249	Inside the 13th Floor Decon	12x12	6/11/15
SCGW250	Outside the 13th Floor Decon	12x12	6/11/15
-			
_			
Comments/S	pecial instructions		

Page 2 of 2 pages

NASA	National Aeronautics and Space Administration  John C. Stennis Space Center Stennis Space Center, MS 39529-6000	CONTRACTOR TRANSMITTAL SHEET					DATE July 1, 2015  SHEET 1 OF 1		
	SECTION I -	REQUEST FOR APP	ROVAL (To	be Initiate	ed by the	Contractor)			
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR  MANUFACTURER'S CERTIFICATES OF COMPLIANCE  (See Instructions on Reverse)			CONTRACT NO. NNS14AA30T		X NEW SUBMITTAL  0 RESUBMITTAL			
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(b)(4	4) HARRY	PEPPER & ASSOCIATES	ASSOCIATES, INC.			0		411	
SPECIFICATI 200H0-GA	ON AND SECTION NO. (Cover Only One Se 04 02 82 33.13 20 Air & Wipe		PROJECT T	TITLE AND LOC		800-03 SOFT CO	RE PAINTIN	IG	
ITEM NO.	DESCRIPTION OF ITEM SUBM (Type, Size, Model Number, 6 (See Instruction No. 3)	IITTED MA	MANUFACTURER OF ITEM (See Instruction No. 8)		NO OF COPIES	CONTRACT REF DOCUM SPECIFICATION PARAGRAPH NO.		VARIATION (See Instruction No. 6)	ACTION CODE (See Instruction No. 9
(a)	(b)		(c)		(d)	(e)	(f)	(g)	(h)
1	Air & Wipe Samples Collected 6-19-15	OHC			3	3.4.1.1.c	-	n	
2	Air & Wipe Samples Collected 6-20-15	ОНС	ОНС		3	3.4.1.1.c	-	251	
3	Air & Wipe Samples Collected 6-22-15	ОНС	ОНС		3	3.4.1.1.c	-	44	4-1
4	Air & Wipe Samples Collected 6-23-15	ОНС	ОНС		3	3.4.1.1.c	-	-	1,3
5	Air & Wipe Samples Collected 6-24-15	ОНС			3	3.4.1.1.c	-	-	2
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		-		-		31	E 45	9	J 5
		1- (		-	-				(4)
REMARKS:	3 Hard Copies included.	detail and are correct and in standard drawings & specifications, ex				itted items have been reviewed in strict conformance with the contract cept as stated.  (b)(4)  SIGNATURE OF CONTRACTOR			
		SECTION I	- APPRO	AL ACTIO	V				
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, T	TITLE, AND SIG	GNATURE OF A	APPROVING	AUTHORITY	DATE		



Attached please find the test results for the air and wipe samples collected on June 19, 2015. All the air samples are below detection limit. All the wipe samples are within acceptable levels.

(h)(4) MS, CIH

President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone:
Cell:
Email: (b)(4)

www.OHCNET.com<http://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Tuesday, June 23, 2015 1:34 PM

To: (b)(4)

Subject: EMSL report, COC for order(s) (b)(4) - Stennis B1 B2

Test Stand)

Report, COC for order(s):

(b)(4) - Stennis B1 B2 Test Stand

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<http://www.emsl.com/>[cid:ab3ae174-4f3b-4e90-aafa-b20017fc29a5]
http://www.emsl.com/><http://www.emsl.com/>
Analyst /LaboratoryTechnical Director

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804 Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

```
Some of the resources EMSL Analytical, Inc. offers to our clients: LABConnect <a href="http://extranet.emsl.com/">http://extranet.emsl.com/</a> | Order Products <a href="http://www.emsl.com/ProductCatalogHome.aspx">http://www.emsl.com/ProductCatalogHome.aspx</a> | Client Corner<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=421</a> | Sampling Videos<a href="http://www.emsl.tv">http://www.emsl.tv</a>
```

______

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5125 Adanson Street, Suite 900, Orlando, FL 32804 (407) 599-5887 / (407) 599-9063

Phone/Fax:

orlandolab@emsl.com http://www.EMSL.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156

Received:

(813) 623-6702 06/23/15 9:19 AM

Collected:

6/19/2015

**Test Report** 

Client Sample Description

S806

Lab ID 341506072-0001 Collected:

6/19/2015

18th Floor At Critical Barrier

Test Method

Parameter

Lead

Analyzed 6/23/2015 Volume 882 L

Concentration <4.5 µg/m³

Client Sample Description

S807

Lab ID 341506072-0002 Collected:

6/19/2015

(ADS) Inside The Work

Volume

Concentration

Pb-FLAA

Test

Test

Pb-FLAA

Pb-FLAA

Method 7082

7082

Parameter Lead

Analyzed 6/23/2015

890 L

<4.5 µg/m3

Client Sample Description

Lab ID 341506072-0003 Collected:

6/19/2015

Inside 13th FI Decon

Method

7082

Parameter

I ead

Analyzed

6/23/2015

Analyzed

6/23/2015

Volume 890 L Concentration

<4.5 µg/m3

Client Sample Description

S809

Lab ID 341506072-0004 Collected:

6/19/2015

Test Pb-FLAA Method 7082

Outside 13th FI Decon Parameter

Volume 890 1 Concentration

Concentration

<4.5 µg/m³

<4.5 µg/m³

Client Sample Description

S810

Lab ID 341506072-0005 Collected:

6/19/2015

Below 13th FI Decon

Parameter

Analyzed

Volume 890 L

Pb-FLAA

Test

7082

Method

Lead

Lead

6/23/2015

Client Sample Description

S811

10th Floor Exterior Center

Lab ID 341506072-0006 Collected:

6/19/2015

Test Pb-FLAA

Method 7082

Parameter Lead

Analyzed 6/23/2015 Volume 890 L Concentration <4.5 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA, Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method This report relates only to those Items tested. Samples received in good condition unless otherwise noted. limitations This report may not be reproduced except in full, without written approval by EMSL imitations. This report may not be reproduced except in full, without written approval by Emba. This report reades only to make tening to indeed tening testing testing the control of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the product of the Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 06/23/2015 13:33:03



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fav (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

06/23/15 9:19 AM

Collected:

6/19/2015

Project: Stennis B1 B2 Test Stand

**Test Report** 

Client Sample Description S812 Lab ID 341506072-0007 Collected:

6/19/2015

Volume

Concentration

Pb-FLAA

Test

Method 7082

Parameter Lead

Analyzed 6/23/2015

0 L

<4.0 µg/filter

Client Sample Description

SCGW263

Lab ID 341506072-0008 Collected:

6/19/2015

Outside 9th Floor Exterior Tunnel Roof

Parameter

Analyzed

Area Sampled

Concentration

Pb-FLAA

Test

Method 7000B

Lead

6/23/2015

144 in²

580 µg/ft2

Client Sample Description

SCGW264

Lab ID 341506072-0009 Collected:

6/19/2015

Inside The 13th Floor Decon

Area Sampled

Concentration

Test Pb-FLAA Method 7000B

Method

7000B

Parameter I pad

Analyzed 6/23/2015

144 in²

35 µg/ft2

Client Sample Description

SCGW265

Lab ID 341506072-0010 Collected:

6/19/2015

Concentration

Test Pb-FLAA Outside The 13h Floor Decon

Parameter

Lead

Analyzed

Area Sampled 6/23/2015

144 in²

46 µg/ft²

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe, ug/wipe = ug/ft/2 x area sampled in ft/2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in ug/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 06/23/2015 13:33:03

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



## Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE: (407) 599-5887

								99-9063	
Company  OHC Environmental Engineering, Inc.  EMSL-Bill to Different / Same If Bill to is Different only instructions in Comments*									
Street, 5420 Bay Center Drive Suite 100				Third Party Billing requires written authorization from third party					
City.Tampa		Province: FL		1 Code: 33609		Country U			
Report To (Nan	(b)(4)	<del></del>	- · <del>-</del>	e# 813-626-81	 156				
				Fax # 813-623-6702 Purchase Order:					
Project Name/Number Stennis B1 B2 Test Stand			<del></del>	rovide Results			Mail		
U.S. State Samples Taken: MS				CT Samples Commercial/Taxable Residential/Tex Exem				Exempl	
Turnaround Time (TAT) Options* - Please Check									
☐ 3 Hour		Hour 48 Hour			Hour	1 Week		2 Week	
	*Analysis comp/ele	d in accordance with EMS	il, a Terms e	na Conditions locate	d in the Pri				
	Matrix	Method		instrume	nt	Reporting Li	mıt	Chack	
Chips ☐ % by	wtmg/cm²ppm	SW846-70008	В	Flame Atomic Ab	sorption.	0.01%			
Air 24 hr		NIOSH 7082		Flame Atomic Absorption		4 µg/filter			
		NIOSH 7105 NIOSH 7300 modified		Graphila Funace AA, ICP-AES/ICP-MS		0.03 µg/filter 0.5 µg/filter		└ <b>─╞╃</b> ─	
100 0 2 4		SW846-7000i		Flame Atomic Ab		0.5 μg/wipe			
Wipe* 2#	MTSA non	<u> </u>		ICP-AES		1.0 μg/wipo			
'if no box is checked, non-ASTM		SW846-60108 or C SW846-7000B/7010				0.075 µg/wipe		┝	
Wipe is manumed		SV/846-1311/7000B/SM 3111B		Graphite Furnace AA Flame Alomic Absorption		0.4 mg/L (ppm)		<del>  </del>	
104		SW846-1131/5W846-6		ICP-AES		0.1 mg/L (pp			
Soil	Soil		SW846-7000B		Flame Atomic Absorption		40 mg/kg (ppm)		
)		SV/846-7010		Graphite Fuma		0.3 mg/kg (p)	pm) -		
		5W846-6010B		ICP-AES		2 mg/kg (pp			
Wastewater	Wastewater Unpreserved [		SM31118/SW848-7000B		Flame Alomic Absorption		0.4 mg/L (ppm)		
Preserved wit	th HNO₃pH < 2 ☐	EPA 200.9  EPA 200.7		Graphite Furnace AA ICP-AES		0.020 mg/L (ppm) 0.020 mg/L (ppm)		<del>┈╞╸</del> ┈┈	
Drinking Wat	er Unpreserved	EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)			
	th <u>H</u> NO₃ pH < 2 □	EPA 200.8		ICP-MS		0.001 mg/L (ppm)			
TSP/SPM File			40 CFR Part 50		ICP AES				
	<del></del>	40 CFR Part 8	50	Graphite Furna	ICS AA	3.6 µg/filte	<u> </u>	┝╌╞╃╼╴	
Other.				<u></u>					
Name of Sam			Signa	ture of Sample		(b)(4)			
Sample#	Locat		<u> </u>	Volume/Are	<u>a /</u> _			Sampled_	
<u> </u>	18th Floor at Critical Barrier		8821			6/19/15 8:40am 4:01pm			
S807	(b)(4) (ADS)Inside the work area under repair		890L			6/19/15 8:45am 4:10pm			
\$808	Inside 13th Fl Decon		890L			6/19/15 8:45am 4:10pm			
S809	Outside13th Fl Decon					6/19/15 8:45am 4:10pm			
S810	Below 13th			890L			8:46a	m 4:11pm	
Client Sample #'s S806 - 5 512 SC6W263 - SC6W 265 Total # of Samples: (40)									
Relinquished	(Client); (b)(4)	Date	6/19/	15	Time'	5:30 p	m_		
Received (La		<u>Date</u>	_[ (0)	23/15_	Tlme:	<u>4:19am</u>			
Comments	(b)(4)		1	ı					
<u></u>									





## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

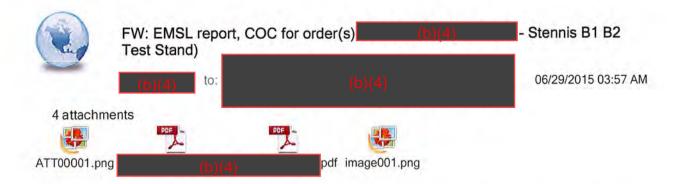
Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

(b)(4)

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S811	10th Floor Exterior Center	890L	6/19/15 8:50am 4:15pm
\$812	Blank	OL	6/19/15
SCGW263	Outside 9th FI Exterior Tunnel Roof	12x12	6/19/15
SCGW264	Inside the 13th Floor Decon	12x12	6/19/15
SCGW265	Outside the 13th Floor Decon	12x12	6/19/15
			<del>-                                    </del>
		<u> </u>	
			<del></del>
<del></del>			
, , , , , , , , , , , , , , , , , , ,			
<u> </u>		· <del></del>	
!			
Commenta/S	pecial instructions		
,   			

Page 2 of 2 pages



Attached please find the test results for the air and wipe samples collected on June 20, 2015. All the air are below detection limit. All the wipe samples are well within acceptable limits.

President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone:
(b)(4)
Email: (b)(4)

www.OHCNET.com<a href="http://www.ohcnet.com/">
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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Tuesday, June 23, 2015 1:32 PM

To: (h)(4)

Subject: EMSL report, COC for order(s) (b)(4) - Stennis B1 B2

Test Stand)

Report, COC for order(s):

(b)(4) - Stennis B1 B2 Test Stand

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<http://www.emsl.com/>[cid:9677d7de-b87e-48c3-bb18-7fd206c95b07]<http://www.emsl.com/><http://www.emsl.com/> Laboratory
Analyst /LaboratoryTechnical Director

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804 Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

```
Some of the resources EMSL Analytical, Inc. offers to our clients: LABConnect <a href="https://extranet.emsl.com/">https://extranet.emsl.com/</a> | Order Products <a href="http://www.emsl.com/ProductCatalogHome.aspx">http://www.emsl.com/ProductCatalogHome.aspx</a> | Client Corner<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=477</a> | Additional Resources<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=421">http://www.emsl.com/index.cfm?nav=Pages&ID=421</a> | Sampling Videos<a href="http://www.emsl.tv">http://www.emsl.tv</a>
```

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5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702

06/23/15 9:19 AM

Collected:

6/20/2015

**Test Report** 

Client Sample Description

S813

Lab ID 341506071-0001 Collected:

6/20/2015

18th Floor At Critical Barrier

Test Pb-FLAA 7082

Method

Parameter

Lead

Analyzed 6/23/2015 Volume 922 L

Concentration

<4.3 µg/m³

Client Sample Description

Lab ID 341506071-0002 Collected:

6/20/2015

Inside The Work Area Under Repair

Test Method Pb-FLAA

7082

Parameter Lead

Analyzed 6/23/2015 Volume 908 1 Concentration

<4.4 µg/m³

Client Sample Description

S815 Inside 13th FI Decon

Lab ID 341506071-0003 Collected:

6/20/2015

Test Pb-FLAA Method 7082

Parameter

Lead

Analyzed 6/23/2015 Volume 908 L Concentration

<4.4 µg/m³

Client Sample Description

S816

Lab ID 341506071-0004 Collected:

6/20/2015

Test

Pb-FLAA

Test

Test

Pb-FLAA

Pb-FLAA

Method 7082

Outside 13th FI Decon Parameter

Lead

Analyzed 6/23/2015 Volume 908 L

Concentration <4.4 µg/m³

Client Sample Description

Lab ID 341506071-0005 Collected:

6/20/2015

Below 13th FI Decon

Parameter

Analyzed

Volume 908 1 Concentration <4.4 µg/m³

Client Sample Description

S818

Method

7082

Lab ID 341506071-0006 Collected:

6/20/2015

10th FI Exterior Center

Method

7082

Parameter Lead

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

I ead

Analyzed 6/23/2015

6/23/2015

Volume 900 L Concentration <4.4 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

(Initial Report From 06/23/2015 13:31:28



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

06/23/15 9:19 AM

Collected:

6/20/2015

**Test Report** 

Client Sample Description

Lab ID 341506071-0007 Collected:

6/20/2015

Blank

Method

Parameter

Analyzed

Volume

Concentration

<4.0 µg/filter

Pb-FLAA

Test

7082

Lead

6/23/2015

0 L

Client Sample Description

SCGW266

Inside The 13th Floor Decon

Lab ID 341506071-0008 Collected:

6/20/2015

Concentration

Test Pb-FLAA

Test

Pb-FLAA

Method 7000B

Parameter Lead

Analyzed 6/23/2015 Area Sampled 144 in²

110 µg/ft2

Client Sample Description

SCGW267

Lab ID 341506071-0009 Collected:

Method

7000B

Outside The 13th Floor Decon

Lead

Parameter

Analyzed 6/23/2015

Area Sampled 144 in²

Concentration

42 µg/ft2

or other approved signatory

Laboratory Manager

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependent on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 06/23/2015 13:31:28

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



# Lead (Pb) Chain of Custody EMSL Order ID (Leb Use Only):

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 509-9083

							<u> </u>	99-9063	
Company : OH	IC Environmental Engine	ering, Inc.	]	-EMSL ا دا م ااا8 اا	Bill to:	Different Inctions in Contri	<b>√</b> Same enter	:	
Street 5420 B	ay Center Drive Suite 10	0	, 129	ird Party Billing .	requires writter	authorization f	rom third i	perty	
City: Tampa	State/P	rovince: FL	Zip/Postal Code: 33609 Country United States						
Report To (Na	me). (b)(4)		Telephon	e#; 813-626	8-8156				
Email Address	(b)(4	1)	Fax# 8	Fax # 813-623-6702 Purchase Order:					
Project Name/	Number, Stennis B1 B2	rest Stand	Please Provide Results: FAX			< ✓E-ma	ail	Mail .	
U S State San	nples Taken: MS		CT Samp	les: 🔲 Comn	rercial/Taxat	ole 🔲 Reside	ntial/Ta	x Exempt	
	Tu	rnaround Time (TA	T) Option	s* - Please (	Check				
🔲 3 Hour	☐ 6 Hour <b>■</b> 24				96 Hour	☐ 1 Week		2 Week	
		d in accordance with EMS	L'a Terma a						
	Matrix	Method		Instru		Reporting		Check	
Chips 🔲 % by	Chips : % by wt. : mg/cm² : ppm   SW846-700			Flame Atomic	Absorption	0.019	<b>/</b> 6		
Air 24 hr.		NIOSH 7082		Flame Atomic		4 μg/fi		<b>*</b>	
i		NIOSH 7100		Graphile Fr		0.03 μg/l 0.5 μg/l		╀╌╞╣╌╏	
Wipe*	40701	SW846-7000I		Flame Alomic		10 µg/м			
1	MTSA non	SW846-6010B o		ICP /		1.0 μg/\		<del>                                     </del>	
"N no box le	to box to checked, non-ASTM Wipe to assumed SW846-7000B/			Graphite Fr	ımaçe AA	0.075 µg.	<del></del>		
TCLP		SW846-1311/7000B/S					0.4 mg/L (ppm)		
	SW846-1131/SW846-6			ICP /			0.1 mg/L (ppm)		
Soil SW848-7000				Flame Alomk		40 mg/kg		1 4 1	
<u>\$W846-7</u> \$W846-6010				Graphite Fr		0.3 mg/kg 2 mg/kg (		┞┈┝┪╌╏	
		SM31118/SW846		Flame Atomic		0.4 mg/L		<del>▎▕</del>	
Wastewater	Unpreserved ☐ ith HNO₃pH < 2 ☐	EPA 200 9		Graphile Fr		0.003 mg/L			
L		EPA 200.7		ICP-	AES	0.020 mg/l			
	ter Unpreserved	EPA 200.9		Graphile Furnace AA ICP-MS		0,003 mg/L (ppm)			
Preserved Wi	ith HNO₃pH < 2 □	EPA 200.8 40 CFR Part 5	:a			0.001 mg/L (ppm)		<del>┞┈╞</del> ┼╌╿	
TSP/SPM FIN	ter	40 CFR Part 5		ICP-AES Graphite Furnace AA		12 µg/filter 3.6 µg/filter			
Other						0.0 pg//	11101		
Name of San	npler (b)(4)		Signa	ture of Sam	oler:	(b)(4)			
Sample #	Locati	on		Volume/		Dat	e/Time	Sampled	
S813	18th Floor at Cr	itical Barrier		9221	_	6/20/	15 7:50	am 3:31pm	
S814	Inside the work are	ea under repair		9081	_	6/20/	15 8:01:	am 3:35pm	
S815	Inside 13th	FI Decon		9081		6/20/	15 8:01	am 3:35pm	
S816	Outside13th	FI Decon	[	908	_	6/20/	15 8:01	am 3:35pm	
S817 Below 13th FI Decon			-	9081		6/20/	6/20/15 8:02am 3:36pm		
Client Sampl	le#s 5913 - 5:	BIG SCOW26	6 SCG	W267 T	otal # of Sa	mples. 🤋			
Relinguished	d (Cflent): (b)(4)	, Date.	6/20/	15	Time	5:30	pm		
Received (L		Date*		23/15	Time:	9:19a	₩		
Comments 🛬	54mpus = 5314	11/11/71		th Sampu	न ·				
	FOUND SITTLE	. INSIDE CONT							
L									



### LEAD (Pb) CHAIN OF CUSTODY

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

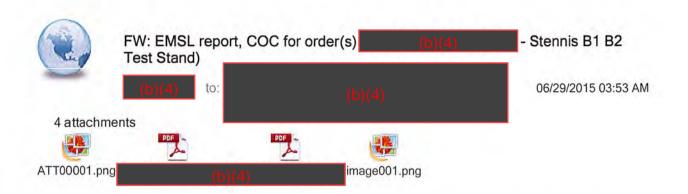
EMSL ORDER ID (Lab Use Only):

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled	
S818	10th Floor Exterior Center	900L	6/20/15 8:10am 3:40pm	
S819	Blank	OL	6/20/15	
SCGW266	Inside the 13th Floor Decon	12x12	6/20/15	
SCGW267	Outside the 13th Floor Decon	12x12	6/20/15	
Comments/S	pecial Instructions:			
Comments/S	pecial Instructions:			

Page 2 of 2 pages



Attached please find the test results for the wipe and air samples collected on June 22, 2015. All the air samples are below detection limit. All the wipe samples are well within acceptable levels.

President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone:
Cell:
Email: (b)(4)

Ewww.OHCNET.com<a href="http://www.ohcnet.com/">(b)(4)

www.OHCNET.com<a href="http://www.ohcnet.com/">(b)(4)

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com] Sent: Wednesday, June 24, 2015 4:44 PM

To: (b)(4)

Subject: EMSL report, COC for order(s) (b)(4) - Stennis B1 B2

Test Stand)

Report, COC for order(s):

(b)(4) - Stennis B1 B2 Test Stand

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```
LABConnect <a href="https://extranet.emsl.com/">LABConnect <a href="http://www.emsl.com/ProductCatalogHome.aspx">Lolient Corner</a>
<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training</a>
<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=477</a> | Additional Resources</a>
<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=421">http://www.emsl.com/index.cfm?nav=Pages&ID=421</a> | Sampling Videos</a>
<a href="http://www.emsl.tv">http://www.emsl.tv</a>
```

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5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

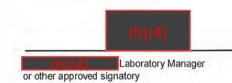
06/24/15 8:51 AM

Collected:

6/22/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration		
S820 341506111-0001	6/22/2015 6/24/2015 Site: 18th Floor at Critica	910 L I Barrier	4.4 μg/m³	<4.4 µg/m³		
S821 341506111-0002	6/22/2015 6/24/2015 Site: (ADS) Ins	872 L side the Work Area Under Repair	4.6 μg/m³	<4.6 μg/m³		
S822 341506111-0003	6/22/2015 6/24/2015 Site: Inside 13 FI Decon	872 L	4.6 μg/m³	<4.6 μg/m³		
S823 341506111-0004	6/22/2015 6/24/2015 Site: Inside 13th FI Deco	872 L n	4.6 μg/m³	<4.6 μg/m³		
S824 341506111-0005	6/22/2015 6/24/2015 Site: Below 13th FI Deco	872 L n	4.6 μg/m³	<4.6 µg/m³		
S825 341506111-0006	6/22/2015 6/24/2015 Site: 10th Floor Exterior (	850 L Center	4.7 μg/m³	<4.7 μg/m³		
S826 341506111-0007	6/22/2015 6/24/2015 Site: Blank	0 L	4.0 µg/filter	<4.0 µg/filter		



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 06/24/2015 16:43:33



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

ProjectID:

CustomerID: CustomerPO:

EMSL Order:

OCCU56

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone: (813) 626-8156 (813) 623-6702

Fax: Received: 06/24/15 8:51 AM

Collected: 6/22/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed Area Sampled	RDL	Lead Concentration
SCGW268 341506111-0008	6/22/2015 6/24/2015 144 in ² Site: Inside the 13th Floor Decon	10 μg/ft²	36 μg/ft²
SCGW269 341506111-0009	6/22/2015 6/24/2015 144 in ² Site: Outside the 13th Floor Decon	10 μg/ft²	41 μg/ft²

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 06/24/2015 16:43:33



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

								7407) 5		<u>,                                     </u>
Company : OH	IC Environmental	Engine	ering, Inc.	<del></del>	EMSL-Bill If Sill to is Differ		Diffe: ructions i	1 7		
Street 5420 B	ay Center Drive 8	Suite 10	0	Th	ird Party Billing raqu	ires writter	aulhori	zation from third p	arty	
City [*] Tampa		State/P	rovince. FL		1 Code 33609			ountry United		
Report To (Na	ne) (b)(4)			Telephon	e# 813-626-81	156				
Email Address		(b)(4	)	Fax#; 6	313-823-6702		٩	urchase Order		
Project Name/	_{Number} Stennis	B1 B2 T	est Stand	Please Pr	Please Provide Results FAX /로-mail					
US State San	ples Taken [,] MS		- <del>-</del>	CT Samp	ies: 🔲 Commerc	:ial/Taxat	ito 🔲 i	Residential/Tax	(Exempl	t
		Tu	rnaround Time (TA							
☐ 3 Hour	☐ 6 Hour	■ 24	Hour 48 Hour	77	2 Hour   96	Hour		Week 🗆	2 Week	ξ
		complete	d in accordance with EMS	L's Terms a						
	Matrix	4	Method		Instrume	nt	Rep	orting Limit	Check	k
Chips 🗆 % b	ywt. 🗆 mg/cm² 🗆	] թբա	SW846-70008	3	Flame Atomic Ab	sorption		0.01%		
^{Air} 24 hr.			NIOSH 7082		Flame Atomic Ab	sorption	4	l μg/filter	2	
2-7 1111			NIO\$H 7105		Graphite Furna			03 μg/filter		
		NIOSH 7300 mad	lified	ICP-AES/ICP	-MS		5 µg/filter			
Wipe*	ASTM		SW846-70008	3	Flame Atomic Ab	sorption	11	D μg/wipe	<b>2</b> 2€	
*If no box is	ox is checked, non-ASTM			ıf <b>C</b>	ICP-AES	'		0 µg/wipe		
	Wipe is assumed	·			Graphite Furna	ce 🗚		75 μg/wipe	<u> </u>	
TCLP			SW848-1311/7000B/S		Flame Atomic Ab			mg/L (ppm)		
	<u> </u>		SW846-1131/SW846-6		ICP-AES			mg/L (ppm)	<u> </u>	
Soil		SW846-7000			Flame Alomic Ab			ng/kg (ppm)	┡	
	SW846-7019 SW846-60108				Graphite Furna ICP-AES			ng/kg (ppm) ig/kg (ppm)	<u> </u>	
					Flame Atomic Ab			mg/L (ppm)	┝╒╬	
Wastewater	Unpreserved	□	SM3111B/SW846- EPA 200.9	OGGG	Graphite Furna			mg/L (ppm)	╏╼╌╌	一
Preserved wr	th HNO₃pH < 2		EPA 200.7		ICP-AES			mg/L (ppm)		
Drinking Wat	ier Unpreserved		EPA 200.9	Graphite Fuma	ce AA		3 mg/L (ppm)		$\neg$	
	th $HNO_3$ pH < 2		EPA 200.8		ICP-MS			0.001 mg/L (ppm)		
TSP/SPM File	har		40 CFR Part 5		ICP-AES	12 µg/filter		<b> _</b> □		
L			40 CFR Part 5	A)	Graphite Furna	ce AA	3.	.6 μg/filter	<u>                                     </u>	
Other					<u> </u>					
Name of San	1pler: (b)(4)			Signa	ture of Sample	Γ,	(b)(4	)		
Sample #		Locati	0п		Volume/Are	a /		Date/Time \$	Sample	<u>d</u>
S820	18th Floo	or at Cr	itical Barrier		910L			6/22/15 9:05a	ım 4°40p	pm
S821	(b)(4) ADS)Ins	side the v	vork area under repair		872L			6/22/15 9:10a	m 4:26p	omi
S822	Inside	13th i	FI Decon		872L			6/22/15 9:10 <i>a</i>	m 4:26r	pm
S823	Outsid	le13th	Fl Deçon		872L			6/22/15 9:10a	ım 4:26ç	pm
S824	Below	v 13th (	FI Decon		872L		<del></del> -	6/22/15 9:12a	- ım 4:28p	pm
Client Samp	le#'s <i>S8</i> 2⊅	6 SCOW 200	506	w 269 Tota	al#ofSa	imples	9			
Relinquished	(Client)	b)(4)	Date:	6/22/		Time:		5 30 pm		
Received (L:			Jate*	1/0	124/15	Time	P	blom		
Commenta	(k	0)(4)	valo			- mite	<del></del>	10. (E.E.)		



### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

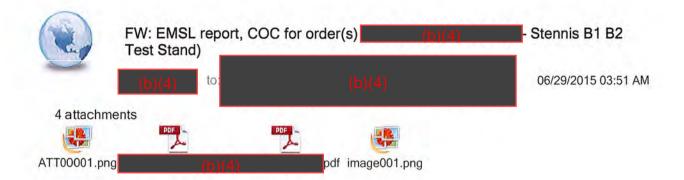
Orlando, FL 32804 PHONE: (407) 599-5887

FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S825	10th Floor Exterior Center	850L	6/22/15 9:15am 4:20pm
S826	Blank	OL	6/22/15
SCGW268	Inside the 13th Floor Decon	12x12	6/22/15
SCGW269	Outside the 13th Floor Decon	12x12	6/22/15
		***************************************	
		4.4.4	
	"		
Comments/S	pocial Instructions:		

Page 2 of 2 pages



Attached please find the test results for the wipe and air samples collected on June 23, 2015. All the samples are below detection limit.

```
4) MS, CIH
President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone:
Cell:
Email:
www.OHCNET.com<ahttp://www.ohcnet.com/>
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sender immediately by reply transmission and delete this message.
From: EMSL (Orlando) [mailto:orlandolab@emsl.com]
Sent: Thursday, June 25, 2015 2:37 PM
To:
Subject: EMSL report, COC for order(s)
                                                                   - Stennis B1 B2
Test Stand)
Report, COC for order(s):
           - Stennis B1 B2 Test Stand
Please tell us how we are doing.
Click here to fill out our Customer Survey<
http://www2.emsl.com/custsurvey/?fromregion=eastcoast>
<a href="http://www.emsl.com/>[cid:d510f860-a692-40ad-ad80-c6891cee6368]<">http://www.emsl.com/>[cid:d510f860-a692-40ad-ad80-c6891cee6368]</a>
http://www.emsl.com/><http://www.emsl.com/>
                                                                   | Laboratory
Analyst /LaboratoryTechnical Director
   EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804
   Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170
   Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call
```

Some of the resources EMSL Analytical, Inc. offers to our clients:

```
LABConnect <a href="https://extranet.emsl.com/">LABConnect <a href="http://www.emsl.com/ProductCatalogHome.aspx">Lolient Corner</a>
<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training</a>
<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=477</a> | Additional Resources</a>
<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=421">http://www.emsl.com/index.cfm?nav=Pages&ID=421</a> | Sampling Videos</a>
<a href="http://www.emsl.tv">http://www.emsl.tv</a>
```

______

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5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

06/25/15 9:37 AM

Collected:

6/23/2015

Test	Re	poi	rt
------	----	-----	----

Client Sample Description

S827

Lab ID 341506167-0001 Collected:

6/23/2015

Test

Method

18th Floor at Critical Barrier Parameter

Volume

Concentration

Pb-FLAA

7082

Lead

Analyzed 6/25/2015

<3.4 µg/m³

Client Sample Description

Inside the Work Area Under Repair

Lab ID 341506167-0002 Collected:

1174 L

6/23/2015

Test Pb-FLAA Method 7082

Method

7082

Parameter

Analyzed 6/25/2015 Volume 1122 L Concentration <3.6 µg/m³

Client Sample Description

S829

Lab ID 341506167-0003 Collected:

6/23/2015

6/23/2015

Inside 13th FI Decon

Lead

Test Pb-FLAA Parameter I pad

Analyzed

Volume 1122 L

<3.6 µg/m³

Concentration

Client Sample Description

S830

Lab ID 341506167-0004 Collected:

Outside 13th FI Decon

Volume

Concentration

Test Pb-FLAA

Test

Test

Pb-FLAA

Pb-FLAA

Method 7082

Parameter Lead

Analyzed 6/25/2015

6/25/2015

1122 L

<3.6 µg/m³

Client Sample Description

S831

Lab ID 341506167-0005 Collected:

6/23/2015

Method

7082

Below 13th FI Decon Parameter

Analyzed 6/25/2015 Volume 1108 L

Concentration <3.6 µg/m³

Client Sample Description

S832

Lab ID 341506167-0006 Collected:

6/23/2015

10th Floor Exterior Center Method

7082

Parameter Lead

Lead

Analyzed 6/25/2015 Volume 1086 L

Concentration <3.7 µg/m³

Laboratory Manager

or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 06/25/2015 14:36:52



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax:

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

06/25/15 9:37 AM

Collected:

6/23/2015

**Test Report** 

Client Sample Description

S833

Lab ID 341506167-0007 Collected:

6/23/2015

(ADS) NE Pier 7th Level I

Analyzed

Volume

Concentration

Pb-FLAA

Test

Method 7082

Parameter Lead

6/25/2015

770 L

<5.2 µg/m³

Client Sample Description

Lab ID 341506167-0008 Collected:

6/23/2015

NE Pier 7th Level Inbed Spot Abateme

Test Pb-FLAA

Method Parameter 7082

Analyzed

Volume 770 L Concentration

6/25/2015 I ead

<5.2 µg/m3

Client Sample Description

S835 Blank Lab ID 341506167-0009 Collected:

6/23/2015

Method

7082

Parameter

Analyzed

Volume

0 L

Concentration <4.0 µg/filter

Lab ID 341506167-0010 Collected:

6/23/2015

Client Sample Description

SCGW270

Inside the 13th Floor Decon Analyzed

6/25/2015

Area Sampled

Concentration

Test Pb-FLAA

Test

Pb-FLAA

Method 7000B

Parameter Lead

Lead

6/25/2015

144 in²

170 µg/ft2

Client Sample Description

SCGW271

Lab ID 341506167-0011 Collected:

6/23/2015

Test Pb-FLAA Method 7000B

Parameter Lead

Outside the 13th Floor Decon

Analyzed 6/25/2015 Area Sampled 144 in²

Concentration

75 µg/ft2

Laboratory Manager

or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ti2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in ug/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 06/25/2015 14:36:52



EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Company   OHC Environmental Engineering, Inc.     FBISLeshi to Different Privated an Acceptance   Table 100							•					1111 (401) 01	70 0000
State   Property   State   Property   State   Property   State   Property   State   State   State   Property   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State	Company : OH	C Environmental	Engine	ering, l	Inc.								
State   Province   FL   ZippPostal Code   33609   Country; United States	Street, 5420 B	ay Center Drive 8	Suite 10	0			t Th	ird Party E	illing regu	ires writter	authori.	zation from third p	ytne
Fax # 813-623-6702	City Tampa		State/P	covince	)	FL							
Project Name/Number, Stennis   B1 B2 Test Stand   Please Provide Results   FAX   F-mail   Mail	Report To (Nat	π <u>θ):</u> (b)(4)					Telephon	e # <u>† 81</u> 3	3-626- <b>8</b> 1	56			
CT Samples   Commercial/Taxable   Residential/Tax Exempt   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxab			(b)(4	l)			Fax# 8	Fax # 813-623-6702 Purchase Order					
CT Samples   Commercial/Taxable   Residential/Tax Exempt   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxable   Taxab	Project Name/	Number, Stennis	B1 B2 T	Test Sta	and		Please Pr	ovide Re	esults.	FAI	· 🔽	E-mail	Mail
S   Hour							CT Samp	les. 🔲 C	ommerc	ial/Taxat	ole 🔲 I	Residential/Tax	Exempt
Matrix   Method   Instrument   Reporting Limit   Check			Tu	ımaroı	and T	ime (TA						•••	
Matrix	3 Hour	☐ 6 Hour	<b>2</b> 4	Hour		48 Hour	72	2 Hour	□ 96	Hour		Week []	2 Week
Chips   % by wt   mg/sm²   ppm   SW846-70008   Flame Atomic Absorption   0 01%			complete	d in acco			L's Terms ar						
NICSH 7082   Flame Atomic Absorption   4 µg/filter   1					<u>N</u>	lethod		-In	strume	nt	Rep	orting Limit	Check
NIOSH 7300 modified   ICP-AES/ICP-MS   0.5 pg/filter		/ wL 🔲 mg/cm² 🛭	] ppm		SW	846-70006	1	Flame /	Atomic Ab	sorption		0 01%	
NIOSH 7300 modified   ICP-AES/ICP-MS   0.5 pg/filter	Air 24 hr.												麔
SW846-0008				<b> </b>				-					
SW846-6010B or C   ICP-AES   1.0 µg/wipe													
SW846-1000B7010   Graphite Furnace AA   C.075 µg/wipe	Mibe.	•	<b>2</b>					Flame /	-				
SW846-1311/7000B/SM 3111B   Flame Atomic Absorption   C.4 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C.5 mg/L (ppm)   C	'if no bax is	'lif no box is checked, non ASTM —						Grant					
SW846-1131/SW846-010B or C   ICP-AES   O.1 mg/L (ppm)   C	TOLD											╌┼┼┤	
SW846-7000B	1066						LIGHTE					╌╄┤┤	
SW848-8010B or C   GP-AES   2 mg/kg (ppm)	Soil				}	Flame /	Atomic Ab	a <b>or</b> ption					
SM31118/SW846-7000B   Flame Atomic Absorption   0.4 mg/L (ppm)   1	<b>-</b>	-			- SY	V846-7010		· Grapi	nite Furna	ce AA 🚗			
Preserved with HNO ₃ pH < 2					SVV84	6-6010B o	r C						
Preserved with HNO3 pH < 2	Wastewater	Unpreserved	П				7000B						
Drinking Water Unpreserved							Grapi					╼┾╬╼╾╢	
Preserved with HNO3 pH < 2	Drinking Wat	or Unitedated										<del>┈╞╡┈</del> ┫	
TSP/SPM Filter							· · · · · · · · · · · · · · · · · · ·						
Other.   Signature of Sampler:   (b)(4)   Signature of Sampler:   (b)(4)   Sample #   Location   Volume/Area   Date/Time Sampled   S827   18th Floor at Critical Barrier   1174L   6/23/15 7:15am 5 02pm   S828   Inside the work area under repair   1122L   6/23/15 7:19am 4:40pm   S829   Inside 13th Fl Decon   1122L   6/23/15 7:19am 4:40pm   S830   Outside 13th Fl Decon   1122L   6/23/15 7:19am 4:40pm   S831   Below 13th Fl Decon   1108L   6/23/15 7:21am 4:35pm   Client Sample #'s   5/27 - 56/35   SCGW 2.70   SCGW 2.71   Total # of Samples   11   Relinquished (Client)   Date:   6/23/15   Time:   5:30 pm   Received (Lab):   Date:   6/25/15   Time   9/37am   Client Sample #'s   5/37am   Client Sample #'s					40 C	FR Part 5	0	<del>                                     </del>					
Signature of Sampler:   (b) (4)   Signature of Sampler:   (b) (4)					40 CFR Part 50		Graphite Furnace AA		3.6 µg/filter				
Sample #         Location         Volume/Area         Date/Time Sampled           S827         18th Floor at Critical Barrier         1174L         6/23/15 7:15am 5 02pm           S828         Inside the work area under repair         1122L         6/23/15 7:19am 4:40pm           S829         Inside 13th FI Decon         1122L         6/23/15 7:19am 4:40pm           S830         Outside13th FI Decon         1122L         6/23/15 7:19am 4:40pm           S831         Below 13th FI Decon         1108L         6/23/15 7:21am 4:35pm           Client Sample #'s   5827 - 5835   \$Cow 270   \$Cow 271   Total # of Samples*   11           Retinquished (Client)*         Date: 6/23/15   Time: 5:30 pm           Received (Lab):         Date: 6/25/15   Time: 7:37am	Other.												
S827       18th Floor at Critical Barrier       1174L       6/23/15 7:15am 5 02pm         S828       Inside the work area under repair       1122L       6/23/15 7:19am 4:40pm         S829       Inside 13th Fl Decon       1122L       6/23/15 7:19am 4:40pm         S830       Outside13th Fl Decon       1122L       6/23/15 7:19am 4:40pm         S831       Below 13th Fl Decon       1108L       6/23/15 7:21am 4:35pm         Client Sample #'s   5827 - 5835   SCGW 270   SCGW 271   Total # of Samples   11       11         Received (Lab):       Date: 6/23/15   Time: 5:30 pm         Received (Lab):       Date: 6/25/15   Time: 9/37am	Name of San	pler. (b)(4)					Signa						
S828   Inside the work area under repair   1122L   6/23/15 7:19am 4:40pm				• •				Valt	ime/Are	a ′		Date/Time S	ampled
S829         Inside 13th FI Decon         1122L         6/23/15 7:19am 4 40pm           S830         Outside13th FI Decon         1122L         6/23/15 7:19am 4:40pm           S831         Below 13th FI Decon         1108L         6/23/15 7:21am 4:35pm           Client Sample #'s   5827 - 5835   SCGW 270   SCGW 271   Total # of Samples*   11           Relinquished (Client)*         Date: 6/23/15   Time: 9/37am           Received (Lab):         Date: 6/25/15   Time: 9/37am	S827	18th Floo	r at Cr	rtical I	Barrie	er		1	174L			6/23/15 7:15a	m 5 02pm
S830         Outside13th FI Decon         1122L         6/23/15 7:19am 4:40pm           S831         Below 13th FI Decon         1108L         6/23/15 7:21am 4:35pm           Client Sample #'s   5827 - 5835         SCGW 270 SCGW 271 Total # of Samples:   11           Relinquished (Client):         Date: 6/23/15         Time: 5:30 pm           Received (Lab):         Date: 6/25/15         Time         9/37am	S828	Inside the w	ork are	ea und	der re	ерак		1	122L			6/23/15 7:19a	m 4:40pm
S831         Below 13th FI Decon         1108L         6/23/15 7:21am 4:35pm           Client Sample #'s   5827 - 5835   SCGW 270   SCGW 271   Total # of Samples:   11         Date:   6/23/15   Time:   5:30 pm           Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Received (Lab):   Recei	S829	Inside	13th I	FI Dec	con			1	122L			6/23/15 7:19a	m 4 40pm
Client Sample #'s           5827 - 5835   SCGW 270   SCGW 271   Total # of Samples   11           Relinquished (Client):         Date:         6/23/15   Time:         5:30 pm           Received (Lab):         Date:         6/25/15   Time   9/37am	S830	Outsid	le13th	FI De	con			1	122L			6/23/15 7:19a	m 4 [,] 40pm
Received (Lab):         Date:         6/23/15         Time:         5:30 pm           Received (Lab):         Date:         6/25/15         Time:         9/37am	S831	Below	/ 13th 1	FI Dec	con			1	108L			6/23/15 7:21a	m 4:35pm
Received (Lab): (b)(4) Date. 6/25/15 Time 9:37am	Client Sample #'s   5827 - 5835   SCGW 2					70 504	W 27	Tota	al # of Sa	imples	š' 11		
Received (Lab): (b)(4) Date. 6/25/15 Time 9:37am	Relinquished (Client)					Date:	0,000						
Comments.				Date. 6/25		5//5 Time		9:37a		m			
· · · · · · · · · · · · · · · · · · ·	Comments.						,	· -					

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### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only).

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

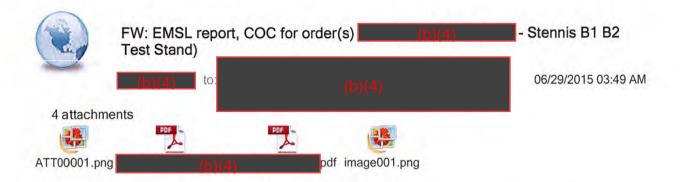
Orlando, FL 32804 PHONE: (407) 599-5887

FAX (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S832	10th Floor Exterior Center	1086L	6/23/15 7.30am 4.33pm
S833	(b)(4) ADS)NE Pier 7th level inbed spot abatement	770L	6/23/15 8:05am 2:30pm
S834	N E Pier 7th level inbed spot abatement	770L	6/23/15 8:05am 2:30pm
S835	Blank		6/23/15
SCGW270	Inside the 13th Floor Decon	12x12	6/23/15
SCGW271	Outside the 13th Floor Decon	12x12	6/23/15
<del></del>			
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	1		

Page 2 of 2 pages



Attached please find the test results for the air and wipe samples collected on June 24. All the air samples are below detection limit. All the wipe samples are well within acceptable levels.

MS, CIH President [cid:image001.png@01CD10DB.A9302780] OHC Environmental Engineering Inc. 5420 Bay Center Drive Tampa, Florida 33609 Phone: Cell: Email:

www.OHCNET.com<ahttp://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Friday, June 26, 2015 1:28 PM To:

Subject: EMSL report, COC for order(s) - Stennis B1 B2

Test Stand)

Report, COC for order(s): - Stennis B1 B2 Test Stand

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<a href="http://www.emsl.com/>[cid:8e139b77-6ef3-497c-bda5-687f6e11ab64]</a> http://www.emsl.com/><http://www.emsl.com/> | Laboratory Analyst /LaboratoryTechnical Director

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804 Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

```
Some of the resources EMSL Analytical, Inc. offers to our clients: LABConnect <a href="https://extranet.emsl.com/">https://extranet.emsl.com/</a> | Order Products <a href="http://www.emsl.com/ProductCatalogHome.aspx">http://www.emsl.com/ProductCatalogHome.aspx</a> | Client Corner<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=421</a> | Sampling Videos<a href="http://www.emsl.tv">http://www.emsl.tv</a>
```

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(407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax:

(813) 623-6702

Received:

06/26/15 8:59 AM

Collected:

6/24/2015

**Test Report** 

Client Sample Description

S837

Lab ID 341506210-0001 Collected:

6/24/2015

Inside 13th FI Decon

Lead

Method 7082

Parameter

Analyzed 6/26/2015

Volume 850 1

Concentration

<4.7 µg/m³

Client Sample Description

Outside 13th FI Decon

Lab ID 341506210-0002 Collected:

6/24/2015

Test Method

Parameter 7082 Lead

Analyzed 6/26/2015 Volume 850 L Concentration

<4.7 µg/m³

Client Sample Description

S838 Blank

Lab ID 341506210-0003 Collected:

6/24/2015

Test Pb-FLAA

Tost

Pb-FLAA

Pb-FLAA

Method 7082

Parameter

Lead

Analyzed 6/26/2015 Volume 0 L

Concentration <4.0 µg/filter

Client Sample Description

SCGW272

Lab ID 341506210-0004 Collected:

6/24/2015

Test Pb-FLAA Method 7000B

7000B

Inside the 13th Floor Decon Parameter

Lead

Analyzed 6/26/2015

Area Sampled 144 in²

49 µg/ft2

54 µg/ft²

Concentration

Client Sample Description SCGW273

Lab ID 341506210-0005 Collected: Outside the 13th Floor Decon

6/24/2015

Test Pb-FLAA Method

Parameter I ead

Analyzed 6/26/2015

Area Sampled 144 in²

Concentration

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/tl2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 06/26/2015 13:27:38



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

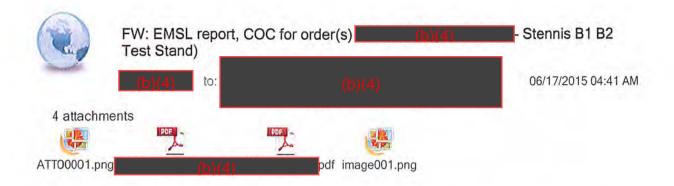
EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 Prone: (407) 599-5887

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AAmbani	C Environmental			lna.		E!	MSL-Bill to 19 Offere	to: ent note that	Diffe: tructions i	rent 🗸	Same	
Street 5420 Ba	ay Center Drive S	Suite 10	0		1	hird Party B	illina reaui	ires writter	n authori	zation from	third o.	adv
City: Tampa		State/P		FL.	r e	tal Code:				ountry L		
Report To (Nan	ne). (b)(4)				Telephone #: 813-626-8156							
Email Address					Fax # 813-623-6702 Purchase Order							
Project Name/N	lumber, Stennis	B1 B2 1	est St	and	Please	Provide Re	suits. [	FA	· 7	E-mail		Mail
	ples Taken MS				CT Sam	ples: 🔲 C	ommerc	 (al/Taxal	ole 🗌	Resident	ial/Tax	Exempt
		Tu	rnaro	und Time (TA								
3 Hour	☐ 6 Hour	<b>2</b> 4		☐ 48 Hour		72 Hour		Hour		Week		2 Week
	Analysis completed in accordance with EMS								ice Guid	<del> </del>		
	Matrix			Method		In	strume	nt	Rep	orting Li	mıt	Check
Chips 🗆 % by	wt. mg/cm*	] ppm		SW846-70008	3	Flame /	Momic Abs	sorption	ļ.—	0.01%		
Air 24 hr.				NIOSH 7082		┩——-	Atomic Abs			μg/filter		
				NIOSH 7105		nije Furnac			03 µg/filte			
				NIOSH 7300 mod			-AES/ICP-			.5 μg/filte	_	
Wipe*	ASTM			\$W846-70001	_	·	Atomic Abs	<b>sor</b> ption		0 µg/wipe	— · -	
"If no thex is chucked, non-ASTM				SW846 6010B d		<del></del>	ICP-AES	<u> </u>		0 μg/wip		
	Wipe is assumed SW846-7000B/7						nite Fumas			0.075 μg/wipe		
TCLP		SW846-1311/7000B/S SW846-1131/SW846-8				Flame A	Atomic Abs	:		0.4 mg/L (ppm) 0.1 mg/L (ppm)		
Soil			37764	\$VV846-7000		Elama (	Atomic Abs			ng/kg (pr		<del>┍┈┢╣┈</del> ╿
2011				SW846-7010			hite Furnar			mg/kg (pi		
				SW846-6010B (			ICP-AES			ig/kg (pp		
IN a share star	I for a second or or		s	M3111B/\$W846-	7000B	Flame	Atomic Abs	sorption		mg/L (pp		
Wastewater Preserved with	Unpreserved h HNO ₃ pH < 2		EPA 200.9			Grapi				3 mg/L (p		
	<u> </u>			EPA 200.7			<del></del>			3 mg/L (p		<u> </u>
	er Unpreserved		<b></b>	EPA 200.9 EPA 200.8						0.003 mg/L (ppm) 0.001 mg/L (ppm)		
Preserveu wii	th HNO ₃ pH < 2	Ш		40 CFR Part 5	in	<u> </u>	ICP-MS			2 µg/filte	<del>-  </del>	
TSP/SPM Filt	er			40 CFR Part		Grapi	Graphite Furnace AA			3.6 µg/filter		├ <del>─</del>
Other	•	-		-		1			ĺ			
Name of Sam	noler. (b)(4)				Sigi	ature of	Sample:	r	(	b)(4)		
Sample #		Locati	on				ıme/Are			Date/1	ime \$	Sampled
S836	Inside	13th	FI Dec	con		1	850L			6/24/15	1: <b>20</b> p	m 8:25pm
\$837	Outsic	de13th	FI De	con		}	850L			6/24/15	1:20p	m 8:25pm
S838		 Blan	k		<u> </u>		0L			[	6/24/	15
\$CGW272	Inside the	e 13th	Floor	Decon		1	2x12				6/24/	15
SCGW273	Outside th	 ie 13th	Floo		1		2x12		,		6/24/	15
Client Sampl	e#'s Sස34	. · St	338	SCGW	272	566W27	3 Tota	l#ofS	ample	<b>s</b> . 5		
Relinguished				Date ¹	6/24/15			Time:		5:30 pm		
Received (Lab	1):			Date:	6-26-15 Time:				8:59am			
Comments.	PIESZ WILL	BL 7	14 <b>2</b> (	LAST SET	OF 50	mypers	TICL	June	30	2015	7*	HANKS 11
												(b)(4)

Page 1 of ____ pages

	National Aeronautics and Space Administration	22.22	1 OTOD TD 1	NICO ALTT A	CUE	_	DATE		July 17, 2015	
NASA	John C. Stennis Space Center Stennis Space Center, MS 39529-6000	CONTR	RACTOR TRAI	NSWITTA	LSHEE		SHEET 1 OF 1			
	SECTION I -	REQUEST FO	OR APPROVAL (7	o be Initiate	d by the	Contractor)				
	TRANSMITTAL OF SHOP DRAWINGS, EQU					TRACT NO.	X	NEW SUBM	ITTAL	
	MANUFACTURER'S CERTIF	ICATES OF CON	<b>UPLIANCE</b>		NNS	14AA30T		1		
	(See Instruction	s on Reverse)					0	RESUBMITT		
ТО	FROM				AL NO. (If Any)		RANSMITTA	L NO.		
(b)(			OCIATES, INC.		N/A			422		
SPECIFICAT	ION AND SECTION NO. (Cover Only One Sec	tion With Each T		TITLE AND LOC		200 02 COFT CO	DE DAINITIA	10		
200H0-GA	04 02 82 33.13.20 Air & Wipe	Samples 6-12	thru 7-13-		SL430WFI	BOO-03 SOFT CO		VARIATION	ACTION	
	DESCRIPTION OF ITEM SUBM		MANUFACTURI	ER OF ITEM	NO OF	DOCUM		(See	CODE	
ITEM	(Type, Size, Model Number, e (See Instruction No. 3)	tc.)	(See Instruction	COPIES	SPECIFICATION	DRAWING	Instruction	(See Instruction		
NO. (a)	(See Instruction No. 5)		(c)	(d)	PARAGRAPH NO. (e)	SHEET NO. (f)	No. 6) (g)	No. 9 (h)		
1	Air & Wipe Samples Collected 6-12-15 & 6-13-15		ОНС		3	3.4.1.1.c	-			
2	Air & Wipe Samples Collected 7-1-15		ОНС		3	3.4.1.1.c	-		-	
3	Air & Wipe Samples Collected 7-2-15		ОНС		3	3.4.1.1.c	-	1.6	1410	
4	Air & Wipe Samples Collected 7-10-15		ОНС		3	3.4.1.1.c	- 12	40		
5	Air & Wipe Samples Collected 7-11-15		ОНС		3	3.4.1.1.c		÷	150	
6	Air & Wipe Samples Collected 7-13-15		ОНС		3	3.4.1.1.c	-	- 1	- 1	
		2		4.	-	-	-	-		
1		-		÷	-		-	-	-	
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- 4				+	L	-		-		
REMARKS:	3 Hard Copies included.				detail and a	t the above submit fre correct and in st specifications, exc NAME AND S	rict conformation as stated. (b)(4)		ontract	
		SE	CTION II - APPRO	OVAL ACTIO	N					
ENCLOSUR	ES RETURNED (List by Item No.)		NAME, TITLE, AND	SIGNATURE OF	APPROVING	SAUTHORITY	DATE			



Attached please find the test results for the air and wipe samples collected on June 12 and 13, 2015. All the air samples are below detection level. All the wipe samples are well within acceptable levels.

MS, CIH President [cid:image001.png@01CD10DB.A9302780] OHC Environmental Engineering Inc. 5420 Bay Center Drive Tampa, Florida 33609 Phone: Cell:

Email: www.OHCNET.com<http://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com] Sent: Tuesday, June 16, 2015 1:10 PM

- Stennis B1 B2 Subject: EMSL report, COC for order(s)

Test Stand)

Report, COC for order(s): - Stennis B1 B2 Test Stand

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Phone/Fax (407) 599-5887 / (407) 599-9063

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orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand Phone:

(813) 626-8156

Fax: Received: (813) 623-6702 06/16/15 8:48 AM

Collected:

6/13/2015

**Test Report** 

Client Sample Description S753

Lab ID 341505823-0001 Collected:

6/12/2015

18th Floor At Critical Barrier

Method 7082

Parameter Lead

Volume 1180 L Concentration

<3.4 µg/m³

Client Sample Description

Test

Test

Pb-FLAA

Pb-FLAA

Test

Test

Pb-FLAA

Pb-FLAA

Pb-FLAA

Lab ID 341505823-0002 Collected:

6/12/2015

(ADS) Inside S Contain

Method 7082

Parameter Lead

Inside 13th FI Decon

Analyzed 6/16/2015

Analyzed

6/16/2015

Volume 1048 L Concentration <3.8 µg/m³

Client Sample Description

S755

Lab ID 341505823-0003 Collected:

6/12/2015

Test

Method 7082

Method

7082

Parameter Analyzed 6/16/2015 Lead

Volume 1048 L Concentration <3.8 µg/m³

Client Sample Description

S756

S757

S758

Lab ID 341505823-0004 Collected:

6/12/2015

Outside 13th FI Decon Parameter

Lead

Analyzed 6/16/2015

Volume 1048 L

Concentration <3.8 µg/m³

Client Sample Description

Below 13th FI Decon

Lab ID 341505823-0005 Collected:

6/12/2015

Test Pb-FLAA

Method 7082

Method

7082

Parameter Lead

Analyzed 6/16/2015 Volume 1048 L Concentration <3.8 µg/m³

Client Sample Description

Lab ID 341505823-0006 Collected:

6/12/2015

Outside Exterior Fire Exit 10 FI Below

Parameter Analyzed Lead 6/16/2015 Volume 1048 L Concentration <3.8 µg/m3

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 06/16/2015 13:09:10



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

ProjectID:

CustomerPO:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand Phone:

(813) 626-8156

Fax: Received: (813) 623-6702

Collected:

06/16/15 8:48 AM

6/13/2015

**Test Report** 

Client Sample Description S759

Lab ID 341505823-0007 Collected:

6/12/2015

Outside Exterior 10th FI East

Method Pb-FLAA 7082

Parameter Lead

Analyzed 6/16/2015 Volume 1048 L Concentration

<3.8 µg/m3

Client Sample Description

Lab ID 341505823-0008 Collected:

Outside Exterior 10th FI West

Method 7082

Method

Parameter Lead

Parameter

Lead

Analyzed 6/16/2015 Volume 1048 L

Concentration <3.8 µg/m³

Client Sample Description

S761 Blank

Lab ID 341505823-0009 Collected:

6/12/2015

Concentration <4.0 µg/filter

Pb-FLAA 7082

Analyzed 6/16/2015 Volume 0 L

Client Sample Description

SCGW251

Lab ID 341505823-0010 Collected: Inside The 13th Floor Decon

6/12/2015

Test Pb-FLAA

Test

Test

Pb-FLAA

Method 7000B

Parameter Analyzed 6/16/2015 Lead

Area Sampled 144 in²

Concentration 52 µg/ft²

Client Sample Description

SCGW252

Lab ID 341505823-0011 Collected:

Outside The 13th Floor Decon

Test Method Pb-FLAA 7000B

Parameter Lead

Analyzed 6/16/2015 Area Sampled 144 in²

Concentration 30 µg/ft²

Client Sample Description

Lab ID 341505823-0012 Collected:

6/13/2015

18th Floor At Critical Barrier

Test Method Pb-FLAA 7082

S762

Parameter Lead

Analyzed 6/16/2015 Volume 872 L Concentration <4.6 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

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EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

06/16/15 8:48 AM

Collected:

6/13/2015

**Test Report** 

Client Sample Description

S763

Lab ID 341505823-0013 Collected

6/13/2015

(ADS) Inside Corvett

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 6/16/2015

Volume 840 L

Concentration <4.8 µg/m³

Concentration

<4.8 µg/m³

Client Sample Description

Test

Pb-FLAA

Lab ID 341505823-0014 Collected:

6/13/2015

Inside 13th FI Decon

Method 7082

Parameter Lead

Analyzed Volume 6/16/2015

Client Sample Description

S765 Outside 13th FI Decon Lab ID 341505823-0015 Collected:

840 L

6/13/2015

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 6/16/2015 Volume 840 L Concentration <4.8 µg/m³

Client Sample Description

Lab ID 341505823-0016 Collected:

6/13/2015

Test Pb-FLAA

Method 7082

Parameter I ead

Below 13th FI Decon

Analyzed 6/16/2015 Volume 840 L Concentration <4.8 µg/m³

Client Sample Description

S767

Lab ID 341505823-0017 Collected:

6/13/2015

Pb-FLAA 7082

Test

Test

Pb-FLAA

Method

Parameter Lead

Outside The Corvette

Analyzed 6/16/2015 Volume

840 L

Concentration <4.8 µg/m³

<4.7 µg/m³

Client Sample Description

Lab ID 341505823-0018 Collected:

6/13/2015

Outside Exterior 10th FI East

Method 7082

Parameter Lead

Analyzed 6/16/2015

Volume 850 L Concentration

Laboratory Manager

or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 06/16/2015 13:09:10



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orlandolab@emsl.com

EMSL Order:

OCCU56

CustomerID: CustomerPO:

ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

06/16/15 8:48 AM

Collected:

6/13/2015

Test

Test

Pb-FLAA

Pb-FLAA

Stennis B1 B2 Test Stand

### **Test Report**

Client Sample Description

S769

Lab ID 341505823-0019 Collected:

6/13/2015

Outside Exterior 10th FI West

Test Method Pb-FLAA 7082

Parameter

Lead

Analyzed 6/16/2015 Volume 850 L

Concentration <4.7 µg/m³

Client Sample Description

S770

Lab ID 341505823-0020 Collected:

6/13/2015

Blank

Method

7082

Parameter Lead

Analyzed 6/16/2015 Volume 0 1

Concentration <4.0 µg/filter

Client Sample Description

SCGW253

Lab ID 341505823-0021 Collected:

6/13/2015

Inside The 13th Floor Decon

Test Method Pb-FLAA 7000B

Parameter Lead

Analyzed 6/16/2015 Area Sampled 144 in²

Lab ID 341505823-0022 Collected:

6/13/2015

Client Sample Description

Method

7000B

SCGW254

Outside The 13th Floor Decon

Parameter

Analyzed 6/16/2015 I ead

Area Sampled 144 in²

Concentration

Concentration

200 µg/ft2

41 µg/ft2

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/fit which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563



### Lead (Ph) Chain of Custody EMSI Order ID (Leb (Ise Only))

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

F(4)2F	CIUCII	FRO OS	e Only).	
				_1
				- 1

				EMSL-Bill	n l	Different / Same	
Company: OH	C Environmental Engine	ering, Inc.		if Bill to is Differe	nt note inst	ruollons in Commens.**	1
Street: 5420 Bay Center Drive Suite 100  City, Tampa State/Province FL			Third Party Billing requires written authorization from third party				
С)ту. Тапра	State/P		il Code 33609		Country, United	Diates —	
Report To (Nan	n <u>e) (b)(4)</u>			e #. 813-626-819	58 <u>.                                    </u>		<u> </u>
Email Address	(b)(4	1)	Fax #: 8	113-623-6702		Purchase Order	
Project Name/F	Jumber: Stennis B1 B2 7	est Stand		rovide Results	FAX		Mail
US State Sam	ples Taken MS					io 🗌 Residential/Tax	Exempt
	Τμ	rnaround Time (TA					
3 Hour	☐ 6 Hour ☐ 24					2 Week	
		in accordance with EMS  Method	L's Tenns ei	nd Conditions (CCated Instrumer		Reporting Limit	Check
	Matrix						5110011
	wt. 🛘 mg/cm³ 🔲 ppm	SW846-70006		Flame Atomic Abs	OFFICE OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE	0.01%	
Alr 24 hr		NIOSH 7082		Flame Atomic Abs	orption	4 µg/filter	
2-4 (()		NIOSH 7105		Graphite Furnac		0.03 µg/filter	
		NIOSH 7300 mod	beili	ICP-AESIICP	MS	0.5 µg/filter	<b></b>
Wipe*	ASTM ASTM	SW/846-7000E	} 	Flame Atomic Abs	orption	10 µg/wipe	<u>@</u>
lif no bot in	non ASTM [] thecked, non-ASTM	SW846-8010B c	r G	ICP-AES		1.0 μg/wipe	<u> </u>
I DO NOVIG	Wipe le assissed	SW846-7000B/7	010	Graphite Fumace AA		0.075 µg/wipe	
TCLP		SV/846-1311/7000B/S		Flame Atomic Abs	noilgio	0 4 mg/L (ppm)	
		SW846-1131/SW848-8		ICP-AES		0.1 mg/L (ppm)	<del></del>
Soil		5W846-70008		Flame Atomic Abs		40 mg/kg (ppm)	<del>╏╶╞╡</del> ╌┧
		SW846-7010 SW846-6010B d		Graphite Furnac	20 100	0.3 mg/kg (ppm) 2 mg/kg (ppm)	┞┈╞╡╌┤
		SM31118/SW846-		Flame Atomic Abs	amtion	0.4 mg/L (ppm)	<del> </del>
Wastewater Unpreserved ☐ Preserved with HNO₂pH < 2 ☐		EPA 200.9		Graphite Furnac		0.003 mg/L (ppm)	
Preserved wi	th HNO₃pH < 2 ☐	EPA 200.7		ICP-AES		0.020 mg/L (ppm)	
Drinking Wat	ter Unpreserved 🔲	EPA 200.9		Graphite Furnac	æ AA	0.003 mg/L (ppm)	
Preserved wi	th HNO₃pH < 2 □	EPA 200.8		ICP-MS		0.001 mg/L (ppm)	<del>┞┈╘</del> ╅╾╌┨
TSP/SPM Filter		40 CFR Pan 50 40 CFR Pan 50		ICP-AES Graphile Furnace AA		12 µg/filter 3.6 µg/filter	<del>╏╌╞╡</del> ╌┨
Other		40 CPR PBICE	<i>v</i>	Graphwie Format	<i>x</i> :	2.0 kittintet	<del>┞╌╞╅╌┪</del>
	(1.)(4)	<u> </u>	Otem	tree of Courter		(b)(4)	
Name of Sam	poler Could Locati		1 Signa	ture of Sample: Volume/Are		Date/Time :	Sampled
Sample #			<del>[</del>	872L	<u>-</u> /	6/13/15 8:46a	
S762	18th Ficor at Ci			<del></del> ·			<del></del> -}
S763	ADS) Inside Corrette Spot Attetement		<del></del>			6/13/15 8:55am 3:20pm	
S764	Inside 13th Fl Decon		840L			6/13/15 9:05am 3:30pm	
S765	Outside13th FI Decon				6/13/15 9:05:		
\$766	Below 13th			840L		6/13/15 9:07a	am 3:32pm
Client Samp.	le#'s 5762 · S	710 SCGW 25	3 506	w/25.4 Tota	# of \$		
Relinguisher	d (Client).	Date [.]	6/13/	15	_Time_	5:30 pm	
		(A) Date:	6	116/15	Time:	8.48	
Comments:	<u>-}:</u> (b)(	(4)	<del></del> 5.				
1							
]							

Page 1 of 2 pages





### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMS). Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX. (407) 599-9063

(b)(4)

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled						
S7671	Outside the Corvette	840L	6/13/15 8:55am 3:20pm						
S768	Outside Exterior 10th Fl East	850L	6/13/15 9:10am 3:50pm						
S769	Outside Exterior 10th Fl West	850L	6/13/15 9:10am 3:50pm						
S770	Blank		6/13/15						
SCGW253	Inside the 13th Floor Decon	12x12	6/13/15						
SCGW254	Outside the 13th Floor Decon	12x12	6/13/15						
L.—.									
<u> </u>									
Comments/Special Instructions									

Page 2 of 2 pages

Attached please find the test results for air and wipe samples collected on July 1, 2014. All the air samples were below detection limit except for the blaster which was above the PEL. the blaster is wearing proper PPE for this exposure level. The wipe samples are well within acceptable ranges.

(b)(4) . MS, CIH

President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone:
(b)(4)
Email: (b)(4)

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Friday, July 03, 2015 3:30 PM

To: (b)(4)
Subject: EMSL report for order(s) (b)(4) - Stennis B1 B2 Test

Stand)

Report for order(s):

(b)(4) - Stennis B1 B2 Test Stand

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http://www.emsl.com/><http://www.emsl.com/> (5)(4) | Lead Supervisor
EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804
Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170
Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical, Inc. offers to our clients: LABConnect <a href="https://extranet.emsl.com/">LABConnect <a href="http://extranet.emsl.com/">http://extranet.emsl.com/</a> | Order Products <a href="http://www.emsl.com/ProductCatalogHome.aspx">http://www.emsl.com/ProductCatalogHome.aspx</a> | Client Corner<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=477</a> | Additional Resources<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=421">http://www.emsl.com/index.cfm?nav=Pages&ID=421</a> | Sampling Videos<a href="http://www.emsl.tv">http://www.emsl.tv</a>

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EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702 07/03/15 8:45 AM

Collected:

7/1/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S848 341506455-0001	7/1/2015 Site: 18th F	7/3/2015 Floor At Critica	1090 L I Barrier	3.7 µg/m³	<3.7 μg/m³
S849 341506455-0002	7/1/2015 Site: (b)	7/3/2015 (ADS) I	1030 L Blasting Inside The 18th Fl. S C	3.9 µg/m³	420 µg/m³
S850 341506455-0003	7/1/2015 Site: Inside	7/3/2015 e 13th FI Deco	1030 L	3.9 µg/m³	<3.9 μg/m³
S851 341506455-0004	7/1/2015 Site: Outsi	7/3/2015 ide 13th FI Dec	1030 L	3.9 µg/m³	<3.9 µg/m³
S852 341506455-0005	7/1/2015 Site: Belov	7/3/2015 w 13th FI Deco	1030 L n	3.9 µg/m³	<3.9 µg/m³
S853 341506455-0006	7/1/2015 Site: Outsi	7/3/2015 ide Exterior 10	1002 L th FI Center	4.0 μg/m³	<4.0 µg/m³
S854 341506455-0007	7/1/2015 Site: Outsi	7/3/2015 ide Exterior 10	1002 L th FI East	4.0 μg/m³	<4.0 µg/m³
S855 341506455-0008	7/1/2015 Site: Outsi	7/3/2015 ide Exterior 10	1002 L th FI West	4.0 μg/m³	<4.0 µg/m³
S856 341506455-0009	7/1/2015 Site: Blank	7/3/2015 k	0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 07/03/2015 15:28:52



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(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order:

OCCU56

CustomerID: CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

(813) 626-8156 Phone:

(813) 623-6702 Fax:

07/03/15 8:45 AM Received: Collected: 7/1/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW276	7/1/2015	7/3/2015	144 in²	10 μg/ft²	81 µg/ft²
341506455-0010	Site: Inside The 13th Floor Decon				
SCGW277	7/1/2015	7/3/2015	144 in²	10 μg/ft²	150 μg/ft²
341506455-0011	Site: Outsi	de The 13th F	loor Decon		



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe, ug/wipe = ug/fl2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 07/03/2015 15:28:52

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

(h)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

					-	1540Y0-11 /10	
Company : OHO	Environmental Engine	ering, Inc.		· ·	note in str.	ifterent / Same uctions in Comments**	
Street, 5420 Bay Center Drive Suits 100					s <u>writtan</u> :	uthorization from third pa	
City Tampa	State/Province FL			I <u>Code</u> 33609 _		Country: United	States
Report To (Nam	e) (b)(4)		Telephon	e# 813-626 <u>-815</u> 6	5	<del></del>	
Email Address:	(b)(4	.)	Fax #: 8	31 <u>3-623-6702</u>		Purchase Order	
Project Name/N	umber Stennis B1 B2 1	est Stand	Please Pr	ovide Results:	FAX	R-mail	Mail
U.S State Samp	oles Taken, MS					e 🔲 Residential/Tax	Exempt
	Tu	rnaround Time (TA					
☐ 3 Hour	6 Hour <b>=</b> 24						2 Week
		d in accordance with EMS	L's Tarms ar	nd Conditions located in Instrument	n the Fric	Reporting Limit	Check
	Matrix	Method					Ollery
	wt. 🗌 mg/cm² 🔲 ppm	\$\V846-7000E	3	Flame Atomic Abso		0.01%	
^{Air} 24 hr.		NIOSH 7082		Flame Atomic Abso	<b></b> →	4 μg/filter	_ 🖷
_,,,,,,,		NIOSH 7105		Graphile Furnace		0.03 µg/filter	┝
		NIOSH 7300 mod		ICP-AES/ICP-M		0.5 µg/filter	
Milbe.	ASTM 🗵 non ASTM 📋	SW848-7000E		Flame Atomic Abso	rption	10 µg/wipe	<del>  -                                    </del>
*if no box is t	hacked, non-ASTM	SW848-6010B o		ICP-AES		1.0 µg/wipe	┈╫╼
ļ	Mige to assumed	SANSAS 70000FT		Graphile Furnace	<del></del>	0.075 μg/wipe	┝┼┼
TCLP		SW846 1311/7000B/S SW846-1131/SW846-6		Flame Alomic Abso	rption	0.4 mg/L (ppm) 0.1 mg/L (ppm)	┍╌┾╡╌┃
		SW846-7000I	-	Flame Atomic Abso	rotion	40 mg/kg (ppm)	<del>- } -</del>
Soil		SVV846 7D10		Graphia Furnace		0.3 mg/kg (ppm)	┟╌╞╣╶┤
		SIN 845-6010E		ICP-AES	{	2 mg/kg (ppm)	
		SM3111B/SW846		Flame Atomic Abso	votion	0.4 mg/L (ppm)	
Wastewater	Unpreserved ☐ h HNO₅pH < 2 ☐	EPA 200.9		Graphite Furnace	AA	0.003 mg/L (ppm)	<u> </u>
<u> </u>		EPA 200.7		ICP-AES		0.020 mg/L (ppm)	┠╼═╋╦┼╼═
	or Unpreserved 🔲	€PA 200.9		Graphite Furnace	· AA	0.003 mg/L (ppm) 0.001 mg/L (ppm)	<del>╽╶╞╡</del> ╸┈
Preserved wit	h HNO₃pH < 2 □	EPA 200 Я 40 CFR Part 5	in .	ICP-AES	<del></del> }	12 µg/filter	┝╌┾┼╾╸
TSP/SPM Fift	<del>o</del> r	40 CFR Part 5		Graphite Furnace	-AA	3.6 µg/filter	╿ <del>╌╞</del> ╸╸
Other							
	plan (b)(4)	<u> </u>	Signs	ature of Sampler:		(b)(4)	
Name of Sam	Locat	ron	1 43311	Volume/Area		Date/Time :	Sampled
Sample# S848	18th Floor at C		<del>                                     </del>	1090L		7/01/15 6:55a	
ļ		e the 18th FIS Containment		1030L	<del></del>	7/01/15 7:10a	
S849 5050			<del> -</del>	1030L		7/01/15 7:10a	
S850	Inside 13th		<del> </del>	1030L		7/01/15 7:108	
S851	Outside13th FI Decon  Below 13th FI Decon		1030L 1030L		7/01/15 7:11am 3:48p		
\$852			<u>)                                    </u>		# of Sa	imples: 11	3FFF 0. FOD
Client Sampl	(1.) (		7/01/		Time:	5:30 pm	
Relinguished	Relinguished (Cilent) (b)(4) Date		701015		8:45		
Received (Lab	<u>Date.</u>	_ \ <i>-<u>-</u>1/2</i>	2// <u>ユー</u> ユ	<u>Time:</u>			
Comments	(b)(4)		•				
l						<u></u>	1 _
		Page 1 of	Z page	25		NO. 719	115
						•	

OrderID: (b)(4)



### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX (407) 599-9063



Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

	Outside Exterior 10th Fl Center  Outside Exterior 10th Fl East	1002L 1002L	7/01/15 7:14am 3:35pm
S855 O		1002L	
			7/01/15 7:14am 3:35pm
S856	utside Exterior 10th Fl West	1002L	7/01/15 7:14am 3:35pm
	Blank	0L	7/01/15
		40.40	7/04/45
SCGW276	nside the 13th Floor Decon	12x12	7/01/15
SCGW277	outside the 13th Floor Decon	12x12	7/01/15
	·		
-			
Comments/Spec	ial Instructions:		

 $_{\text{Page}}\underline{2}_{\text{of}}\underline{2}_{\text{pages}}$ 

Attached please find the test results for the air and wipe samples collected on July 2, 2015. All the samples are well within acceptable levels.

(b)(4)

President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone:
(b)(4)

www.OHCNET.com<http://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Tuesday, July 07, 2015 1:20 PM

To: (b)(4)

Subject: EMSL report, COC for order(s) (b)(4) - Stennis B1 B2

Test Stand)

Email:

Report, COC for order(s):

- Stennis B1 B2 Test Stand

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http://www.emsl.com/><http://www.emsl.com/>
Analyst /LaboratoryTechnical Director

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804 Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical, Inc. offers to our clients:
LABConnect <a href="https://extranet.emsl.com/">https://extranet.emsl.com/</a> | Order Products <a href="http://www.emsl.com/ProductCatalogHome.aspx">http://www.emsl.com/ProductCatalogHome.aspx</a> | Client Corner<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=477</a> | Additional Resources<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=421">http://www.emsl.com/index.cfm?nav=Pages&ID=421</a> | Sampling Videos<a href="http://www.emsl.tv">http://www.emsl.tv</a>

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ATT00001.png (b)(4) pdf ima

pdf image001.png



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order:

OCCU56

CustomerID: CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Tampa, FL 33609

(813) 623-6702 Fax: 07/07/15 8:42 AM Received:

Collected:

Phone:

7/2/2015

(813) 626-8156

Project: Stennis B1 B2 Test Stand

**Test Report** 

Client Sample Description

Lab ID 341506508-0001 Collected:

7/2/2015

18th Floor At Critical Barrier

Method Test Pb-FLAA 7082

Parameter Lead

Analyzed 7/7/2015 Volume 1126 L

7/2/2015

Client Sample Description

Test

Pb-FLAA

Pb-FLAA

Test

Pb-FLAA

Lab ID 341506508-0002 Collected: (ADS) Blasting Inside 18th

Method

Parameter Lead 7082

Analyzed 7/7/2015 Volume 1060 L

Concentration <3.8 µg/m³

Concentration

<3.6 µg/m³

Client Sample Description

S859

S860

Lab ID 341506508-0003 Collected:

7/2/2015

Inside 13th FI Decon

Method Test Pb-FLAA 7082

Parameter Lead

Analyzed 7/7/2015

Volume 1060 L Concentration

Concentration

<3.8 µg/m³

<3.8 µg/m³

Client Sample Description

Outside 13th FI Decon

Lab ID 341506508-0004 Collected:

7/2/2015

Method Test

7082

7082

Parameter Lead

Analyzed 7/7/2015 Volume 1060 L

Client Sample Description

Below 13th FI Decon

Method

S861

Parameter Lead

Analyzed 7/7/2015

Volume 1010 L

Lab ID 341506508-0005 Collected:

7/2/2015

Concentration <4.0 µg/m³

Client Sample Description

Lab ID 341506508-0006 Collected:

7/2/2015

Outside Exterior 10th FI Center

Test Method Pb-FLAA 7082

S862

Parameter Lead

Analyzed 7/7/2015

Volume 960 L

Concentration <4.2 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 07/07/2015 13:18:39



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone: Fax:

(813) 623-6702

Received:

07/07/15 8:42 AM

Collected:

7/2/2015

Project: Stennis B1 B2 Test Stand

**Test Report** 

Client Sample Description

Lab ID 341506508-0007 Collected:

7/2/2015

Outside Exterior 10th FI East

Test Method

Parameter

Analyzed

Volume

Concentration

Pb-FLAA

Test

Test

Test

Test

Pb-FLAA

Pb-FLAA

Pb-FLAA

7082

Method

Method

7000B

Method

7000B

7082

Lead

7/7/2015

960 L

<4.2 µg/m³

Client Sample Description S864

Lab ID 341506508-0008 Collected:

7/2/2015

Outside Exterior 10th FI West

Method Pb-FLAA 7082

Parameter Lead

Analyzed 7/7/2015 Volume

960 L

Concentration

<4.2 µg/m³

Client Sample Description

S865

Lab ID 341506508-0009 Collected:

7/2/2015

Blank

Lead

Lead

Parameter

Lead

Parameter Analyzed

Volume

Concentration <4.0 µg/filter

Client Sample Description

SCGW278

Lab ID 341506508-0010 Collected:

0 L

7/2/2015

Inside The 13th Floor Decon Parameter

Analyzed 7/7/2015

7/7/2015

Area Sampled 144 in²

Concentration

<10 µg/ft2

Client Sample Description

Lab ID 341506508-0011 Collected:

7/2/2015

SCGW279

Outside The 13th Floor Decon

Analyzed 7/7/2015 Area Sampled 144 in²

Concentration 23 µg/ft2

Laboratory Manager

or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 07/07/2015 13:18:39

EMSL

# Lead (Pb) Chain of Custody EMSL Order ID (Leb Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

			<u></u>			105	
COMPANY	C Environmental Engine		]	EMSL-I If Bill to is ⁰	Bill to: Ifferent note instr	jifferent ✓ Same yobonş⊮ Comments'	
Street: 5420 Bay Center Drive Suite 100				rd Party Billing (	equires written	authorization from third pu	ady .
City Tampa	State/Pr		Zip/Posta	Code: 3360	9	Country: United	States
Report To (Nam	(b)(4)		Telephon	e # 813-626	-8156		
Email Address		\	Fax #. 8	13-623-6702	<u> </u>	Purchase Order.	
Deninal Name/N	umber Stennis B1 B2 T	est Stand	Please Pr	ovide Result	FAX	✓ E-mail	Mail
U.S. State Samp	nine Tokon: MS					le <u>□ Resid</u> ential/Tax	Exempt
U.S. State Sent	ijes rakan, me	maround Time (T					
3 Hour	☐ 6 Hour				96 Hour	☐ 1 Week	2 Week
	Analysis completes	in accordance with EM	SL's Terms ar	nd Conditions in	caled in the Pn	çe Guide	
	Matrix	Method		Instru	ment	Reporting Limit	Check
Chips 🗆 % by	wt. 🗌 mg/cm² 📋 ppm	SW846-7000	)B	Flame Atomic	: Absorption	0.01%	
Air 24 hr		NIOSH 708	2	Flame Alomic		4 μg/filter	
2 <del>4)</del> III		NIOSH 710		Graphite Fi		0.03 µg/filter	┠╌╞╣╌┦
		NIOSH 7300 mc	dified	ICP-AE®		0.5 µg/filter	┞╌╠╬╼╍┫
Wipe*	ASTM K	5W846-700I	)B	Flame Atomia	Absorption	10 µg/wipe	<u> </u>
<u> </u>	non ASTM [] checked, non-ASTM	\$W846-6010B		ICP-		1.0 µg/wipe	┞┈╬┈┤
-it no thos ter	Wipe is assumed	SW846-7000B	7010	Graphite Furnace AA		0.075 µg/wipe	
TCLP		SW846-1311/7000B		Flame Atomic Absorption		0.4 mg/L (ppπ)	
		SW846-1131/SW846	-6010B or C	ICP-		0.1 mg/L (ppm)	┝╼┾╡
Soil		SW848-700		Flame Alomic Absorption Graphite Furnace AA		40 mg/kg (ppm)	<del>╏╶╞╡</del> ╌┧
1		SW846-70 SW846-6010E		<u> </u>	umace AA AES	0.3 mg/kg (ppm) 2 mg/kg (ppm)	<del>╏╶</del> ╞═┩┈┤
		\$M31118/\$W84		Flame Atomi		0.4 mg/L (ppm)	
Wastewater	Unpreserved ☐ th HNO₃bH < 2 ☐	EPA 200.		Graphite F		0.003 mg/L (ppm)	
Preserved wit	th HNO₃pH < 2 □	EPA 200.7		ICP-AES		0.020 mg/L (ppm)	
Deinking Wal	ter Unpreserved	EPA 200.		Graphits F	umace AA	0.003 mg/L (ppm)	
	ith HNO₃pH < 2 □	EPA 200.	8	ICP	MS	0.001 mg/L (ppm)	<del>┝╌╞</del> ╧╌┦
		40 CFR Par		1	AES	12 µg/filter	╂┈╞┽╌┧
TSP/SPM FIN	ter	40 CFR Par	t 50	Graphite F	umace AA	3.6 µg/filter	<del>╿┈╞╡╸</del> ┫
Other.				1			
Name of San	npler. (b)(4)		Sign	ature of San		<u>(b)(4)</u>	
Sample #	Locat	ion		<u>Volume</u>	Area *	Date/Time	
\$857	18th Floor at C	ritical Barrier		1126	6L	7/02/15 7:02	em 4:25pm
\$858	ACS) Blasting (nekt	AOS) Blasting Inskie the 18th FLS Containmen			<u>)</u>	7/02/15 7:25	
\$859	Inside 13th	FI Decon		106	ol <u></u>	7/02/15 7:25	
S860	Outside13th	Fl Decon		106	OL	7/02/15 7:25	
S861	Below 13th	Fi Decon		101		7/02/15 7:35	am 4:00pm
Chent Samp	le#'s  5057 - S	BUS SCGW	178 SC	LW279	Total # of 5		
		Date	7/00	/15	Time	5:30 pm	
Relinquishe	·			2/17	-	8:42A	^
Received (La	<u>b):</u> (b)(4	Data:	-17/-	4~ —	Time		
Comments				•			
1							

Page 1 of 2 pages



## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adamson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample#	Location	Volume/Area	Date/Time Sampled
\$862	Outside Exterior 10th FI Center	960L	7/02/15 7:50am 3:50pm
S863	Outside Exterior 10th FI East	960L	7/02/15 7:50am 3:50pm
S864	Outside Exterior 10th Fl West	960L	7/02/15 7:50am 3:50pm
S865	Blank	OL	7/02/15
SCGW278	Inside the 13th Floor Decon	12x12	7/02/15
SCGW279		12x12	7/02/15
_ <b>_</b>			
<u> </u>			
Comments/5	special Instructions:		

Page 2 of 2 pages



FW: EMSL report, COC for order(s)

Stennis B1 B2

Test Stand)

07/17/2015 05:33 AM

Attached please find the test results for the air and wipe samples collected on July 10, 2015. All the air samples were within acceptables levels. One of the wipe sample collected outside the decon on level 13 was elevated. ADS was instructed to clean up the area.

MS, CIH

President

[cid:image001.png@01CD10DB.A9302780] OHC Environmental Engineering Inc.

5420 Bay Center Drive

Florida 33609 Tampa,

Phone:

Cell:

Email: www.OHCNET.com<http://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Wednesday, July 15, 2015 12:00 PM

To:

- Stennis B1 B2 Subject: EMSL report, COC for order(s)

Test Stand)

Report. COC for order(s):

- Stennis B1 B2 Test Stand

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http://www.emsl.com/><http://www.emsl.com/> (h)(4) | Lead Supervisor EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804

Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170

Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

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Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: (b)(4

: OCCU

CustomerPO: ProjectID:

Attn: (b)(4)

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

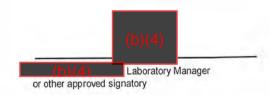
Project: Stennis B1 B2 Test Stand

Phone: (813) 626-8156 Fax: (813) 623-6702 Received: 07/14/15 9:30 AM

Collected: 7/10/2015

## Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	ampleDescription Collected Analyzed Volume		RDL	Lead Concentration	
S884 341506767-0001	7/10/2015 7/14/20 Site: 18th FI Inside		22 µg/m³	<22 µg/m³	
S885 341506767-0002	7/10/2015 7/14/20 Site: (b)(4)	15 750 L DS) Inside South Side Containment	5.3 μg/m³	12 µg/m³	
S886 341506767-0003	7/10/2015 7/14/20 Site: Inside 13th FI		5.3 μg/m³	<5.3 μg/m³	
S887 341506767-0004	7/10/2015 7/14/20 Site: Outside 13th F		5.3 μg/m³	<5.3 μg/m³	
S888 341506767-0005	7/10/2015 7/14/20 Site: Below 13th FI		5.4 μg/m³	<5.4 μg/m³	
S889 341506767-0006	7/10/2015 7/14/20 Site: Outside 10th I		5.6 μg/m³	<5.6 μg/m³	
S890 341506767-0007	7/10/2015 7/14/20 Site: Outside 10th I		5.6 μg/m³	<5.6 μg/m³	
S891 341506767-0008	7/10/2015 7/14/20 Site: Outside 10th		5.6 μg/m³	<5.6 μg/m³	
S892 341506767-0009	7/10/2015 7/14/20 Site: Blank	15 0 L	4.0 µg/filter	<4.0 µg/filter	



"Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter, ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "\"\" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC—ELLAP Accredited #163563.

Report Amended: 07/15/2015 11:58:50 Replaces the Inital Report 07/14/2015 16:21:56. Reason Code: Client-Change to Sample ID



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

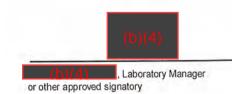
Phone: Fax:

(813) 626-8156 (813) 623-6702

Received: Collected: 07/14/15 9:30 AM 7/10/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW284 341506767-0010	7/10/2015 Site: Inside	7/14/2015 e The 13th Flo	144 in² or Decon	10 μg/ft²	61 µg/ft²
SCGW285 341506767-0011	7/10/2015 Site: Outsi	7/14/2015 ide The 13th F	144 in² loor Decon	10 µg/ft²	380 µg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe, ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 07/14/2015 16:21:56



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE (407) 599-5887

			<u> </u>	. , , , ,						FAX: (4 <u>07)</u>	599-9063
Company : OF	IC Environmental	Engine	ering, li	T.C.			MSL-Bill tols Differ			rent 🗸 Sat in Comm <b>e</b> nts	ne
	lay Center Drive S				7%	iert Doets D	With many	ícan wr <del>átl</del> ar	. =ulhar	ization from third	i dodie
City: Tampa State/Province: FL				Zip/Post			NG2 MICCO		Country Unite		
Report To (Na	me) (b)(4)			·	Telephor	e# 813	626-81	58			
Email Address		/b\//	1)		Fax #				-	urchase Ord	er:
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☐ 3 Hour	□ 6 Ношг	■ 24		48 Hо⊔г		2 Hour		Hour	، برا	1 Week	2 Week
	I I			dance with EMS							= <u></u>
	Matrix			Method			strume			orting Limit	Check
Chips 🗆 % b	y wt. 🗌 mg/cm² 📋	] ppm		5W846-7000E	3	Flame A	Marnic Abs	sorption		0.01%	
Air 24 hr.				NIOSH 7082		Flame A	Morhic Abs	sorption	-	4 µg/filter	Æ
<u> </u>				N1OSH 7105		Graph	ile Fumac	Ce AA		03 µg/filter	
		Y	N	(OSH 7300 mod	lified	IGP	AES/ICP-	MŞ	0	.5 µg/filter	
₩ipe*	ASTM			5W848-7000B	3	Flame A	Atomic Abs	noilgros	1	0 µg/wipe	
'If no box le	non ASTM checked, non-ASTM		:	5W846-6010B o	or C		ICP-AES		1	0 µg/wipe	
	Wipe is assumed			\$W846 7000B/7	010	Graphile Furnace AA		0.0	75 μg/wipe		
TCLP				6-1311/70008/5	· .: <u>-:-</u>	Flame Alomic Apporption			mg/L (ppm)_		
		· · · · · · · · · · · · · · · · · · ·	SW846	-1131/\$W846-6	<del></del>		ICP-AES			mg/L (ppm)	
Soil				SW846-70008			tornic Abs			ng/kg (ppm)	╌╏╌╞═╣╌╌╏
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				3111B/SW846-1			Mornic Abs	orptlon		mg/L (ppm)	╂╼╤
Wastewater	Unpreserved		EPA 200.9		· · · · · · · · · · · · · · · · · · ·	Graphile Fumace AA		0.003 mg/L (ppm)			
Preserved W	ith HNO₃ pH < 2	il	EPA 200.7		1CP-AES		0.020 mg/L (ppm)				
	ter Unpreserved			EPA 200.9		Graph	nte Furna	ce AA		3 mg/L (ppm)	
Preserved w	ith HNO ₃ pH < 2			EPA 200.8			ICP-MS			)1 mg/L (ppm)	
TSP/SPM Fil	ter			40 CFR Part 5			ICP-AES			2 µg/filter	<del>┩╼╞╡╼</del> ┃
Other				40 CFR Part 5	<del>y</del> U	Grapi	ile Fumac	ce AA	3	.6 µg/filter	┸
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Sample # S844	12th fice	Locati r (peid		Care -	<del>                                     </del>		<u>me/A</u> re 180L	<b>a</b> /			Sampled Opm 2:50pm
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\$845				. —	<u> </u>			<b></b>		į	5em 2:50pm
S846	·		FI Dec		<del> </del>		750L 750L		~	<del>├</del>	
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Received (Lai	b)-			Date.	_ 17//	1 <u>    </u> 5		Time.		9:301	
Comments					T	<i></i>					

Page 1 of 2 pages

OrderID:	(h)(4)



## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc.	
5125 Adanson Street, Suite 9	)()

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample#	Location	Volume/Area	Date/Time Sampled
S849	Outside 10th FI Center Exterior	720L	7/10/15 8:40pm 2:40pm
S850	Outside 10th FI East Exterior	720L	7/10/15 8:40pm 2:40pm
S851	Outside 10th Fl West Exterior	720L	7/10/15 8:40pm 2:40pm
\$852	Blank	OL	7/10/15
		n e	
SCGW284	Inside the 13th Floor Decon	12x12	7/10/15
SCGW285	Outside the 13th Floor Decon	12x12	7/10/15
		, Au	
·····			
****			
			1
Comments/S	pecial Instructions:		

Page 2 of 2 pages

Attached please find the test results for the samples collected on July 11, 2015. All the air and wipe samples are within acceptable levels.

(b)(4) MS, CIH

President
[cid:image001.png@01CD10DB.A9302780]

OHC Environmental Engineering Inc.
5420 Bay Center Drive

Tampa, Florida 33609

Phone:
(b)(4)

Email: (b)(4)
www.OHCNET.com<a href="http://www.ohcnet.com/">http://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Wednesday, July 15, 2015 11:58 AM

To: (b)(4)

Subject: EMSL report, COC for order(s) - Stennis B1 B2

Test Stand)

Report, COC for order(s):

(b)(4) - Stennis B1 B2 Test Stand

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http://www.emsl.com/index.cfm?nav=Pages&ID=420> | Training< http://www.emsl.com/index.cfm?nav=Pages&ID=477> | Additional Resources<

http://www.emsl.com/index.cfm?nav=Pages&ID=421> | Sampling Videos<

http://www.emsl.tv>

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5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609 Project: Stennis B1 B2 Test Stand Fax: Received:

Phone:

(813) 626-8156 (813) 623-6702

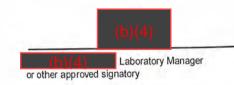
07/14/15 9:30 AM

Collected:

7/11/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
5893 341506765-0001	7/11/2015 7/14/2015 Site: 18th Floor Inside Soft	1090 L Core	3.7 µg/m³	<3.7 µg/m³
5894 341506765-0002	7/11/2015 7/14/2015 Site: (b)(4) ADS)	896 L Blasting Inside S. Containme	4.5 μg/m³	43 μg/m³
S895 341506765-0003	7/11/2015 7/14/2015 Site: Inside 13th FI Decon	1016 L	3.9 µg/m³	<3.9 µg/m³
S896 341506765-0004	7/11/2015 7/14/2015 Site: Outside 13th FI Deco	1016 L n	3.9 µg/m³	<3.9 µg/m³
S897 341506765-0005	7/11/2015 7/14/2015 Site: Below 13th FI Decon	1016 L	3.9 µg/m³	<3.9 µg/m³
S898 341506765-0006	7/11/2015 7/14/2015 Site: Outside 10th FI Cent	1000 L er Exterior	4.0 μg/m³	<4.0 μg/m³
S899 341506765-0007	7/11/2015 7/14/2015 Site: Outside 10th FI East	1000 L Exterior	4.0 µg/m³	<4.0 µg/m³
S900 341506765-0008	7/11/2015 7/14/2015 Site: Outside 10th FI Wes	750 L t Exterior	5.3 μg/m³	<5.3 μg/m³
S901 341506765-0009	7/11/2015 7/14/2015 Site: (b)(Z) (Natal) Ir	750 L nside S. Side Containment	5.3 μg/m³	<5.3 μg/m³
S902 341506765-0010	7/11/2015 7/14/2015 Site: Blank	0 L	4.0 μg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter, ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Report Amended: 07/15/2015 11:56:34 Replaces the Inital Report 07/14/2015 16:20:21. Reason Code: Client-Change to Sample ID

Orlando, FL 32804



## Lead (Pb) Chain of Custody

 EMOL Order ID (Lab Use	Only):

5125 Adanson Street, Suite 90

HAMP ANALY	TIGAL, MC.	j						F	⁵ HONE: <b>(407)</b> 5		
				(6)(	17				FAX. (407) 5		
	HC Environmenta					EMSL-Bill to Different / Same					
	Bay Center Drive	Suite 10	<u>,0                                    </u>		Î Tr		iling requires writte			n Arty	
City Tampa		State/F	Province.	FL		al Code: 3			Country United		s
Report To (Na	ımaj. (b)(4)	Ī . <u></u>			1	<u>1e #· 813</u> -					-
Email Address		(b)(4	1		-,	813-623 <b>-</b> 6		P	urchase Order		•
Project Name	Mumber: Stennis	B1 B2	Test Stand			rovide Rec	~· <del>~~~~~</del> ~~ -	=	E-mail	Mail	
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	A count			7300 mad			AES/ICF-MS		5 µg/filter	<del>}</del> 	1
Wipe*	ASTM non ASTM		r	846-70008 8-60108		<del></del>	tomic Absorption CP-AES	t ·	Dug/wipe		₫ —
fif no box is	checked, non ASTA Wipe is assumed			5-70000/7			te Furnace AA	<del></del>	0 µg/wipe	<b> </b>	1
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Soli			<del></del>	846-7000E			tomic Absorption		ng/kg (ppm)		<del>                                     </del>
		,	<u> </u>	846-7010		Graphia	te Furnate AA	0.3 n	ng/kg (ppm)		
			<del></del>	6-6010B o			CP-AES	2 m	g/kg (ppm)		
Wastewater			SM31118		7000B		omic Absorption		mg/L (ppm)		Ļ _
Preserved wi	ith HNO ₃ pH < 2			PA 200.9 PA 200.7			te Furnace AA CP AES		mg/L (ppm) ) mg/L (ppm)	┟┈┾╛	_
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Preserved wi	ith HNO ₃ pH < 2			A 200.8			ICP-MS		1 mg/L (ppm)		<u>_</u> _
TSPISPM FILE	ter			FR Part Si	}	<u> </u>	CP-AES		2 ug/filter		
Other			40 4.7	FR Part 5	<u>0</u>	Graphit	te Furnace AA	3.4	6 μg/filter		
				<del></del>	<del></del>						
Name of Sam	10(er (b)(4)	- cati		-	Signa	ture of Sa		(1	0)(4)		
Sample#		Locatio			<del> </del>		ne/Area	+	Date/Time S		
\$853	<del> </del>		e Soft Core		<del> </del>		19 <u>0L</u>	+	7/11/15 8:00a		<u> </u>
\$854		·	Inside tha S. Cont	ainment j	l		96L		7/11/15 6:12a		-' —
<u></u>	Inside	<u>e13th</u> F	F <u>l_Decon</u>		L	10	116L		7/11/15 <b>6</b> :12a	m_2:40	)pm
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\$857	I ``	v 13th F	FI Decon			10	16L	<u> </u>	7/11/15 6.13a	m 2:41	ρm
Citient Sampl	le#'s 5853	-586	2. SCGV	4 ZB6	SCEW	267	Total # of Sa	mples	: 14/2		
Refinquished	d (Chent):			)a <u>te</u>	7/11/1	5	Time		5:30 pm		
Received (Lab	<u>a):</u>			ate:	19/	415	Time:	_ {	1:3011		
Comments:											
}				4							

Page 1 of 2 pages





## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S858	Outside 10th FI Center Exterior	1000L	7/11/15 6:15am 2:35pm
\$859	Outside 10th FI East Exterior	1000L	7/11/15 6:15am 2:35pm
S860	Outside 10th Fl West Exterior	750L	7/11/15 6:15am 1:30pm
\$861	(b)(4) (Natal) Inside the S. Side Containment/Priming	750L	7/11/15 1:40pm 7:55pm
S862	Blank		7/11/15
SCGW286	Inside the 13th Floor Decon	12x12	7/11/15
SCGW287	Outside the 13th Floor Decon	12x12	7/11/15
<u> </u>			
			·
	<b>\</b>		

Page 2 of 2 pages



FW: EMSL report, COC for order(s) (b)(4) - Stennis B1 B2 Test Stand)

(b)(4)

(b)

07/17/2015 05:28 AM

Attached please find the test results for air and wipe samples collected on July 13. All the air samples were below detection limit except for the blaster. The blaster was wearing proper protective equipment for the exposure level detected. The wipe samples were all within acceptable limits.

(b)(4)

MS, CIH

President

[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.

5420 Bay Center Drive Tampa, Florida 33609

Phone: (b)(4)

Email:

www.OHCNET.com<a href="http://www.ohcnet.com/">

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Wednesday, July 15, 2015 2:11 PM

To: (b)(4)

Subject: EMSL report, COC for order(s) - Stennis B1 B2

Test Stand)

Report, COC for order(s):

- Stennis B1 B2 Test Stand

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<http://www.emsl.com/>[cid:5d75ab80-2c71-4809-979c-cc7f4518f390]

http://www.emsl.com/><http://www.emsl.com/> Laboratory

Analyst /LaboratoryTechnical Director

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804

Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical, Inc. offers to our clients:

LABConnect <a href="https://extranet.emsl.com/"> Order Products </a>

http://www.emsl.com/ProductCatalogHome.aspx> | Client Corner<

http://www.emsl.com/index.cfm?nav=Pages&ID=420> | Training<

http://www.emsl.com/index.cfm?nav=Pages&ID=477> | Additional Resources<

http://www.emsl.com/index.cfm?nav=Pages&ID=421> | Sampling Videos<

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5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

07/15/15 8:45 AM

Collected:

7/13/2015

**Test Report** 

Client Sample Description

Lab ID 341506823-0001 Collected:

7/13/2015

17th FI Inside Soft Core

Method Test

7082

Method

7082

Parameter Lead

Analyzed 7/15/2015 Volume 1120 L

Concentration

<3.6 µg/m³

Concentration

Client Sample Description

Pb-FLAA

Test

Pb-FLAA

Pb-FLAA

\$904

Lab ID 341506823-0002 Collected:

7/13/2015

Parameter

ADS) Blasting 17th Analyzed 7/15/2015

Volume 480 L

60 µg/m³

Client Sample Description

Inside 13th FI Decon

Lead

Lab ID 341506823-0003 Collected:

7/13/2015

7/13/2015

Test

Method

7082

Parameter Lead

Analyzed 7/15/2015 Volume 1180 L Concentration

<3.4 µg/m3

Client Sample Description

S906

Lab ID 341506823-0004 Collected:

Outside 13th FI Decon

Test Method Pb-FLAA 7082

Parameter I pad

Analyzed 7/15/2015 Volume 1180 L

Concentration <3.4 µg/m³

Client Sample Description

S907

Lab ID 341506823-0005 Collected:

7/13/2015

Method 7082

Below 13th FI Decon Parameter Lead

Analyzed 7/15/2015 Volume

1180 L

Concentration <3.4 µg/m³

Client Sample Description

S908

Lab ID 341506823-0006 Collected:

7/13/2015

Outside 10th FI Center Exterior

Analyzed

Volume

Concentration

Test Pb-FLAA

Test

Pb-FLAA

Method 7082

Parameter Lead

7/15/2015

1090 L

<3.7 µg/m³

Laboratory Manager

or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter. ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method imitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items lested. Samples received in good condition unless otherwise noted.
"<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 07/15/2015 14:10:39



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156

Fax:

(813) 623-6702 07/15/15 8:45 AM

Received: Collected:

7/13/2015

Stennis B1 B2 Test Stand

**Test Report** 

Client Sample Description

S909

Lab ID 341506823-0007 Collected:

7/13/2015

Outside 10th FI East Exterior

Method Test Pb-FLAA 7082

Parameter Lead

Analyzed 7/15/2015 Volume 1090 L Concentration

<3.7 µg/m³

Client Sample Description

Lab ID 341506823-0008 Collected:

Outside 10th FI West Exterior

Method Pb-FLAA 7082

Parameter Lead

Analyzed 7/15/2015 Volume 630 L Concentration

<6.3 µg/m³

Client Sample Description

Test

Test

Pb-FLAA

Pb-FLAA

Test

Pb-FLAA

S911

Lab ID 341506823-0009 Collected:

7/13/2015

Vatal) Primer Paint 17th

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 7/15/2015 Volume 320 L

Lab ID 341506823-0010 Collected:

7/13/2015

Client Sample Description

S912 Blank

Method

Method

7000B

Method

7000B

7082

Lead

Parameter Analyzed

7/15/2015

Volume 0 L

Concentration <4.0 µg/filter

Concentration <13 µg/m³

Client Sample Description

SCGW288

Lab ID 341506823-0011 Collected:

7/13/2015

Inside The 13th Floor Decon

Parameter Analyzed 7/15/2015 Lead

Area Sampled 144 in²

Concentration <10 µg/ft²

Client Sample Description

SCGW28

Lab ID 341506823-0012 Collected:

7/13/2015

Outside The 13th Floor Decon

Parameter

Lead

Analyzed

7/15/2015

Area Sampled 144 in²

Concentration 50 µg/ft²

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft3 which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. **c*' (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial Report From 07/15/2015 14:10:39



## Lead (PD) Chain of Costody

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

EIN O	- OTOPITO (can use omy):
	(b)(4)
	(D)(4)

۳_	ompany OHC E	nvironmental E	nginee	ering, Inc.		<u>, , , , , , , , , , , , , , , , , , , </u>	EMSL-BILL to If BY to la Differen	o I nominaruc	Efereat ions in Com	Same aliquis	
1	pmpany 1 treet 5420 Bay (	Center Drive St.	ite 100	 1		TU	of Party Silling ration				nty _
				ovince:	FL -		Code: 33609	20 -41 (HB-) 344	Coun	ry. United	States
	ity Tampa		stermin. I	Assistant -	! <del>*</del> {		# 813-826-815				
	sport <u>To (Name)</u>	(b)(4)	/1- \ / 4	\			13-623-6702		Purch	ase Order	
<u>₽</u>	mall Address:	Otennia D	(D)(4	act Ctand	<b></b>		ovide Results	FAX	7 F-		Mail
	roject Name/Nun			est orang			es: 🗀 Commercia				
ļu	.S State Sample	s Taken; MS			June (T A)		es: [ ] Commercia s* - Please Chec		[] (ABPI	Mat date and	
<b>j</b>	<del></del>	TO A VIEW T	<u></u>		48 Hour		Hour 961	dour	[]1 We	ek 🗀	2 Week
- k-	3 Hour	6 Hour	omoletec	in accordance	with EMS	L's Tems er	d Conditions localed	in the Price	Guide		
-	М	atrix			Nethod		lnstrumen:		Reporti	ng Limit	Check
To	hips 🗌 % by wt		ppm	ŚW	/846-70008		Flame Atemic Abso	ограси	0.0	1%	
<b>}</b> —				N	OSH 7082	···	Flame Atomic Abso	notion	4 µg.	/filter	×
,	^{ur} 24 hr.				OSH 7105		Graphite Fumace		0.03 µ	g/filter	
ĺ					1 7300 mod	ified	ICP-AES/ICP-N		0.5 ús		
-	V(pe*	ASTM	<u>্</u>	51/	y848-70008	}	Flame Atomic Abso	orption		/wipe	K
'	Afhs.	MTSA non		59V8	46-6010B ¢		IÇP-AE\$		1.0 µş	g/wipe	L D.
Ì		cked, non-ASTM Nipe la assumed			6-7000B/7		Graphile Furnso	AA S	0,075	giwipe	
<u> </u>	rcup .	11.14 IZ - 14.1111		SW846-13			Flame Atomic Abs	orpiion	0.4 mg/	L (ppm)	
- 1	LLF		1	SW845-113			JCP-AES			(L (ppm)	
1	Boil				√846-7¢00l		Frame Atomic Abs			(maa)	<del>┡</del>
1	- •••		·		W846-7010		Graphite Furnac	e AA	0.3 mg/	g (ppm) g (ppm)	<del>┃</del> ┈┾╾┤╌
L					48-80108 < 18/SW846-		Flame Atomic Abs	tration)		<u>9 (ppm)</u> (L (ppm)	╏╼╞╃╾
- },	Wastewater	Unpreserved			18/31/840- EPA 200.9	7000	Graphite Furnac			g/L (ppm)	
	Preserved with				EPA 200.7		ICP-AES			g/L (ppm)	
H	Drinking Water	1)npreserved	'n		EPA 200.9		Graphite Furnac	e AA		g/L (ppm)	
-	Preserved with	HNO ₃ pH < 2	8		EFA 200.8		(ĈP-MS			ģ/L (ppm)	<del>▎</del> ┈ <del>╞</del> ╏┈
<u> </u>	TSP/SPM Filter				CFR Part		ICP-AES			g/filter g/filter	<del>┞</del> ╌╞╪╌
<u> </u>			٠	40	CER Part	5Ü	Graphite Furnad	***	ر ۵.۵	Grinter	<del>       </del>
L	Other:			<u>.                                     </u>		<del></del>	<u> </u>				<del>}</del>
. <u>.</u> L	Name of Samp		ļ			Signa	ture of Sampler Volume/Are			)ate/7ime	Sampled
<u> </u>	Sample #		Locat			├	1120L			13/15 8:05:	
403	\$863			<u>le Soft Co</u>		<del> </del>			—- <del></del>		
704	5864	(h)(4) ADS) E	Basiling 17	ith floor inside S.	Containment	<u> </u>	480L		~· <b></b> -	13/15 9:20:	
iας	S865	Inside	13th	FI Decon		<u> </u>	<u>1180L</u>			13/15 7:30	
,5q.	\$866	Outsid	e13th	Fl Decon	<u> </u>	<u>L                                    </u>	11 <u>80L</u>	.	<b>├</b>	13/15 7:30	
ទីសា	S867	Below	/ 13th	FI Decon		<u> </u>	1180L			13/15 7:31	am 5:21pi
	Cilent Sample	#'s	-				Tota	# of Sa	<u></u>	12	
ŧ	Relinquished				Date	7/13	<u> </u>	Time	<u>}5</u>	30 pm	
				()	Date'	751	_ کا لگ	i _I Time:	\	345 CM	D
ነ	Received (Lab): Comments:					<u></u>					- Mar

Page 1 of 2 pages

2



## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

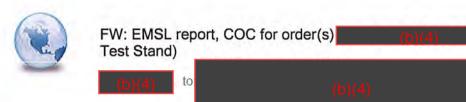
Orlando, FL 32804 PHONE. (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

^ه [	Sample #	Location	Volume/Area	Date/Time Sampled
, [	S868	Outside 10th Fl Center Exterior	1090L	7/13/15 8:10am 5:15pm
	S869	Outside 10th Fl East Exterior	1090L	7/13/15 8:10am 5:15pm
	S870	Outside 10th Fl West Exterior	630L	7/13/15 8:10am 1:25pm
	S871	(h)(A) Vatal)Primer Palot 17th ft Inside S. Containment	320L	7/13/15 1:40pm 4:20pm
	\$872	Blank	OL	7/13/15
	SCGW288	Inside the 13th Floor Decon	12x12	7/13/15
	SCGW289	Outside the 13th Floor Decon	12x12	7/13/15
	1			
	. 15			
	Comments/Sp	gelal Instructions.		

Page 2 of 2 pages

NASA	National Aeronautics and Space Administration  CONT  John C. Stennis Space Center Stennis Space Center, MS 39529-6000	RACTO	R TRAN	ISMITTA	L SHEE	т	DATE 1	SHEET OF	July 29, 2015
	SECTION I - REQUEST F	OR APPR	OVAL (To	be Initiate	ed by the	Contractor			
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA MANUFACTURER'S CERTIFICATES OF CO	A, MATERIAL IMPLIANCE			CON	TRACT NO.  14AA30T	X	NEW SUBM	
то (b)(	(See Instructions on Reverse) FROM HARRY PEPPER & AS		INC.	PREVIOUS T	RANSMITTA N/A	AL NO. (If Any)	O TI	RESUBMITT RANSMITTA <b>428</b>	
SPECIFICAT 200H0-GA	ION AND SECTION NO. <i>(Cover Only One Section With Each</i> 04 02 82 33.13.20 Air & Wipe Samples Col		PROJECT	TITLE AND LOC		B00-03 SOFT CO	10-E-13-E-13-E-13-E-13-E-13-E-13-E-13-E-		
ITEM NO.	DESCRIPTION OF ITEM SUBMITTED (Type, Size, Model Number, etc.) (See Instruction No. 3)	1000000	UFACTUREF		NO OF COPIES	CONTRACT REF DOCUM SPECIFICATION		VARIATION (See Instruction	ACTION CODE (See Instruction
(a)	(b)		(c)		(d)	PARAGRAPH NO. (e)	SHEET NO. (f)	No. 6) (g)	No. 9 (h)
1	Air & Wipe Samples Collected 7-14-15	ОНС			3	3.4.1.1.C	-		
2	Air & Wipe Samples Collected 7-15-15	ОНС			3	3.4.1.1.C	-	- 1	1-
				-	3	3.4.1.1.C		-	-
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	SE	CTION II	APPROV	AL ACTION	V				
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, TIT	LE, AND SIG	SNATURE OF A	APPROVING	AUTHORITY	DATE		



Stennis B1 B2

07/19/2015 01:49 AM

Attached please find the test results for the air and wipe samples collected on July 15, 2015. All the samples were well within acceptable levels.

President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone:
Cell: (b)(4)

www.OHCNET.com<ahttp://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]
Sent: Friday, July 17, 2015 3:25 PM
To:
(b)(4)
Cc: (b)(4)

Subject: EMSL report, COC for order(s) (b)(4) Stennis B1 B2

Test Stand)

Email:

Report, COC for order(s):
(b)(4) - Stennis B1 B2 Test Stand

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<http://www.emsl.com/>[cid:10bf6b08-5ccf-4963-b0b5-aa3d05fb7d93]
http://www.emsl.com/><http://www.emsl.com/> (b)(4) | Laboratory
Analyst

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804 Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical, Inc. offers to our clients: LABConnect <a href="https://extranet.emsl.com/">https://extranet.emsl.com/</a> | Order Products <a href="http://www.emsl.com/ProductCatalogHome.aspx">http://www.emsl.com/ProductCatalogHome.aspx</a> | Client Corner<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=477</a> | Additional Resources<

http://www.emsl.com/index.cfm?nav=Pages&ID=421> | Sampling Videos<

http://www.emsl.tv>

_____

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5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

07/17/15 8:50 AM

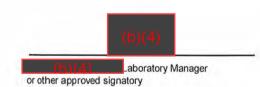
Collected:

7/15/2015

Project: Stennis B1 B2 Test Stand

### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected A	Analyzed	Volume	RDL	Lead Concentration
S923 341506915-0001	7/15/2015 7/ Site: 14th Floo	17/2015 or Inside Sof	1110 L t Core	3.6 µg/m³	<3.6 µg/m³
S924 341506915-0002	7/15/2015 7/ Site: (b)	17/2015 (4) (A	1114 L DS) Clean Up Inside S. Cont.	3.6 µg/m³	5.2 μg/m³
S925 341506915-0003	7/15/2015 7/ Site: Inside 13		1130 L	3.5 µg/m³	<3.5 µg/m³
S926 341506915-0004	7/15/2015 7/ Site: Outside		1130 L on	3.5 μg/m³	<3.5 µg/m³
S927 341506915-0005	7/15/2015 7/ Site: Below 13	17/2015 3th FI Decon	1130 L	3.5 µg/m³	<3.5 μg/m³
S928 341506915-0006	7/15/2015 7/ Site: Outside	17/2015 10th FI Exte	1122 L rior Center	3.6 µg/m³	<3.6 µg/m³
S929 341506915-0007	7/15/2015 7/ Site: Blank	17/2015	0 L	4.0 µg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter: ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m². OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "c" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 07/17/2015 15:24:32



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

	<del></del>				(107)0	
	HC Environmental Engine			EMSL-Bill to. If 84 to is Different note in	Different / Same stactions in Comments'	
Street 5420 E	Bay Center Drive Suite 10	00	777	ird Party Billing requires writte	an authorization from third o	arty
City Tampa	State/	Province: FL		Zip/Postal Code: 33609 Country: United		
Report To (Na	me) [,] (b)(4)		Telephor	ı <b>e #</b> 13-626-8156		
Email Address		4)	Fax# (	313-623-6702	Purchase Order	-
Project Name	Number: Stennis 81 82	Test Stand	Please P	rovide Results* F/	X E-mail	Mail
U.S. State San	nples Taken MS		CT Samp	les 🔲 Commercial/Taxa	ble 🔲 Residential/Tax	Exempt
	T:	urnaround Time (TA	T} Option	s* - Piease Check		
3 Hour		Hour 48 Hour		2 Hour 📗 96 Hour	1 — . —	2 Week
			L's Terms a	nd Conditions located in the F		
Chama Data	Matrix	Method		Instrument	Reporting Limit	Check
•	ywt 🗌 mg/cm² 🔲 ppm	SW846-70001	B	Flame Atomic Absorption	0.01%	
Air 24 hr.		NIQ\$H 7082		Flame Atomic Absorption	4 µg/filter	<b>42</b>
1		NIOSH 7105		Graphite Furnace AA	0.03 µg/filter	□
		NIOSH 7300 mod		ICP-AES/ICP-MS	0.5 µg/filter	
Wipe*	ASTM <b>5</b> non ASTM 📋	SW846-7000I		Flame Atomic Absorption	10 μg/wipe	<b></b> [
"if no box i	non ASTM 📋	SW846-6010B (		ICP AES	1.0 µg/wipe	
	Wipe is assumed	\$W846-7000B/7		Graphite Furnace AA	0.075 µg/wipe	
TCLP		SW846-1311/7000B/5		Flame Atomic Absorption	0.4 mg/L (ppm)	<del>-                                    </del>
Pati		SW846-1131/SW846-6		ICP-AES Flame Atomic Absorption	0.1 mg/L (ppm)	┝╌╞╣╌┦
Soil		5W846-7000 SW846-7010		Graphite Furnace AA	40 mg/kg (ppm) 0.3 mg/kg (ppm)	<del>   </del>
		SW846-6010B (		ICP-AES	2 mg/kg (ppm)	
Wastewater	Unpreserved	SM31118/SW846-	7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	
1	Unpreserved ☐ ith HNO₃pH < 2 ☐	EPA 200.9		Graphite Furnace AA	0.003 mg/L (ppm)	
		EPA 200 7		ICP-AES	0.020 mg/L (ppm)	
	ter Unpreserved ☐ ith HNO₃pH < 2 ☐	EPA 200.9 EPA 200.8		Graphite Furnace AA ICP-MS	0.003 mg/L (ppm) 0.001 mg/L (ppm)	<del>├──</del> ├─┤┄
		40 CFR Part 5	SO.	ICP-AES	12 µg/filter	<del>│ </del>
TSP/SPM Fil	ter	40 CFR Part 5		Graphite Furnace AA	3.6 µg/filter	
Other:						
Name of San	mpler (b)(4)		Signa	ture of Sampler		
Sample #	Locat	ion		Volume/Area	Date/Time :	ampled
S923	14th floor Insid	le Soft Core		1110L	7/15/15 6:30a	
S924	(b)(4) ADS)C	lean up Inside S. Cont.		1114L	7/15/15 6:45a	ım 4:02pm
S925	Inside13th	FI Decon	-	1130L	7/15/15 6:258	m 3:50pm
S926	Outside13th	FI Decon	1	1130L	7/15/15 B:25a	m 3:50pm
S927	Below 13th			1130L	7/15/15 6:26a	m 3:51pm
Client Samp	- 1		SCGWZ		Samples: 9	
		7	7/15/	4.5	5.00	
Relinquished	(b)(	4) Date	ľ	7-15	' - i -	
Received (Lat	o):	Date	171	Time:	_ 18:50 ·	
Commence						



## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc.	
5125 Adanson Street, Suite	90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample#	Location	Volume/Area	Date/Time Sampled
S928	Outside 10th Fl Exterior Center	1122L	7/15/15 6:30am 3:51pm
\$929	Blank	OL	7/15/15
SCGW292	Inside the 13th Floor Decon	12x12	7/15/15
SCGW293	Outside the 13th Floor Decon	12x12	7/15/15
		<u></u>	
Comments/S _j	pecial instructions:		

Page 2___of 2___pages

FW: EMSL report, COC for order(s)

Stennis B1 B2

Test Stand)

07/19/2015 01:52 AM

Attached please find the test results for the air and wipe samples collected on July 14, 2015. All the samples were within acceptable levels. Personal samples collected for the blaster exceeded the PEL, the blaster was wearing adequate protection for the level of exposure detected.

MS, CIH

President

[cid:image001.png@01CD10DB.A9302780] OHC Environmental Engineering Inc.

5420 Bay Center Drive Tampa, Florida 33609

Phone:

Cell:

Email:

www.OHCNET.com<http://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com] Sent: Friday, July 17, 2015 3:23 PM

To:

Subject: EMSL report, COC for order(s)

Stennis B1 B2

Test Stand)

Report, COC for order(s):

- Stennis B1 B2 Test Stand

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Analyst

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804

Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical, Inc. offers to our clients:

LABConnect <a href="https://extranet.emsl.com/"> Order Products </a>

http://www.emsl.com/ProductCatalogHome.aspx> | Client Corner<

http://www.emsl.com/index.cfm?nav=Pages&ID=420> | Training<

http://www.emsl.com/index.cfm?nav=Pages&ID=477> | Additional Resources<

http://www.emsl.com/index.cfm?nav=Pages&ID=421> | Sampling Videos< http://www.emsl.tv>

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5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

07/17/15 8:50 AM

Collected:

7/14/2015

### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed Volume	RDL	Lead Concentration
S913 341506913-0001	7/14/2015 7/17/2015 1260 L Site: 16th Floor Inside Soft Core	3.2 μg/m³	<3.2 μg/m³
S914 341506913-0002	7/14/2015 7/17/2015 620 L Site: (h)(/7) ADS) Blasting Inside S. Cont.	6.5 µg/m³	82 µg/m³
S915 341506913-0003	7/14/2015 7/17/2015 1250 L Site: (5)(4) ADS) Clean Up Inside S. Cont.	3.2 μg/m³	38 µg/m³
S916 341506913-0004	7/14/2015 7/17/2015 1220 L Site: Inside 13th FI Decon	3.3 μg/m³	<3.3 µg/m³
S917 341506913-0005	7/14/2015 7/17/2015 1220 L Site: Outside 13th FI Decon	3.3 µg/m³	<3.3 µg/m³
S918 341506913-0006	7/14/2015 7/17/2015 1220 L Site: Below 13th FI Decon	3.3 µg/m³	<3.3 µg/m³
S919 341506913-0007	7/14/2015 7/17/2015 1200 L Site: Outside 10th FI East Exterior	3.3 µg/m³	<3.3 µg/m³
S920 341506913-0008	7/14/2015 7/17/2015 1200 L Site: Outside 10th FI West Exterior	3.3 µg/m³	<3.3 µg/m³
S921 341506913-0009	7/14/2015 7/17/2015 250 L Site: (b)(4) Natal) Primer Paint 16th FI Inside S.	16 μg/m³	<16 µg/m³
S922 341506913-0010	7/14/2015 7/17/2015 0 L Site: Blank	4.0 µg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter. ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m². OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "c" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 07/17/2015 15:19:53



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

07/17/15 8:50 AM

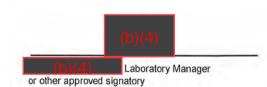
Collected:

7/14/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected And	alyzed Area Sampled	RDL	Lead Concentration
SCGW290 341506913-0011	7/14/2015 7/17 Site: Inside The	/2015 144 in² 13th Floor Decon	10 μg/ft²	14 μg/ft²
SCGW291 341506913-0012	7/14/2015 7/17 Site: Outside Th	//2015 144 in² ne 13th Floor Decon	10 μg/ft²	47 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 07/17/2015 15:19:53



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

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Company OHC Environmental Engine		_	EMSL-Bill to # Bill to is Differer	C xt no.e inst	Different / Same ructions in Comments	
Street: 5420 Bay Center Drive Suite 100			Third Party Billing requires written authorization from third party			
			l Code: 33609		Country, United	
Report To (Name): (b)(4)		Telephor	_{ie} #1813-626-815	55		أ
Email Address (b)(	4)	Fax#, 8	313-623-6702		Purchase Order	
Project Name/Number Stennis B1 B2	Test Stand	Please P	rovide Results	PA	K ZE-maìl ☐	Mail_
U.S State Samples Taken MS		CT Same	les. 🗍 Commercia	al/Taxat	le 🔲 Residential/Tax	Exempt
	AT) emiT bnuorenu					
	Hour 48 Hour		2 Hour   🔲 96		1 Week	2 Week
*Analysis complete	d in accordance with EMS	L's Terris a	nd Conditions located	ia the Pri		
Matrix	Method		Instrumen	t	Reporting Limit	Check
Chips 🗆 % by wt. 🗀 mg/cm³ 🗀 ppm	SW845-70006	1	Flame Atomic Abso	rption	0.01%	
Air 24 hr	NIOSH 7082		Frame Atomic Abst	orpilon	4 µg/filter	<b>3</b>
' '''	NIQSH 7105		Graphile Furnace		0,03 µg/filler	
	NFOSH 7300 mod	lified	JCP-AES/ICP-N	AS	0.5 µg/filter	
Wipe* ASTM ASTM ASTM	SV/846-7000£	3	Flame Atomic Abso	rption	10 µg/wipe	<b>®</b>
"If no box is checked, non ASTM	SW846-6010B c		ICP-AES		1.0 µg/wipe	<u> </u>
Wipe (a assumed	\$VV846-7000B/7		Graphite Furnace AA		0.075 µg/wipe	
TCLP	SW846-1311/7000B/S		Frame Atomic Albac	iption	0.4 mg/L (ppm)	┸
<u></u>	SW846-1131/SW848-6		ICP-AES		0.1 mg/L (ppm)	┍═╬╬═┦
Soil	SW846-70001 SW846-7010		Flame Atomic Abso Graphite Furnace		40 mg/kg (ppm) 0.3 mg/kg (ppm)	<del>╌┈</del> ┾╃╌╌
	SW846-6010B c		ICP-AES	~~~	2 mg/kg (ppm)	<del></del> ├── <b>१</b>
	SM31118/SW846-		Flame Atomic Abso	วเซล็ดก	0.4 mg/L (ppm)	
Wastewater Unpreserved  Preserved with HNO ₃ pH < 2	EPA 200.9		Graphite Furnace		0.003 mg/L (ppm)	┞╶┾┋╴┤
Preserved with HNO ₃ pH < 2 CI	EPA 200.7		ICP AES		0.020 mg/L (ppm)	
Drinking Water Unpreserved []	EPA 200.9		Graphite Furnace	ΑA	0.003 mg/L (ppm)	
Preserved with HNO ₃ pH < 2	8.002 A93		ICP-MS		0.001 mg/L (ppm)	
TSP/SPM Filter	40 CFR Part 5		icp-AES		12 µg/filter	<del>├</del> <del>╞</del> ╡┈┤
(74)	40 CFR Part 5	<u> </u>	Graphite Furnace	J AA	3.6 µg/filler	
Other	<u> </u>			-	(1-) (4)	
Name of Sampler (b)(4)		Signa	ture of Sampler		<u>(D)(4)</u>	
Sample #Locati	- <del> </del>		Volume/Area		Date/Trme S	
S913 16th floor Insid	le Soft Core	 	1260L		7/14/15 6:258	m 4:55pm
S914 (b)(4) ADS)Blastin	S914 (b)(4) AOS)Blasting Inside S. Containment		620L		7/14/15 6:55ar	n 12:05pm
S915 (h)(4) (ADS) Clean u	p Inside S. Containment	]	1250L		7/14/15 6:55a	m 4:20pm
\$916 Inside13th I	- Пресол	Γ -	12 <b>20L</b>		7/14/15 6:35a	m 4:45pm
S917 Outside13th	F! Decon	1 —	1220L		7/14/15 6:35a	m 4:45pm
Client Sample #'s 5913 -591	LZ SCGW290	SCEY	/29/ Total	# of Sa	mpies 12	
Relinguished (Client).	Date	7/14/	15	Time	5:30 pm	
Received (Lab)	4) Date.	7-1	7-15	Time:	F:501	
Comments:						
						, , <u></u>



## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

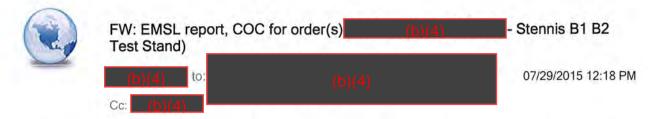
Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S918	Below 13th Fl Decon	1220L	7/14/15 6:36am 4:46pm
S919	Outside 10th FI East Exterior	1200L	7/14/15 7:10am 4:50pm
S920	Outside 10th Fl West Exterior	1200L	7/14/15 7:10am 4:50pm
\$921	(Natal)Primer Paint 16th fl Inside S. Containment	250L	7/14/15 4:15pm 6:20pm
\$922	Blank	OL	7/14/15
SCGW290	Inside the 13th Floor Decon	12x12	7/14/15
SCGW291	Outside the 13th Floor Decon	12x12	7/14/15
		<del></del>	
<u> </u>			

Page 2___ of 2__ pages

NASA	National Aeronautics and Space Administration CONTRACTOR TRANSMITTAL SHEET ohn C. Stennis Space Center						DATE August 4, 2015  SHEET			
	Stennis Space Center, MS 39529-6000						1	OF	1	
	SECTION I - REQUEST FO							To man the same to		
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,					CONTRACT NO.		X NEW SUBMITTAL		
	MANUFACTURER'S CERTIFICATES OF COM			APLIANCE			0 RESUBMITTAL			
(See Instructions on Reverse) FROM			PREVIOUS TO			RANSMITTAL NO. (If Any)		TRANSMITTAL NO.		
TO	HARRY PEPPER & ASS				N/A		429			
SPECIFICAT	ION AND SECTION NO. (Cover Only One Section With Each T			TITLE AND LOC						
200H0-GA						B00-03 SOFT CO	RE PAINTIN	NG		
ITEM	DESCRIPTION OF ITEM SUBMITTED (Type, Size, Model Number, etc.)	MANUFACTURER OF ITEM		NO OF	CONTRACT REF		VARIATION (See	ACTION CODE		
NO.	(See Instruction No. 3)	(See Instruction No. 8) (c)			COPIES (d)	SPECIFICATION PARAGRAPH NO.	DRAWING SHEET NO.	Instruction No. 6)	(See Instruction No. 9 (h)	
(a)	(b)	1, T.A.C.				(e) 3.4.1.1.C	(f)	(g)		
1	Wipe Samples Collected 7-20-15	OHC			3		-	-		
2	Air Samples Collected 7-23-15	OHC			3	3.4.1.1.C	-		-	
3	Air & Wipe Samples Collected 7-25-15	OHC			3	3.4.1.1.C	-		-	
4	Air & Wipe Samples Collected 7-27-15	OHC			3	3.4.1.1.C		-	-	
5	Air & Wipe Samples Collected 7-28-15	ОНС			3	3.4.1.1.C	-		-	
6	Air Samples Collected 7-29-15	OHC			3	3.4.1.1.C	1-1		1-0	
- 3	10			-	1000	-	-	-	-	
2.1					-	5-	-	-	-	
	12.0				-	-	-	-	-	
	= (4)			-	-		-	-		
REMARKS:	3 Hard Copies included.				detail and a	t the above submiti re correct and in st specifications, exce NAME AND S	rict conforma ept as stated. (b)(4)		entract	
	SE	CTION II	APPRO\	AL ACTIO	V					
ENCLOSUR	ES RETURNED (List by Item No.)	NAME, TIT	LE, AND SIG	GNATURE OF	APPROVING	AUTHORITY	DATE			



Attached please find the results of the wipe samples collected on July 20, 2015. All the samples are within acceptable levels.

(b)(4)
President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone:
Cell: (b)(4)

Email: (b)(4)
www.OHCNET.com<a href="http://www.ohcnet.com/">

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Thursday, July 23, 2015 1:39 PM

To: (b)(4)

Subject: EMSL report, COC for order(s) (b)(4) - Stennis B1 B2

Test Stand)

Report, COC for order(s):

(By(2) Stennis B1 B2 Test Stand

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<http://www.emsl.com/>[cid:3e9677c4-d241-4d0d-ab48-5ed6e5d1b3bf]
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Analyst /LaboratoryTechnical Director

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(407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156

Fax:

(813) 623-6702

Received:

07/23/15 8:55 AM

Collected:

7/20/2015

### **Test Report**

Client Sample Description

Test

Test

Pb-FLAA

Lab ID 341507129-0001 Collected:

7/20/2015

Inside 13th FI Decon

Method 7082

Parameter

Analyzed 7/23/2015 Volume 990 L

Concentration

Client Sample Description

S953

Lead

Lab ID 341507129-0002 Collected:

7/20/2015

Outside 13th FI Decon

Method

7082

Parameter

Analyzed

7/23/2015

Volume 990 L

Concentration

Pb-FLAA Lead 7/23/2015 7082

<4.0 µg/m3

<4.0 µg/m³

Client Sample Description

S954

Lab ID 341507129-0003 Collected:

7/20/2015

Method Test

Parameter

Lead

I ead

Analyzed

Volume 0 L Concentration <4.0 µg/filter

Client Sample Description

SCGW300

Lab ID 341507129-0004 Collected:

Test Pb-FLAA

Test

Pb-FLAA

Pb-FLAA

Method 7000B

Method

7000B

Inside The 13th Floor Decon Parameter

Analyzed 7/23/2015

Area Sampled

144 in²

Concentration 120 µg/ft2

Client Sample Description

**SCGW301** 

Lab ID 341507129-0005 Collected:

7/20/2015

Outside The 13th Floor Decon

Parameter Analyzed Lead

7/23/2015

Area Sampled 144 in²

Concentration 46 µg/ft²

Laboratory Manager

or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/fl2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in 1967 which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 07/23/2015 13:29:02



### Lead (Pb) Chain of Custody

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

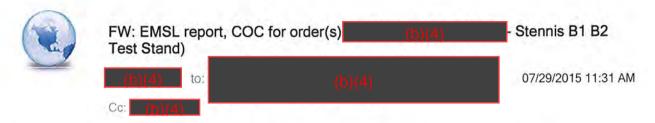
EMSL Order ID (Lab Use Only):

Orlando, FL 32804

PHONE: (407) 599-5887 FAX: (407) 599-9063

						<u> </u>	70-2000		
	C Environmental Engine		EMSL-Bill to Different  Same						
	ay Center Drive Suite 10		Third Party Billing requires written authorization from third party						
City, Tampa	State/P	rovince FL	Zip/Postal Code 33609 Country, United States						
Report To (Nar	пе): (b)(4)		Telephor	ie <u>#: 813-</u> 626- <u>81</u>	56				
Email Address		)	Fax#. {	313-623-6702		Purchase Order			
Project Name!	Number Stennis B1 B2 T	est Stand	Please P	rovide Results	KAR	. ✓ E-mail	Mail		
	ples Taken: MS		CT Samp	les: 🔲 Commerc	iel/Taxa):	ole 🔲 Residential/Tax	Exempt		
	Tu	rnaround Time (TA	T) Option	s* - Please Che	ck				
☐ 3 Hour	☐ 6 Hour <b>■ 24</b>				Hour	☐ 1 Weak ☐	2 Week		
		d in eccordance with EMS	L's Tems a		_		<u> </u>		
	Matrix	Method		Instrumei	nt i	Reporting Limit	Check		
Chips 🗆 % by	/wt. 🗆 mg/cm; 🔲 ppm	SW846-7000	В	Flame Atomic Abs	orption	0.01%			
Air 24 hr.		NIOSH 7082	2	Flarne Alomic Abs	sa <del>rp</del> tian	4 μg/fitter	鵬		
2-7 111.		NIOSH 7105		Graphite Fumac	AA ec	0.03 µg/filter			
		NIOSH 7300 mod	tified	ICP-AES/ICP-		0.5 µg/filter			
Wipe*	ASTM 📆 non ASTM 🔲	SW848-7000	В	F)ame Atomic Abs	orption	10 μg/wipe			
"If no been la	non ASTM  checked, non-ASTM	\$W846-6010B (	or C	ICP-AE\$		1.0 μg/wipe			
	Nonwees at eq.W	SW846-7000B17	010	Graphite Furnat	DE AA	0.075 μg/wipe			
TCLP		SW848-1311/7000B/S		Flame Atomic Abs	sorption	0.4 mg/L (ppm)			
		SW846-1131/SW846-5 SW846-7000	· · · · · · · · · · · · · · · · · · ·	ICP-AES		0.1 mg/L (ppm)	<u> </u>		
Soil .	'		Flame Atomic Abs		40 <u>mg/kg (ppm)</u> 0.3 mg/kg (ppm)	— <del> -  </del>			
1		SW846-7010 SW846-6010B (		ICP-AE\$	<u>æ</u> 🕰	2 mg/kg (ppm)	┝┼		
<del> </del>		SM3111B/SW846-		Flame Atomic Abs	SOrption	0.4 mg/L (ppm)	- "-		
Wastewater	Unpreserved ☐ th HNO₃pH < 2 ☐ □	EPA 200.9		Graphlie Furnac	<u> </u>	0.003 mg/L (ppm)			
		EPA 200 7		ICP-AES		0.020 mg/L (ppm)			
	er Unpreserved	EPA 200.9		Graphite Furnac	<u> </u>	0.003 mg/L (ppm)	-		
Preserved wi	th HNO₃pH < 2 □	EPA 200.8		ICP-MS ICP-AES		0.001 rng/L (ppm)			
TSP/SPM Fill	ter	40 CFR Part ! 40 CFR Part !		Graphite Furna		12 µg/filter 3.6_µg/filter	┞┈╞═┤╌╴		
Other		-10 OT (1 WILL		Orap-ino   Grida		B.o_bgrifter	<del>                                     </del>		
Name of San	unios (b)(4)	<u> </u>	Sinns	iture of Sample		(b)(4)			
Sample #	Locati	on	T Signe	Volume/Are		Date/Time 5	Sampled		
S952	Inside13th F		<del>                                     </del>	990L	<del>_</del> . /	7/20/15 7:35a			
S953	Outside13th		† <del></del>	990L		7/20/15 T:35a	m 3:50pm		
S954	Blan	· <u></u>	<del>                                     </del>			7/20/	. —		
\$CGW300	Inside the 13th	<del></del>	· ·	12x12	<b>.</b>	7/20/	<del></del> - ·		
SCGW301	Outside the 13th	<del></del>	<del> </del> -	12x12		7/20/			
Client Sampl			ტც <b>5</b> (	6W 301 Tota	# of Sa				
		Date	7/20/	•		5:30 pm			
Relinquished	(b)(4)		_	351/5	Time	8:556	<del> </del>		
Received (Late Comments:	<u> </u>	Date:	14/9	<del>~//-</del>	_Time _		· <del></del>		
- Committee,									
<u> </u>				<u> </u>			<del></del>		

Page 1 of 2_pages



Attached please find the test results for samples collected on July 23, 2015. The blaster exposure level is 1,200 ug/m3. Anyone working in the vicinity of the blast operation must use a full face respirator as a minimum. All other air samples are below detection limit.

(b)(4). MS, CIH

President
[cid:image001.png@01CD10DB.A9302780]

OHC Environmental Engineering Inc.
5420 Bay Center Drive

Tampa, Florida 33609

Phone:
Cell:
Email: (b)(4)

www.OHCNET.com<http://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Monday, July 27, 2015 1:12 PM

To: (b)(4)

Subject: EMSL report, COC for order(s) - Stennis B1 B2

Test Stand)

Report, COC for order(s):

(b)(4) - Stennis B1 B2 Test Stand

Please tell us how we are doing.

Click here to fill out our Customer Survey<http://www2.emsl.com/custsurvey/?fromregion=eastcoast>

<http://www.emsl.com/>[cid:d24ea81b-a999-4f08-8adb-6ed70222f0c3]
http://www.emsl.com/><http://www.emsl.com/>
EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804
Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170
Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical, Inc. offers to our clients: LABConnect <a href="https://extranet.emsl.com/">https://extranet.emsl.com/</a> | Order Products <a href="http://www.emsl.com/ProductCatalogHome.aspx">http://www.emsl.com/ProductCatalogHome.aspx</a> | Client Corner<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training<

http://www.emsl.com/index.cfm?nav=Pages&ID=477> | Additional Resources< http://www.emsl.com/index.cfm?nav=Pages&ID=421> | Sampling Videos< http://www.emsl.tv>

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5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

07/27/15 9:20 AM

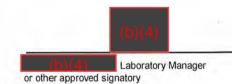
Collected:

7/23/2015

Project: Stennis B1 B2 Test Stand

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S974 341507224-0001	7/23/2015 7/27/2015 Site: 14th Floor Inside Soft	1460 L Core	2.7 µg/m³	<2.7 µg/m³
S975 341507224-0002	7/23/2015 7/27/2015 Site: (h)(4) (AD	1090 L S) Blasting 14th FI S. Containmen	3.7 µg/m³	1200 µg/m³
S977 341507224-0003	7/23/2015 7/27/2015 Site: Inside 13th FI Decon	1416 L	2.8 μg/m³	<2.8 μg/m³
S978 341507224-0004	7/23/2015 7/27/2015 Site: Outside 13th FI Decor	1416 L n	2.8 μg/m³	<2.8 μg/m³
S979 341507224-0005	7/23/2015 7/27/2015 Site: Below 13th FI Decon	1416 L	2.8 µg/m³	<2.8 μg/m³
S980 341507224-0006	7/23/2015 7/27/2015 Site: Outside 10th FI East I	1426 L Exterior	2.8 μg/m³	<2.8 μg/m³
S981 341507224-0007	7/23/2015 7/27/2015 Site: Outside 10th FI West	1426 L Exterior	2.8 µg/m³	<2.8 μg/m³
S982 341507224-0008	7/23/2015 7/27/2015 Site: (b)(4) (Natal) Pr	142 L imer Paint 14th FI Inside S.	28 μg/m³	<28 μg/m³
S983 341507224-0009	7/23/2015 7/27/2015 Site: Blank	0 L	4.0 µg/filter	<4.0 µg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results." included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 07/27/2015 13:11:44



## Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only).

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

EMSL Order ID (Lab Use Only).

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

													3-000	<u> </u>
Company: OH	C Environmental	Engine	ering, Ir	nc.		EMSL-Bill to: Different  Same  If Bill to is Different note instructions in Comments**  Third Party Billing requires written authorization from third party								
Street: 5420 Ba	ay Center Drive S	uite 10	J				ird Party E	lilling requi	res writter					
City: Tampa		State/P	rovince:	FL		Zip/Postal Code: 33609 Country: United States Telephone #: 813-626-8156							<u>-</u>	
Report To (Nar	ne): (b)(4)					Telepho	ne #: 813	3-626-81	56					
Email Address	:	(b)(4	)			Fax #:	813-623-	6702		P	urchase			
Project Name/I	lumber: Stennis I	B1 B2 T	est Sta	nd		Please F	rovide Re	esults:	FAX	<u> 7</u>	E-mail	L L	Mail	
	ples Taken: MS					CT Samp	les: 🔲 C	ommerci	ial/Taxab	ole 🔲 F	Resident	ial/Tax	Exem	pt
	<del></del>	Tu	rnarou	nd Time	e (TA	T) Optio	ıs* - Ple	ase Che	ck					
3 Hour	☐ 6 Hour	<b>2</b> 4	Hour	□ 48	Hour	□ 7	2 Hour	☐ <b>9</b> 6	Hour	_	Week		2 Wee	k
		completed	in accor			L's Terms a	, ,							
	Matrix			Met	hod		<u>Ir</u>	<u>istrumer</u>	nt	Rep	orting L	imit	Che	<u>ck</u>
Chips   % by	wt, mg/cm²	] ppm		SW846	-7000B	1	Flame /	Atomic Abs	orption		0.01%			_
Air 24 hr.				NIOSH	1 7082		Flame	Atomic Abs	sorption		µg/filter			
			NIOS			·	hite Furnac			03 µg/filte		_		
		00 mod			-AES/ICP-			5 µg/filte						
Wipe*	ASTM SW846-						Flame	Atomic Abs	sorption	_	) µg/wipi			
*if no box is	non ASTM SW846-6 checked, non-ASTM Wipe Is assumed SW846-7						Gran	ICP-AES	- ΔΔ		0 µg/wip 75 µg/wi		片	
TOLD	SW846-1311/70						Flame Atomic Absorption			0.4 mg/L (ppm				$\overline{}$
TCLP			010B or C	Frame	ICP-AES	SOIPHOIT		mg/L (pr		一片				
Soil	<del></del>			SW846	-7000E	3	Flame	Atomic Abs	sorption	40 n	ng/kg (p	om)		
	SW846						Grap	hite Furnac	ce AA		ng/kg (p			
	SW846-6010				010B o	r C		ICP-AES			ıg/kg (pp			
Wastewater	Unpreserved		SM	13111B/S		700 <b>0</b> B		Atomic Abs			mg/L (pr			
	th HNO ₃ pH < 2		EPA 200 9 EPA 200.7				Grap	hite Furnac	e AA		3 mg/L (p			
			<del></del>			ICP-AES Graphite Furnace AA			0.020 mg/L (ppm) 0.003 mg/L (ppm)			<del>-                                    </del>		
	er Unpreserved th HNO ₃ pH < 2	H		EPA 200.9 EPA 200.8			ICP-MS			0.003 mg/L (ppm)				
FIESEIVEU WI	111114O3 pr1 \ Z	<u> </u>	-			<u> </u>	ICP-AES			12 µg/filter			$\Box$	
TSP/SPM Filt	er		40 CFR Part 50 40 CFR Part 50				Graphite Furnace AA			3.6 µg/filter			j	
Other:				_										
Name of Sam	pler: (h)(4)		•			Sign	ature of	Sampler			(b)(4)			П
Sample #	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Locati	on			1 0.31		ıme/Are			Date/	Time S	ampl	ed
S974	14th floo			Core			1	1460L			7/23/15			
S975	(b)(4) AD	S)Blastin	g 14th fl	S. Contai	nment			1090L			7/23/15	7:15a	 m 1:20	)pm
S976	(-)(-)	VOII					,	VOID						
S977	Inside13th FI Decon					,		1416L			7/23/15	5:13a	 m 5:01	1pm
S978	Outside13th Fl Decon							1416L			7/23/15	5:13a	m 5:0	1pm
Client Sampl		-598		506 W	1307	7 - SQ	SW 308		I # of S	amples	S; 11			
Relinquished		.,			ate:	7/23			Time:		5:30 p	m		
Received (Lat				D	ate:	7-	7-1	5	Time:		82	das		
Comments:	, ————————————————————————————————————													ļ

Page 1 of 2 pages



### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

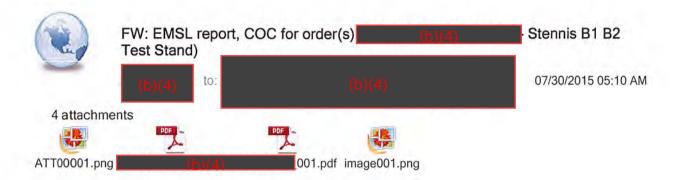
Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

(b)(4)

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S979	Below 13th FI Decon	1416L	7/23/15 5:14am 5:02pm
S980	Outside 10th FI East Exterior	1426L	7/23/15 5:17am 5:10pm
S981	Outside 10th Fl West Exterior	1426L	7/23/15 5:17am 5:10pm
S982	(Natal)Primer Paint 14th fl Inside S. Containment	142L	7/23/15 3:44pm 4 55pm
S983	Blank	OL	7/23/15
SCGW307	Inside the 13th Floor Decon	12x12	7/23/15
SCGW308	Outside the 13th Floor Decon	12x12	7/23/15
	:		
Comments/S	pecial Instructions:		

Page 2 of 2 pages



Attached please find the test results for the samples collected on July 25, 2015. The air and wipe samples are within acceptable levels.

(b)(4)
President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone:
Cell:
Email: (b)(4)

www.OHCNET.com<a href="http://www.ohcnet.com/">
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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]
Sent: Wednesday, July 29, 2015 6:07 PM
To: (b)(4)
Subject: EMSL report, COC for order(s) (b)(4)
Test Stand)

- Stennis B1 B2

Report, COC for order(s):
(h)(4) - Stennis B1 B2 Test Stand

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<http://www.emsl.com/>[cid:ea2c71f8-9bf6-4137-8608-2ccdd06bd598]
http://www.emsl.com/><http://www.emsl.com/>
Analyst /LaboratoryTechnical Director

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804
Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170
Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

```
Some of the resources EMSL Analytical, Inc. offers to our clients: LABConnect <a href="http://extranet.emsl.com/">http://extranet.emsl.com/</a> | Order Products <a href="http://www.emsl.com/ProductCatalogHome.aspx">http://www.emsl.com/ProductCatalogHome.aspx</a> | Client Corner<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=421</a> | Sampling Videos<a href="http://www.emsl.tv">http://www.emsl.tv</a>
```

_____

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5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Stennis B1 B2 Test Stand

Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

07/28/15 9:05 AM

Collected:

7/25/2015

**Test Report** 

Client Sample Description

Lab ID 341507344-0001 Collected:

7/25/2015

14th Floor Inside Soft Core

Method

Parameter I ead

Analyzed

Volume 850 1

Concentration <4.7 µg/m³

Client Sample Description

Lab ID 341507344-0002 Collected: (ADS) Blasting 13th FI S. Co

7/25/2015

Parameter

Analyzed

7/29/2015

Volume

Concentration

Pb-FLAA

Test

Test

Pb-FLAA

Method 7082

7082

7082

Lead

7/29/2015

442 L

<9.0 µg/m³

Client Sample Description

S995

Lab ID 341507344-0003 Collected:

7/25/2015

7/25/2015

7/25/2015

Test Pb-FLAA Method

Parameter

Lead

Analyzed 7/29/2015

(ADS) Clean Up 13th FIS

Volume 442 L Concentration

17 µg/m³

Client Sample Description

S996

Lab ID 341507344-0004 Collected:

Inside 13th FI Decon

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 7/29/2015 Volume 844 L

Concentration <4.7 µg/m³

Client Sample Description S997

Lab ID 341507344-0005 Collected:

Outside 13th FI Decon

Test Method Pb-FLAA

Parameter 7082 Lead

Analyzed 7/29/2015 Volume 844 L

Concentration <4.7 µg/m³

Client Sample Description

S998

Lab ID 341507344-0006 Collected:

7/25/2015

Below 13th FI Decon

Pb-FLAA

Method 7082

Parameter Lead

Analyzed 7/29/2015 Volume 844 L

Concentration <4.7 µg/m³

Laboratory Manager

or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 07/29/2015 18:06:06



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

07/28/15 9:05 AM

Collected:

7/25/2015

**Test Report** 

Client Sample Description

Lab ID 341507344-0007 Collected:

7/25/2015

Outside 10th FI East Exterior

Test Pb-FLAA

Method 7082

Parameter

I ead

Analyzed 7/29/2015 Volume 840 L Concentration

Client Sample Description

S1000

Lab ID 341507344-0008 Collected:

7/25/2015

Outside 10th FI West Exterior

Test Pb-FLAA Method 7082

Parameter Lead

Analyzed 7/29/2015 Volume 840 L

Client Sample Description

S1001

Lab ID 341507344-0009 Collected: (Natal) Primer Paint 14t

7/25/2015

Concentration

Concentration

<4.8 µg/m³

Pb-FLAA

Test

Method 7082

Parameter Lead

Analyzed 7/29/2015 Volume 320 L

7/25/2015

<13 µg/m³

<4.8 µg/m³

Client Sample Description

S1002

Lab ID 341507344-0010 Collected:

Blank

Test Pb-FLAA

Test

Test

Pb-FLAA

Pb-FLAA

Method 7082

Parameter Lead

Analyzed 7/29/2015 Volume 0 L

Client Sample Description

SCGW312

Lab ID 341507344-0011 Collected:

7/25/2015

Inside The 13th Floor Decon Method

7000B

Method

7000B

Parameter

Parameter

Lead

Lead

Analyzed 7/29/2015

Area Sampled 144 in²

Concentration <10 µg/ft2

Concentration

<4.0 µg/filter

Client Sample Description

**SCGW313** 

Lab ID 341507344-0012 Collected:

7/25/2015

Outside The 13th Floor Decon

7/29/2015

Analyzed

Area Sampled

144 in²

Concentration 75 µg/ft2

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe, ug/wipe = ug/t/2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial Report From 07/29/2015 18:06:06

Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90



Orlando, FL 32804 PHONE: (407) 599-5887

				, , , ,							AA (40)		<b>1-900</b>	10
Company : OH	C Environmental	Engine	ering, Ir	nc.		E I	MSL-Bill I to is Differ	to: ent note	Dif Instructi	feren	t / S omments**	ame		
Street: 5420 B	ay Center Drive S	Suite 10	0		T	hird Party B	Billina reau	ires wi	ritten aut	thorizati	on from th	ird pa	rty	Ì
City: Tampa			rovince	: FL	Zip/Postal Code: 33609 Country: United States								5	
Report To (Nar	ne): (b)(4)				Telephone #: 813-626-8156									
Email Address		(b)(4	1)		Fax #: 813-623-6702 Purchase Order:									
Project Name/	Number: Stennis	B1 B2 I	est Sta	ind	Please F	rovide Re	esults:		FAX _	<b>√</b> E	E-mail Mail			
	ples Taken; MS				CT Sam	ples: 🔲 C	ommerc	ial/Ta	xable	☐ Res	idential	/Tax	Exem	pt
		Ťu	rnarou	nd Time (TA										
☐ 3 Hour	☐ 6 Hour	<b>2</b> 4	Hour	☐ 48 Hour		'2 Hour	□ 96	Hou	r	□ 1 W	eek		2 Wee	∍k
	*Analysis	complete	d in accor	rdance with EMS	L's Terms	and Conditi	ons locate	d in th	e Price (	Guide				
	Matrix			Method		<u>i</u> in	strume	nt	F	Report	ing Lim	ıit	Che	ck
Chips □ % by	vwt. ☐ mg/cm² ☐	] ppm		SW846-7000E	3	Flame	Atomic Ab	sorptic	n	0.	01%	_		]
Air 24 hr.				NIOSH 7082		1	Atomic Ab		on		g/filter		3	1
				NIOSH 7105			hite Furna				µg/filter		_ <b> </b>	╬╌┨
				IIOSH 7300 mod			-AES/ICP				ug/filter	-		
Wipe*	ASTM			SW846-7000F		Flame	Atomic Ab	<u> </u>	on		g/wipe			1
*if no box is	s checked, non-ASTM					Gran	ICP-AES hite Furna			<del></del>	ıg/wipe μg/wipe	$\rightarrow$		-
	Wipe is assumed SW846-7000B/70 SW846-1311/7000B/SI					Flame Atomic Absorption					<del></del>		<del></del>	<del>-</del>
TCLP		010B or C	Figure	ICP-AES			0.4 mg/L (ppm) 0.1 mg/L (ppm)							
Soil	····			SW846-7000I	3	Flame	Atomic Ab	sorptic			kg (ppn			
1				SW846-7010	)	Grap	hite Furna	ce AA			/kg (ppr			]
				SW846-6010B			ICP-AES				kg (ppm	1000		
Wastewater	Unpreserved		SN	//3111B/SW846-	7000B		Atomic Ab				g/L (ppm			╃┦
	th HNO ₃ pH < 2		ļ	EPA 200.9		Grap	hite Furna ICP-AES				ig/L (pp ig/L (pp			┽┤┤
Drinking Ma	er Unpreserved		1	EPA 200.9		Gran	hite Furna				ng/L (ppr		┪	1
	th HNO ₃ pH < 2		<u> </u>	EPA 200.8	<del></del>	U GIAP	ICP-MS	100701			ng/L (ppr			<u> </u>
			<del>-</del>	40 CFR Part 5	50		ICP-AES				ıg/filter			
TSP/SPM Fil	er			40 CFR Part 5	50	Grap	hite Furna	ice AA		3.6	ug/filter			
Other:												1		<u> </u>
Name of San	pler (b)(4)				Sign	ature of	Sample	г:						
Sample #		Locati	on			Vol	ume/Are	ea/_	··		Date/Ti	me S	amp	led
\$993	14th floo	or Insid	e Soft	Core	L		850L	·		7/	/25/15 7	.05aı	n 2:1	0pm
S994	(b)(4) AD\$)B	Blasting 1	13th fl S.	Containment			442L			7/	/25/15 7:	:09an	n 10:5	50am
S995	(b)(4) ADS	)Clean up	13th fl S	S. Containment			442L			7/	/25/15 7	:09an	n 10 [.] 5	50am
S996	Inside13th FI Decon						844L			7.	/25/15 7	′:10a	m 2:1	2pm
S997	Outside13th FI Decon						844L			7.	/25/15 7	':10a	m 2:1	2pm
Client Samp	e#'s 5993	- 510	C2 5	SCGW312	SCGV	1313	Tot	al#c	f Sam	ples:	12			
Relinquished				Date:	7/25	/15		Tir	ne:		:30 pm			
Received (Lai				Date:	1	129/15	,	Tin		P	10 SA	سسم		
Comments:		- <del>(                                   </del>			<u> </u>									

Page 1 of 2 pages



# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

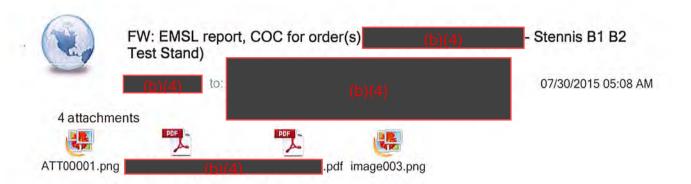
EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE. (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S998	Below 13th Fl Decon	844L	7/25/15 7:11am 2:13pm
S999	Outside 10th FI East Exterior	840L	7/25/15 7:15am 2:15pm
S1000	Outside 10th FI West Exterior	840L	7/25/15 7:15am 2:15pm
S1001	(b)(4) Natal)Primer Paint 14th ft Inside S. Containment	320L	7/25/15 11:20am 2 00pm
S1002	Blank	0L	7/25/15
SCGW312	Inside the 13th Floor Decon	12x12	7/25/15
SCGW313	Outside the 13th Floor Decon	12x12	7/25/15
			<del> </del>
_			
Comments/Si	pecial Instructions:		

 $\mathsf{Page}\, \underline{2} \quad \mathsf{of}\, \underline{2} \quad \mathsf{pages}$ 



Attached please find the test results for samples collected on April 27, 2015. The personal air samples are within acceptable levels. The area air samples are below detection limit. The wipe samples are all within acceptable levels.

(h)(4)
President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone
Cell:
Email: (b)(4)

www.OHCNET.com<a href="http://www.ohcnet.com/">
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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Wednesday, July 29, 2015 6:08 PM

To: (b)(4)

Subject: EMSL report, COC for order(s) - Stennis B1 B2

Test Stand)

Report, COC for order(s):

(b)(4) - Stennis B1 B2 Test Stand

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<http://www.emsl.com/>[cid:03eeaa5c-f7dd-4369-ba9b-93d4d20e836a]
http://www.emsl.com/><http://www.emsl.com/>
Analyst /LaboratoryTechnical Director

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804 Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

```
Some of the resources EMSL Analytical, Inc. offers to our clients: LABConnect <a href="https://extranet.emsl.com/">https://extranet.emsl.com/</a> | Order Products <a href="http://www.emsl.com/ProductCatalogHome.aspx">http://www.emsl.com/ProductCatalogHome.aspx</a> | Client Corner<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=477</a> | Additional Resources<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=421">http://www.emsl.com/index.cfm?nav=Pages&ID=421</a> | Sampling Videos<a href="http://www.emsl.tv">http://www.emsl.tv</a>
```

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5125 Adanson Street, Suite 900, Orlando, FL 32804 (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

07/29/15 10:00 AM

Collected:

7/27/2015

**Test Report** 

Client Sample Description

S1003

Lab ID 341507348-0001 Collected:

7/27/2015

14th Floor Inside Soft Core

Method

Parameter

Analyzed

Volume

Concentration

Pb-FLAA

Test

Test

7082

Lead

7/29/2015

1200 L

<3.3 µg/m³

Client Sample Description

S1004

Lab ID 341507348-0002 Collected:

(ADS) Blasting 13th FI

Parameter

Analyzed

Volume 770 L

Lab ID 341507348-0003 Collected:

Concentration

150 µg/m3

Pb-FLAA

Method 7082

I ead

7/29/2015

7/27/2015

Client Sample Description

S1005

(ADS) Clean Up 13th FI S.

Concentration

Test Pb-FLAA Method 7082

Parameter Lead

Inside 13th FI Decon

Lead

Analyzed 7/29/2015 Volume 680 L

580 µg/m3

Client Sample Description

S1006

Lab ID 341507348-0004 Collected:

7/27/2015

Test Pb-FLAA Method

Parameter

Analyzed 7/29/2015 Volume 1194 L Concentration

<3.4 µg/m³

Client Sample Description \$1007

Lab ID 341507348-0005 Collected:

7/27/2015

Test Pb-FLAA

Test

Pb-FLAA

Method 7082

Method

7082

7082

Outside 13th FI Decon Parameter

Lead

Lead

Analyzed 7/29/2015 Volume 1194 L

Concentration

<3.4 µg/m³

Lab ID 341507348-0006 Collected:

7/27/2015

Client Sample Description

S1008

Below 13th FI Decon Parameter

Analyzed 7/29/2015 Volume 1194 L

Concentration

<3.4 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 07/29/2015 18:07:47





### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

									(407) 33	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	
	IC Environmental				EMSL-Bill to: Different  Same If Bill to is Different note instructions in Comments**						
Street: 5420 B	Bay Center Drive S	Suite 10			Third Party Billing requires written authorization from third party						
City: Tampa		State/P	rovince:	FL	Zip/Postal Code: 33609 Country: United States						
Report To (Na	me): (b)(4)			_	Telephor	e#: 813-626-	3156				
Email Address					Fax #: 813-623-6702 Purchase Order:						
Project Name	Number: Stennis	B1 B2	Test Stand		Please P	rovide Results:	FA)	· 🔽	E-mail	Mai1	
U.S. State San	nples Taken: MS				CT Samp	les: 🗌 Comme	rcial/Taxal	ole 🔲 I	Residential/Tax	Exempt	
		Τι	ırnaround Ti	me (TA		s* - Please Ch					
3 Hour	☐ 6 Hour	■ 24	Hour 🔲	48 Hou	7	2 Hour 🔲	96 Hour	□ 1	Week	2 Week	
		complete			L's Terms a	nd Conditions loca					
	Matrix		M.	lethod		Instrum	ent	Rep	orting Limit	Check	
	y wt. 🔲 mg/cm² 📋	] ppm	SW	346-70001	3	Flame Atomic A	Absorption		0.01%		
Air 24 hr.			NIC	OSH 7082		Flame Atomic A	Absorption		1 μg/filter	X	
				OSH 7105		Graphite Furr			03 µg/filter		
		<del></del>	<u> </u>	7300 mod		ICP-AES/IC		Ψ.	5 µg/filter	<del>                                     </del>	
Wipe*	ASTM	X		346-70001		Flame Atomic A	- '		0 μg/wipe	×	
*if no box is	non ASTM checked, non-ASTM	SW840	· · · · · · · · · · · · · · · · · · ·	ICP-AE			0 μg/wipe	<del>  </del>			
	Wipe is assumed		<del></del>	3-7000B/7		Graphite Furnace AA			75 μg/wipe		
TCLP			SW846-1311 SW846-1131/			Flame Atomic A			mg/L (ppm)		
Soil			346-7000I		Flame Atomic A			mg/L (ppm) ng/kg (ppm)			
3017	SW846-700					Graphite Furr	· ·		ng/kg (ppm)		
	SW846-6010B				or C	ICP-AE	S		ng/kg (ppm)		
Wastewater	Unpreserved		SM3111E	3/\$W846-	7000B	Flame Atomic A			mg/L (ppm)		
	ith HNO ₃ pH < 2	H		PA 200.9		Graphite Furr	****		3 mg/L (ppm)		
		_		PA 200 7	······································	ICP-AE			) mg/L (ppm)		
	ter Unpreserved ith HNO ₃ pH < 2	R		PA 200 9 PA 200.8		Graphite Furi			3 mg/L (ppm)		
		<u>. L.</u>		FR Part 5	50	ICP-AES		0 001 mg/L (ppm) 12 μg/filter			
TSP/SPM Fil	ter			FR Part 5		Graphite Furnace AA		3 6 µg/filter			
Other:											
Name of San	npler: (b)(4)				Signa	ture of Sampl	er:		)(4)		
Sample #		Locati	on			Volume/A			Date/Time S	Sampled	
S1003	14th floo	r Insid	e Soft Core	<del></del>		1200L			7/27/15 6:00a	m 4:00pm	
S1004	(h)(4) ^{AD}	S)Blastin	g 13th fl S Con	tainment		770L			7/27/15 6:30ar	n 12:55pm	
S1005	(b)(4) ADS)	Clean up	13th fl S Cont	ainment		680L			7/27/15 6:30ar	n 12:10am	
S1006						1194L			7/27/15 6:05a	m 4:02pm	
S1007	Inside13th Fl Decon Outside13th Fl Decon					1194L			7/27/15 6:05a	<u>'</u>	
Client Samp			12 SC6W3	314 5	CGW 31:		tal # of Sa	amples	<u> </u>		
Relinquished		- 10		Date:	7/27/		Time:	1 1 1 1	5:30 pm		
Received (Lat		Date:	That 5 Time			10000					
Comments:	-,-				140	//	1		·		
						•					

Page 1 of 2 pages



### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

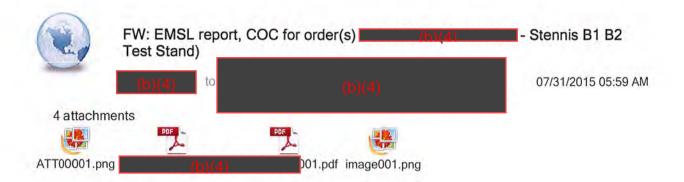
Orlando, FL 32804 PHONE. (407) 599-5887

FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	ages of the Chain of Custody are only necessary if ne Location	Volume/Area	
<u> </u>		<u></u>	Date/Time Sampled
S1008	Below 13th Fl Decon	1194L	7/27/15 6:06am 4:03pm
S1009	Outside 10th FI East Exterior	1148L	7/27/15 6:35am 4:09pm
S1010	Outside 10th FI West Exterior	1148L	7/27/15 6:35am 4:09pm
S1011	(b)(4) latal)Primer Paint 14th fl Inside S Containment	490L	7/27/15 12 07pm 4.12pm
S1012	Blank	OL	7/27/15
SCGW314	Inside the 13th Floor Decon	12x12	7/27/15
SCGW315	Outside the 13th Floor Decon	12x12	7/27/15
Comments/Sp	pecial instructions:		

 $\mathsf{Page} \, \underline{2} \, \mathsf{of} \, \underline{2} \, \mathsf{pages}$ 



Attached please find the test results for July 28, 2015. All the air and wipe samples are within acceptable levels.

(b)(4) MS, CIH

President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone
Cell: (b)(4)

Email: (b)(4)
www.OHCNET.com<a href="http://www.ohcnet.com/">

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com] Sent: Thursday, July 30, 2015 3:22 PM

To: (b)(4)

Subject: EMSL report, COC for order(s) (b)(4) - Stennis B1 B2

Test Stand)

Report, COC for order(s):

(b)(4) - Stennis B1 B2 Test Stand

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Analyst

Laboratory

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Some of the resources EMSL Analytical, Inc. offers to our clients:

```
LABConnect <a href="https://extranet.emsl.com/">LABConnect <a href="http://www.emsl.com/ProductCatalogHome.aspx">Louent Corner</a> <a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training</a> <a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=477</a> | Additional Resources</a> <a href="http://www.emsl.com/index.cfm?nav=Pages&ID=421">http://www.emsl.com/index.cfm?nav=Pages&ID=421</a> | Sampling Videos</a> <a href="http://www.emsl.tv">http://www.emsl.tv</a>
```

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5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

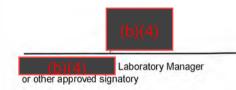
Project: Stennis B1 B2 Test Stand

(813) 626-8156 Phone: Fax: (813) 623-6702 Received: 07/30/15 9:10 AM

Collected: 7/28/2015

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected A	nalyzed	Volume	RDL	Lead Concentration
S1013 341507403-0001	7/28/2015 7/3 Site: 14th Floo	30/2015 or Inside Soft	1022 L Core	3.9 µg/m³	<3.9 µg/m³
S1014 341507403-0002	7/28/2015 7/3 Site: Blank	30/2015	0 L	4.0 μg/filter	<4.0 µg/filter
S1015 341507403-0003	7/28/2015 7/3 Site: (b)(4	30/2015 (ADS) (	976 L Clean Up 13th FI S. Containment	4.1 μg/m³	23 μg/m³
S1016 341507403-0004	7/28/2015 7/3 Site: Inside 13	30/2015 8th FI decon	1112 L	3.6 µg/m³	6.7 µg/m³
S1017 341507403-0005	7/28/2015 7/ Site: Outside	30/2015 13th FI Deco	1112 L n	3.6 μg/m³	<3.6 µg/m³
S1018 341507403-0006	7/28/2015 7/ Site: Below 13	30/2015 8th FI Decon	1112 L	3.6 µg/m³	<3.6 µg/m³
S1019 341507403-0007	7/28/2015 7/ Site: Outside	30/2015 10th FI East	1036 L Exterior	3.9 µg/m³	<3.9 μg/m³
S1020 341507403-0008	7/28/2015 7/ Site: Outside	30/2015 10th FI Wes	1036 L t Exterior	3.9 µg/m³	<3.9 µg/m³



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. ""(" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 07/30/2015 15:20:41



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn: (b)(4)

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

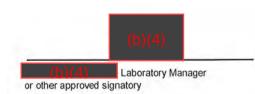
Project: Stennis B1 B2 Test Stand

Phone: (813) 626-8156 Fax: (813) 623-6702 Received: 07/30/15 9:10 AM

Collected: 7/28/2015

#### Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW316	7/28/2015	7/30/2015	144 in²	10 μg/ft²	97 μg/ft²
341507403-0009	Site: Inside	The 13th Flo	or Decon		
SCGW317	7/28/2015	7/30/2015	144 in²	10 μg/ft²	81 μg/ft²
341507403-0010	Site: Outsic	de The 13th F	loor Decon		



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft/2 x area sampled in ft/2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft/2 which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "c" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 07/30/2015 15:20:41



### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

				. , , , ,								99-9003
Company : OH	C Environmental	Engine	ering, Ir	nc.		E <b>l</b> If Bill	VISL-Bill ( to is Differe	nt note in	Diffe structions	erent /	Same	
Stroot: 5420 B	ay Center Drive S	Suite 10	0		7	himi Darty R	illina reauli	es writte	en autho	rization from	third p	artv
City: Tampa			rovince	FL_	Third Party Billing requires written authorization from third party  Zip/Postal Code: 33609 Country: United States							
Report To (Nan	ne); (b)(4)				Telephone #: 813-626-8156							
Email Address		(b)(/	1)		Fax #:	813-623-	6702		- 1	Purchase	Order	:
	Number: Stennis	B1 B2 1	est Sta	ind	Please I	Provide Re	sults:	FA	x ,	/ E-mail		Mail
	ples Taken: MS			1				al/Taxa	ble 🗌	Resident	ial/Tax	Exempt
O.O. Outo Cam	proo ranoni	Tu	rnarou	nd Time (TA								
3 Hour	☐ 6 Hour	<b>2</b> 4		48 Hour		72 Hour	□ 96			1 Week		2 Week
		complete	d in accor	dance with EMS	L's Terms				rice Gui	de		Charle
	Matrix			Method	·	+	strumen		Ke	porting L	ımıt	Check
Chips □ % by	wt. mg/cm²	] ppm		SW846-7000E	3	Flame /	Atomic Abs	orption	<u> </u>	0.01%		
Air 24 hr.	•			NIOSH 7082			Atomic Abs			4 µg/filter		×
£-7 (II.				NIOSH 7105			nite Furnac			0.03 µg/filt		╂┈╬┈╣
		IIOSH 7300 mod		+	-AES/ICP-I			0.5 µg/filte		<del>                                     </del>		
Wipe*	ASTM	×		SW846-7000E		Flame A	Atomic Abs	orption		10 μg/wip		×
*if no box is	checked, non-ASTM					Gran	ICP-AES	- ΔΔ		1.0 µg/wip 075 µg/wi		누片
	Wipe is assumed	6-1311/7000B/S						1 mg/L (pr	┝┼┤			
TCLP		010B or C	rianie /	ICP-AES	Olption		1 mg/L (pr					
Soil	SW846-700				В	Flame	Atomic Abs	orption	40	mg/kg (p	pm)	
				SW846-7010		Grap	hite Furnac	e AA		rng/kg (p		
			ļ	SW846-6010B		<del> </del>	ICP-AES			mg/kg (pp		┡┼
Wastewater	Unpreserved		SN	M3111B/SW846-	7000B		Atomic Abs			4 mg/L (p) 03 mg/L (p		
Preserved wi	th HNO₃pH < 2		EPA 200.9 EPA 200 7			ICP-AES				20 mg/L (r		
Drinking Wat	ter Unpreserved		1	EPA 200.9	Graphite Furnace AA C				03 mg/L (p			
	th $HNO_3$ pH < 2			EPA 200.8			ICP-MS			001 mg/L (p		
TSP/SPM File	ter		<u> </u>	40 CFR Part 5		ICP-AES Graphite Furnace AA			12 µg/filter 3.6 µg/filter		<del></del>	
Other:	· · · · · · · · · · · · · · · · · · ·			40 CFR Part		Стар	inte rumat	~ ~ ~ ~ ·	+-	3.0 µg/me	<del>-</del> -	
			<u> </u>		Tsign	nature of	Sample			(b)(4)		
Name of Sam Sample #	ibier (n)(4)	Locati	ion		<u> [ U.g.</u>		ıme/Are			Date/	Time	Sampled
\$1013	14th floo			Core			,022L	<u> </u>				am 2:21pm
S1014		Blar	ık				OL.				7/28	/15
S1015	(b)(d) ADS			S Containment	1		976L			7/28/15	6:15	am 2:23pm
S1016	Inside13th Fl Decon				<u> </u>	1	,112L			7/28/15	5 5:55	am 2:23pm
S1017	Outside13th FI Decon				<u> </u>	1	,112L			7/28/15	5 5:55	am 2:23pm
Client Samp		- 510		SCGW3	6 5	6W317	Tota	l# of	Sampl	<b>es:</b> 10		
Relinquished		<u> </u>		Date:		3/15		Time		5:30 p	om	
					1	P2415		Time		9:	10	,
Received (Lat	<del></del>			Date:	<del></del>	771-		1 111116	<u>•</u>	1. `		

Page 1 of 2 pages





### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc.		
5125 Adanson Street.	Suite	90

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S1018	Below 13th Fl Decon	1,112L	7/28/15 5:55am 2:24pm
S1019	Outside 10th Fl East Exterior	1,036L	7/28/15 6:02am 2:40pm
S1020	Outside 10th Fl West Exterior	1,036L	7/28/15 6;02am 2:40pm
SCGW316	Inside the 13th Floor Decon	12x12	7/28/15
SCGW317	Outside the 13th Floor Decon	12x12	7/28/15
-			
Comments/S	pecial Instructions:		

Page 2 of 2 pages



FW: EMSL report, COC for order(s)

Stennis B1 B2

Test Stand)

08/03/2015 05:12 PM

Attached please find the test results for samples collected on July 29, 2015. All the air samples are below detection limit except the blaster. The blaster was wearing adequate respiratory protection for the exposure level.

MS, CIH

President

[cid:image001.png@01CD10DB.A9302780] OHC Environmental Engineering Inc.

5420 Bay Center Drive Tampa, Florida 33609

Phone

Cell:

Email:

www.OHCNET.com<ahttp://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Monday, August 03, 2015 3:02 PM

To:

Subject: EMSL report, COC for order(s)

Stennis B1 B2

Test Stand)

Report, COC for order(s):

- Stennis B1 B2 Test Stand

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<http://www.emsl.com/>[cid:1169e0d4-f9fd-41e3-9b3d-3a9082248540]

http://www.emsl.com/><http://www.emsl.com/> Laboratory

Analyst /LaboratoryTechnical Director

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804

Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical, Inc. offers to our clients:

LABConnect <a href="https://extranet.emsl.com/"> Order Products </a>

http://www.emsl.com/ProductCatalogHome.aspx> | Client Corner<

http://www.emsl.com/index.cfm?nav=Pages&ID=420> | Training<

http://www.emsl.com/index.cfm?nav=Pages&ID=477> | Additional Resources<

http://www.emsl.com/index.cfm?nav=Pages&ID=421> | Sampling Videos<

http://www.emsl.tv>

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5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax:

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

08/03/15 8:35 AM

Collected:

7/29/2015

**Test Report** 

Client Sample Description

S1021

Lab ID 341507547-0001 Collected:

7/29/2015

14th Floor Inside Soft Core

Test Method Pb-FLAA 7082

Parameter I ead

Analyzed

Volume 978 1

Concentration <4.1 µg/m³

Client Sample Description

S1022

Lab ID 341507547-0002 Collected:

7/29/2015

ADS) Blasting 13th FI S. Co

Test Pb-FLAA

Method 7082

Parameter Lead

Analyzed 8/3/2015

8/3/2015

Volume 660 L Concentration 990 µg/m³

Client Sample Description

S1023

Lab ID 341507547-0003 Collected:

7/29/2015

(ADS) Spot Abatement On 1

Method Test Pb-FLAA 7082

Parameter Lead

Analyzed 8/3/2015 Volume 860 L Concentration

<4.7 µg/m³

Client Sample Description

S1024

Lab ID 341507547-0004 Collected:

7/29/2015

Test Pb-FLAA

Test Pb-FLAA

Test

Pb-FLAA

Method 7082

Parameter Lead

Inside 13th FI Decon

Analyzed 8/3/2015 Volume 976 L

Concentration <4.1 µg/m³

Client Sample Description

S1025

Lab ID 341507547-0005 Collected:

7/29/2015

Method 7082

Method

7082

Outside 13th FI Decon Parameter Lead

Analyzed 8/3/2015 Volume 976 L Concentration <4.1 µg/m³

Client Sample Description

S1026

Lab ID 341507547-0006 Collected:

7/29/2015

Below 13th FI Decon

Lead

Parameter

Analyzed 8/3/2015 Volume 976 L Concentration

<4.1 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted.
"<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 08/03/2015 15:00:30



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax:

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

08/03/15 8:35 AM

Collected:

7/29/2015

**Test Report** 

Client Sample Description

Lab ID 341507547-0007 Collected:

7/29/2015

Outside 10th FI East Exterior

Test Pb-FLAA

Method 7082

Parameter

hea I

Analyzed 8/3/2015 Volume 976 L Concentration

Client Sample Description

S1028

Lab ID 341507547-0008 Collected:

7/29/2015

Outside 10th FI West Exterior

Test Pb-FLAA Method 7082

Parameter Lead

Analyzed 8/3/2015 Volume 976 L Concentration

<4.1 µg/m³

<4.1 µg/m³

Client Sample Description

S1029

Lab ID 341507547-0009 Collected:

7/29/2015

Concentration

Test Pb-FLAA Method

Parameter

Lead

Natal) Primer Paint FII Analyzed 8/3/2015

Volume 270 L

<15 µg/m³

Client Sample Description

S1030 Blank Lab ID 341507547-0010 Collected:

7/29/2015

Test Pb-FLAA Method 7082

7082

Parameter Lead

Analyzed 8/3/2015

Volume

0 L

Concentration

<4.0 µg/filter

Client Sample Description

SCGW318

Lab ID 341507547-0011 Collected:

7/29/2015

Test

Method 7000B

Parameter

Lead

Analyzed

8/3/2015

Area Sampled 144 in²

Concentration

160 µg/ft2

**SCGW319** 

Lab ID 341507547-0012 Collected:

7/29/2015

Client Sample Description

Outside The 13th Floor Decon

Test Pb-FLAA

Pb-FLAA

Method 7000B

Lead

Parameter

Inside The 13th Floor Decon

Analyzed 8/3/2015 Area Sampled 144 in²

Concentration

69 µg/ft2

Laboratory Manager

or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in gyft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 08/03/2015 15:00:30



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE (407) 599-5887

		FAX: (407) 599-9063										
Company:	HC Environn	nental Engin	eering, Inc.	•	EMSL-Bill to: Different / Same If Bill to is Different note instructions in Comments**							
Street: 5420	Bay Center D	Prive Suite 1	00		Third Party Billing requires written authorization from third party							
City: Tampa		State/	Province:	FL	Zip/Postal Code: 33609 Country: United States							
Report To (N	lame): (b)	(4)			Telephone #: 813-626-8156							
Email Addre	ss:	(b)(	4)		Fax #: 813-623-6702 Purchase Order:							
Project Name	e/Number: Ste	uuis R1 R5	lest Stand			rovide Re		FAX	✓ E-mail	Mail		
U.S. State Sa	mples Taken:	MS			T			<u> </u>	<del></del>			
			urnaround	Time (T/	CT Samples: ☐ Commercial/Taxable ☐ Residential/Tax Exempt  AT) Options* - Please Check							
3 Hour	☐ 6 Hot	Hour	☐ 48 Hou						2 Week			
	*Analysis completed in accordance with El						ns located in t	he Price	Guide			
matrix Method							trument		Reporting Limi	t Check		
	by wt. 🔲 mg/ci	m² ☐ ppm	5	W846-7000	В	Flame At	omic Absorpti	on	0.01%	П		
^{Air} 24 hr.		•	<u></u>	NIOSH 7082	2	Flame At	omic Absorpti	on	4 µg/filter	×		
		••		NIOSH 7105			te Furnace AA		0.03 µg/filter	1 7		
				SH 7300 mo		ICP-/	AES/ICP-MS		0.5 µg/filter			
Wipe*	AS non AS	TM 🖾		W846-7000	<del></del> -	Flame At	omic Absorpti	on	10 μg/wipe	×		
*if no box i	s checked, non-A	STM		846-6010B		<b>—</b> —	CP-AES		1.0 µg/wipe			
TOLD	Wipe is assu	med		346-7000B/7		Graphite Furnace AA			0.075 µg/wipe			
TCLP			SW846-1311/7000B/SM 3			Flame Atomic Absorption			0.4 mg/L (ppm)			
Soil			SW846-1131/SW846-6010B or C SW846-7000B			ICP-AES Flame Atomic Absorption			0.1 mg/L (ppm)			
			SW846-7010			Graphite Furnace AA			40 mg/kg (ppm)			
			SW846-6010B or 0			ICP-AES			0.3 mg/kg (ppm) 2 mg/kg (ppm)	<del>}                                    </del>		
Wastewater	Unpreserv	red [7]		1B/SW846-	7000B	Flame Atomic Absorption		n	0 4 mg/L (ppm)			
	ith HNO ₃ pH		EPA 200.9			Graphite Furnace AA		0	.003 mg/L (ppm	)		
Drinking Wa	ter Unnresen	/ed [ ]		EPA 200.7		ICP-AES			.020 mg/L (ppm			
Preserved w	ith HNO ₃ pH	< 2		EPA 200.9 EPA 200 8	·	Graphite Furnace AA ICP-MS			0.003 mg/L (ppm)			
TSP/SPM Fil			40 CFR Part 50		0	ICP-AES		-+	0.001 mg/L (ppm) 12 µg/filter			
·	tei		40 CFR Part 50			Graphite Furnace AA			3.6 µg/filter			
Other:									<u> </u>			
Name of San	npler (b)(	4)			Signa	ture of Sa	mpler					
Sample #		Location					e/Area		Date/Time	e Sampled		
S1021	14th	floor Inside	e Soft Co	re	978L				7/29/15 7:25am 3:34pm			
S1022	(b)(4) AC	S)Blasting 1	3th fl S. Cor	ntainment	660L				7/29/15 7:40am 1:10pm			
S1023	(b) (4) ADS)Spot Abatement on 15th FI Corvette Extenor			860L				7/29/15 7:40am 2:50pm				
S1024	Inside13th FI Decon			976L				<del></del>				
S1025 Outside13th Fl Decon					6L		7/29/15 7:32am 3:36pm 7/29/15 7:32am 3:36pm					
Client Sample #'s 5/021 - 51030 506W318				6W318	SCGW		Total # of	Samr				
Relinquished	(Client)			Date:	7/29/1		Tim		5:30 pm			
Received (Lab	):			Date:	813	3/15	Time		8:35	An		
Comments:						<i>γ</i>	1					
										j		

Page 1 of 2 pages

2



### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc.		
5125 Adanson Street	Suite	90

(b)(4)

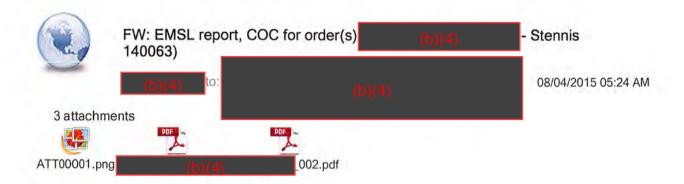
Orlando, FL 32804 PHONE: (407) 599-5887 FAX. (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S1026	Below 13th FI Decon	976L	7/29/15 7:33am 3:37pm
S1027	Outside 10th FI East Exterior	976L	7/29/15 7:38am 3:30pm
S1028	Outside 10th Fl West Exterior	976L	7/29/15 7:38am 3:30pm
S1029	(b)(4) [Natal)Primer Paint 13th fl Inside S Containment	270L	7/29/15 1:15pm 3:30pm
S1030	Blank	OL	7/29/15
SCGW318	Inside the 13th Floor Decon	12x12	7/29/15
SCGW319	Outside the 13th Floor Decon	12x12	7/29/15
		- <del> </del>	
· · · · · · · · · · · · · · · · · · ·			
Comments/Sn	ecial Instructions:		
	ooid: 11191 4040113,		

Page 2 of 2 pages

NASA	National Aeronautics and Space Administration CONTI	RACTO	R TRAN	ISMITTA	L SHEE	т	DATE		ugust 19, 2015
	John C. Stennis Space Center Stennis Space Center, MS 39529-6000						1	SHEET OF	1
	SECTION I - REQUEST FO	OR APPR	OVAL (To	be Initiate	ed by the	2 Contractor		76.0	
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA,	, MATERIAL	SAMPLES,	OR	CON	TRACT NO.	X	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF COI				NNS	14AA30T			
TO.	(See Instructions on Reverse)			Table WOLLS T	CHONY		0	RESUBMITT	
TO (b)/	FROM HARRY PEPPER & ASS	SOCIATES	INC	PREVIOUS II	RANSMITTA <b>N/A</b>	AL NO. (If Any)	11	RANSMITTA	L NO.
SPECIFICAT	TON AND SECTION NO. (Cover Only One Section With Each T			TITLE AND LOC				441	
200H0-GA						B00-03 SOFT CO	RE PAINTIN	NG	
ITEM	DESCRIPTION OF ITEM SUBMITTED (Type, Size, Model Number, etc.)	MAN	UFACTURER	R OF ITEM	NO OF	CONTRACT REF		VARIATION (See	ACTION CODE
NO.	(See Instruction No. 3)	(See	Instruction	1 No. 8)	COPIES	SPECIFICATION PARAGRAPH NO.	DRAWING SHEET NO.	Instruction No. 6)	(See Instruction No. 9 (h)
(a)	(b)		(c)		(d)	(e)	(f)	(g)	
1	Samples collected on Negative air machine 7-31-15	OHC			3	3.4.1.1.c	-	-	
2	Samples collected on 7-31-15	OHC			3	3.4.1.1.c	-	1,4.1	-
3	Air & Wipe Samples collected on 8-13-15	ОНС			3	3.4.1.1.c	1	17.	-
4	Air & Wipe Samples collected on 8-15-15	ОНС			3	3.4.1.1.c	-		0
5	Air & Wipe Samples collected on 8-17-15	ОНС			3	3.4.1.1.c	-	-	1.4
-	~			0-1	2.001	1 41	-	-	
-				-	-		-	- 1	1
-	35			-	1245	-	-		
-				-	-	-	-	27	-
REMARKS:	3 Hard Copies			-	- Loortify that	the phone submitt	- ditama haw	-	-
HEIN/HHO.	3 Hard Copies				detail and ar	the above submitting correct and in stress excellent the specifications excellent NAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME AND SIGNAME SIGNAME AND SIGNAME AND SIGNAME SIGNAME SIGNAME SIGNAME SIGNAME	rict conformation as stated (b)(4)	nce with the cor	ntract
	SEC	CTION II -	APPROV	AL ACTION	J				
ENCLOSURE	ES RETURNED (List by Item No.)	NAME, TITI	LE, AND SIG	SNATURE OF A	PPROVING	AUTHORITY	DATE		



Attached please find the test results for the sample collected of the exhaust tube of the negative air machine. The sample indicated a low level of Lead dust at 210 ug/wipe. Since this was discovered ADS has replaced all the HEPA filters and exhaust tubing in all the negative air machines and are instructed to check the clips on the HEPA filters daily along with checking the containment.

MS, CIH President

OHC Environmental Engineering Inc.

5420 Bay Center Drive

Tampa, Florida 33609 Phone:

Cell:

Email:

www.OHCNET.com

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----Original Message----

From: Mark Fohn

Sent: Saturday, August 01, 2015 3:10 PM

Subject: FW: EMSL report, COC for order(s) Stennis

140063)

This is the e mail I received from EMSL.

OHC Environmental Engineering, Inc. 5420 Bay Center Drive, Suite 100 Tampa, Florida 33609

office

cell

From: EMSL (Baton Rouge) [batonrougelab@emsl.com]

```
Sent: Friday, July 31, 2015 5:47 PM
To:
Subject: EMSL report, COC for order(s)
                                             (b)(4) - Stennis 140063)
Report. COC for order(s):
          - Stennis 140063
Please tell us how we are doing.
Click here to fill out our Customer Survey<
http://www2.emsl.com/custsurvey/?fromregion=eastcoast>
<a href="http://emsl.com/>[cid:e3abd6b4-457b-4deb-b507-lee97a61a95e]">http://emsl.com/>[cid:e3abd6b4-457b-4deb-b507-lee97a61a95e]</a>
http://www.emsl.com/> /5//// | Lead Laboratory Supervisor
   EMSL Analytical, Inc. | 11931 Industriplex Boulevard, Suite 100 | Baton
Rouge, LA 70809
   Phone: 225-755-1920 | Fax: 225-755-1989 | Toll Free: 866-318-3920
   Lab Hours: Monday - Friday 8AM - 5PM, Saturday-Sunday On-Call
Some of the resources EMSL Analytical, Inc. offers to our clients:
LABConnect <a href="https://extranet.emsl.com/">https://extranet.emsl.com/"> Order Products </a>
http://www.emsl.com/ProductCatalogHome.aspx> | Client Corner<
http://www.emsl.com/index.cfm?nav=Pages&ID=420> | Training<
http://www.emsl.com/index.cfm?nav=Pages&ID=477> | Additional Resources<
http://www.emsl.com/index.cfm?nav=Pages&ID=421> | Sampling Videos<
http://www.emsl.tv>
______
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11931 Industriplex, Suite 100, Baton Rouge, LA 70809

Phone/Fax: (225) 755-1920 / (225) 755-1989

http://www.EMSL.com

batonrougelab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

07/31/15 11:30 AM

Collected:

7/31/2015

Project: Stennis 140063

#### Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
DW-01 ***	7/31/2015	7/31/2015	n/a	10 μg/wipe	210 µg/wipe
251505069-0001	Site: Neg	Air Tubing			

*** Dust wipe sample collected from bulk sample by EMSL personnel per client's request. Sample collection is outside of the laboratory's scope of accreditation; lab is not responsible for the accuracy of results when requested to sample in the lab.



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/fi2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 07/31/2015 16:24:15



### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 11931 Industriplex Boulevard,

EMSL Order ID (Lab Use Only):

(b) (4)

Baton Rouge, LA 70809 PHONE: (225) 755-1920 FAX: (225) 755-1989

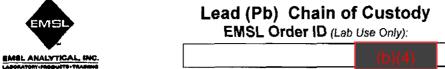
					W-155				
Company : OH	C Environmental Eng	EMSL-Bill to: Different / Same  If Bill to is Different note instructions in Comments**							
Street: 5420 Ba	ay Center Drive Suite	∋ 100	Third Party Billing requires written authorization from third party						
City: Tampa		te/Province: FL	Zip/Postal Code: 33609 Country: United States						
	ne) <del>:Accounts Paya</del> bl	(b)(4) (b)	relephone #: 813-626-8156						
	: ohcaccountant@ol	(~/(:/	Fax #: 813-623-6702 Purchase Order:						
	Number: Stennis 1400		<del></del>		FAX 🗸	E-mail I	Mail		
	ples Taken: MI			les: Commercial/Ta	xable   F	Residential/Tax	Exempt		
O.O. Otate Gain	ipies rakeii	Turnaround Time (TA							
3 Hour	1/4 7 6 Hour	24 Hour		Hour 96 Hou	r 🔲 1	Week 🗌	2 Week		
	*Analysis com	pleted in accordance with EM	SL's Terms a	nd Conditions located in th	e Price Guide	;			
	Matrix	Method		Instrument	Repo	orting Limit	Check		
Chips 🗀 % by	y wt. 🗌 mg/cm² 🔲 pp	om SW846-7000	OB.	Flame Atomic Absorption	ก	0.01%			
KIT	y bu alt	NIOSH 708	2	Flame Atomic Absorption	on 4	µg/filter			
	1. 07 W.	NIOSH 710	5	Graphite Furnace AA	0.0	3 µg/filter			
, <u>, , , , , , , , , , , , , , , , , , </u>		NIOSH 7300 mg		ICP-AES/ICP-MS		5 µg/filter			
Wipe*	ASTM 🔽	SW846-7000	0B	Flame Atomic Absorption	on 10	) μg/wipe	V		
•	non ASTM	SW846-6010B	or C	ICP-AES		0 μg/wipe			
*if no box is	checked, non-ASTM Wipe is assumed	SW846-7000B/	/7010	Graphite Furnace AA	0.0	75 μg/wipe			
TCLP		SW846-1311/7000B/	/SM 3111B	Flame Atomic Absorption	on 0.4	mg/L (ppm)			
TOE!		SW846-1131/SW846-		ICP-AES	0.1	mg/L (ppm)			
Soil		SW846-700	SW846-7000B			40 mg/kg (ppm)			
3011			SW846-7010			0.3 mg/kg (ppm)			
			SW846-6010B or C			ng/kg (ppm)	<del></del>		
Wastewater	Unpreserved [	SM3111B/SW846	SM3111B/SW846-7000B			mg/L (ppm) 3 mg/L (ppm)	<del>                                     </del>		
• • • • • • • • • • • • • • • • • • • •	Unpreserved $\square$ ith HNO ₃ pH < 2 $\square$	EPA 200.5	EPA 200.9			mg/L (ppm)			
Drinking Wa	ter Unpreserved					3 mg/L (ppm)			
	ter Unpreserved ith HNO ₃ pH < 2	EPA 200		ICP-MS		1 mg/L (ppm)			
***		40 CFR Part	t 50	ICP-AES		2 µg/filter			
TSP/SPM Fil	ter 	40 CFR Part	40 CFR Part 50		3	6 µg/filter			
Other:				<u> </u>					
Name of Sar	mpler:		Sign	ature of Sampler:					
Sample #	Lo	ocation		Volume/Area		Date/Time S	Sampled		
DW-01	NEG AIR TU	BING	ì			7/31/15	5:30AL		
	77.00 11.00	<u> </u>				1 7			
					-		<del></del>		
	-		+						
Client Samp	le #'s   Dw-0\ -	······		Total # 6	of Sample	s:			
		Date:	. 7,	12.1 -	me:	1	<u>—</u>		
(b)(4)			-	133		5:304-			
Received (La	(L):	Date:		/3//S   Tir	ne:	111,500			
Comments: Jim Rizk at jrizk@oho	cnet.com and mfohn@ohcnet.com	Thanks							
Jim Rizk at jrizk@oho	chet.com and mfohn@ohcnet.com	Thanks							

Page 1 of ____ pages





EMSL Analytical, Inc. 11931 Industriplex Boulevard,



Baton Rouge, LA 70809

PHONE: (225) 755-1920

FAX: (225) 755-1989

Company: OHC Environmental Engineering, Inc.			EMSL-Bill to: Different Same  If Bill to is Different note instructions in Comments**								
Street: 5420 B	ay Center Drive S	Suite 10	0	Third Party Billing requires written authorization from third party							
City: Tampa		State/P	rovince: FL	Zip/Postal Code: 33609 C				Country: United States			
Report To (Na	me): <del>Accounts Pa</del>	<del>/able</del> -	(b)(4)	Telephon	e#: 813-626-81						
	: ohcaccountant		et.com	Fax#: 8	313-623-6702	Pu	Purchase Order:				
	Number: Stennis 1			Please P	ovide Results:	FAX	<b>V</b>	E-mail [	Mail		
	nples Taken: MI		CT Samp	les:  Commerci	a!/Taxab	le 🗌 R	esidential/Tax	Exempt			
O.O. Culto Cult	,	Tu	rnaround Time (TA								
3 Hou(b)	(4) 6 Hour	□ 24			2 Hour 🔲 96		<u></u> 11	Week 2 Week			
		completed	in accordance with EMS	L's Terms a			ce Guide		- Ch I		
Matrix Method				Instrumer	it		rting Limit	Check			
Chips 🗆 % b	y wt.   mg/cm²	] ppm	SW846-7000E	3	Flame Atomic Abs	orption	(	0.01%			
Kir Dunk	y bus to	16	NIOSH 7082		Flame Atomic Abs	orption	4	µg/filter			
-5000	1. 7	b)(4	NIOSH 7105		Graphite Furnac	e AA	0.03	3 µg/filter			
			NIOSH 7300 mod	lified	ICP-AES/ICP-	MS	0.5	µg/filter			
Wipe*	ASTM	Z	SW846-7000E	3	Flame Atomic Abs	orption	10	µg/wipe	<u>₩</u>		
•	non ASTM		SW846-6010B o	or C	ICP-AES		1.0	µg/wipe			
"if no box is	s checked, non-ASTM Wipe is assumed		SW846-7000B/7010		Graphite Furnace AA		0.075 µg/wipe				
TCLP	<del></del>		SW846-1311/7000B/SM 3111		Flame Atomic Absorption		0.4 mg/L (ppm)				
			SW846-1131/SW846-6	010B or C	ICP-AES		0.1 mg/L (ppm)				
Soil			SW846-7000B		Flame Atomic Absorption		40 mg/kg (ppm)				
			SW846-7010		Graphite Furnace AA ICP-AES		0.3 mg/kg (ppm)				
		_	SW846-6010B or C		Flame Atomic Absorption		2 mg/kg (ppm)				
Wastewater	Unpreserved		SM3111B/SW846-7000B EPA 200.9		Graphite Furnace AA		0.4 mg/L (ppm) 0.003 mg/L (ppm)		<del>-  - </del>		
Preserved w	ith HNO₃ pH < 2		EPA 200.9		ICP-AES		0.020 mg/L (ppm)				
Drinking Wa	ter Unpreserved		EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)				
	ith HNO ₃ pH < 2	Ħ	EPA 200 8		ICP-MS		0.001 mg/L (ppm)				
			40 CFR Part	40 CFR Part 50		ICP-AES		12 µg/filter			
TSP/SPM Fil	nter		40 CFR Part	50	Graphite Fumace AA		36	β µg/filter			
Other:			<u> </u>	<del>_</del>	<u>l</u>				<u> </u>		
Name of Sar	mpler:			Sign	ature of Sample						
Sample #		Locati	on		Volume/Are	<u>a</u>		Date/Time S	ampled		
DW-01	NEG DIR	TUBIA	160	1				7/31/15	5:30An		
								' '			
<u>'</u>											
				<u> </u>							
	<u> </u>		······································								
01:4 0	10 41- 1000-00			<u> 1</u>	Tota	al # of S	amnles				
Client Samp					<del></del>						
Relinquished (Client): Date:				31/15	Time:		5:30AL				
Received (Lab): (b)(4) Date:			7	131/15	Time:		11:300	21			
Comments:											
Jim Rizk at jrizk@oh	cret.com and mfohn@ohcnet	.com Thanks	•								
ì											

Page 1 of ____ pages



Attached please fin the test result for samples collected on July 31, 2015. All the samples are within acceptable levels.

President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone
Cell: (b)(4)

Email: (b)(4)
www.OHCNET.com<a href="http://www.ohcnet.com/">

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Tuesday, August 04, 2015 2:14 PM

To: (b)(4)

Subject: EMSL report, COC for order(s) - Stennis B1 B2

Test Stand)

Report, COC for order(s):

(b)(4) - Stennis B1 B2 Test Stand

Please tell us how we are doing.

Click here to fill out our Customer Survey<http://www2.emsl.com/custsurvey/?fromregion=eastcoast>

<http://www.emsl.com/>[cid:53b30e97-9571-4a45-a65f-175ba85c6713] 
http://www.emsl.com/><http://www.emsl.com/>
Analyst /LaboratoryTechnical Director
(b)(4)
Laboratory

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804 Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical, Inc. offers to our clients: LABConnect <a href="https://extranet.emsl.com/">https://extranet.emsl.com/</a> | Order Products <

http://www.emsl.com/ProductCatalogHome.aspx> | Client Corner<http://www.emsl.com/index.cfm?nav=Pages&ID=420> | Training<

Title - rages all - 420 | Training

http://www.emsl.com/index.cfm?nav=Pages&ID=477> | Additional Resources<

http://www.emsl.com/index.cfm?nav=Pages&ID=421> | Sampling Videos<

http://www.emsl.tv>

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Thank you."





5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com CustomerID:

OCCU56

CustomerPO: ProjectID:

EMSL Order:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156

Fax:

(813) 623-6702 08/04/15 8:40 AM

Received: Collected:

7/31/2015

Project: Stennis B1 B2 Test Stand

**Test Report** 

Client Sample Description

S1031

Lab ID 341507603-0001 Collected:

7/31/2015

14th Floor Inside Soft Core

Test Method

Client Sample Description

Parameter

Analyzed 8/4/2015 Volume 1308 L Concentration

Pb-FLAA 7082 I ead

S1032

Lab ID 341507603-0002 Collected:

7/31/2015

(ADS) Clean Up/Prep S.

Method 7082

Parameter Lead

Analyzed 8/4/2015 Volume 1298 L

Concentration 7.2 µg/m3

<3.1 µg/m³

Client Sample Description

S1033

Lab ID 341507603-0003 Collected:

7/31/2015

(ADS) Clean Up/Prep S.

Test Pb-FLAA

Test

Pb-FLAA

Method 7082

Parameter

Lead

Inside 13th FI Decon

I ead

Analyzed 8/4/2015

8/4/2015

Volume 1298 L Concentration

3.8 µg/m3

Client Sample Description

S1034

Lab ID 341507603-0004 Collected:

7/31/2015

Test Pb-FLAA Method

Parameter

Analyzed

Volume

1312 L

Concentration <3.0 µg/m³

Client Sample Description

S1035

Lab ID 341507603-0005 Collected:

7/31/2015

Test Pb-FLAA

Method 7082

7082

Outside 13th FI Decon Parameter Lead

Analyzed 8/4/2015

Volume 1312 L Concentration <3.0 µg/m³

<3.0 µg/m³

Client Sample Description \$1036

Below 13th FI Decon

Lab ID 341507603-0006 Collected:

7/31/2015

Test Pb-FLAA Method 7082

Parameter

Lead

Analyzed 8/4/2015 Volume 1312 L Concentration

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter, ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method This report may not be reproduced except in full, without written approval by EMSL This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 08/04/2015 14:13:42



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax:

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

08/04/15 8:40 AM

Collected:

7/31/2015

**Test Report** 

Client Sample Description \$1037

Lab ID 341507603-0007 Collected:

7/31/2015

Outside 10th FI East Exterior

Method Test Pb-FLAA

Parameter

Lead

Analyzed 8/4/2015 Volume 1214 L

Concentration

<3.3 µg/m³

Client Sample Description \$1038

Lab ID 341507603-0008 Collected:

7/31/2015

Outside 10th FI West Exterior

7082

Method 7082

Parameter Lead

Analyzed 8/4/2015 Volume 1214 L Concentration <3.3 µg/m³

Client Sample Description

S1039

Analyzed

Volume

Lab ID 341507603-0010 Collected:

Lab ID 341507603-0009 Collected:

Concentration

<4.0 µg/filter

Pb-FLAA

Test

Test

Pb-FLAA

Method 7082

Parameter Lead

8/4/2015

0 L

7/31/2015

Client Sample Description SCGW320

Inside The 13th Floor Decon

Concentration

37 µg/ft²

Test Pb-FLAA Method 7000B

Parameter I pad

Outside The 13th Floor Decon

Analyzed 8/4/2015

Area Sampled 144 in²

Client Sample Description SCGW321

Lab ID 341507603-0011 Collected:

7/31/2015

Test Pb-FLAA Method Parameter 7000B Lead

Analyzed 8/4/2015

Area Sampled

144 in²

Concentration 26 µg/ft²

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft' which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial Report From 08/04/2015 14:13:42



# Lead (Pb) Chain of Custody

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

	EMSL Order ID (Lab Use	Only):
!		
1		
4		

Company : OHC Environmental Engine	ering, Inc.		EMSL-Bil	i to:	Diffe	rent / Same					
Street: 5420 Bay Center Drive Suite 10	20 Bay Center Drive Suite 100				If Bill to is Different note instructions in Comments**  Third Party Billing requires written authorization from third party						
City: Tampa State/P	rovince: FL	Zip/Postal Code: 33609 Country: United States									
Report To (Name): (b)(4)		Telephone #: 813-626-8156									
Email Address: (b)(4	)		313-623-6702		F	urchase Order	:				
Project Name/Number: Stennis B1 B2 T	est Stand	Please P	rovide Results:	FAX		E-mail	Mai1				
U.S. State Samples Taken: MS			les: 🗌 Commer	cial/Taxab	ole 🗍	Residential/Tax	Exempt				
Tu	rnaround Time (TA	T) Option	s* - Please Ch	eck							
☐ 3 Hour ☐ 6 Hour ☐ 24	Hour 📗 🗌 48 Hour	7.	2 Hour 🔲 9	6 Hour	□1	Week 🔲	2 Week				
"Analysis completed Matrix	d in accordance with EMS	L's Terms a									
Chips [] % by wt. [] mg/cm² [] ppm	Method		Instrume		кер	orting Limit	Check				
<del></del>	SW846-7000E		Flame Atomic At			0.01%					
^{Air} 24 hr.	NIOSH 7082		Flame Atomic At			4 μg/filter	×				
,	NIOSH 7105 NIOSH 7300 mod		Graphite Furna ICP-AES/ICF			03 µg/filter 5 µg/filter					
Wipe* ASTM ⋉	SW846-7000E		Flame Atomic At			0 μg/wipe	×				
Wipe" ASTM  non ASTM  if no box is checked, non-ASTM	SW846-6010B o	or C	ICP-AES			0 µg/wipe					
Wipe is assumed	SW846-7000B/7	010	Graphite Furna	ce AA		75 µg/wipe					
TCLP	SW846-1311/7000B/S		Flame Atomic Ab	0.4 mg/L (ppm)							
0.4	SW846-1131/SW846-6		ICP-AES			0.1 mg/L (ppm)					
Soil	SW846-7000E	SW846-7000B SW846-7010		sorption	40 mg/kg (ppm)						
	SW846-6010B o		Graphite Furnace AA ICP-AES			0.3 mg/kg (ppm) 2 mg/kg (ppm)					
Wastewater Unpreserved	SM3111B/SW846-7	7000B	Flame Atomic Absorption		0.4 mg/L (ppm)						
Preserved with HNO ₃ pH < 2	EPA 200.9		Graphite Furna	ce AA	0.003 mg/L (ppm)						
	EPA 200.7		ICP-AES		0.020 mg/L (ppm)						
Drinking Water Unpreserved ☐ Preserved with HNO₃ pH < 2 ☐	EPA 200.9 EPA 200.8		Graphite Furna	ce AA	0.003 mg/L (ppm)						
	40 CFR Part 5	0	ICP-AES		0.001 mg/L (ppm) 12 µg/filter						
TSP/SPM Filter	40 CFR Part 50		Graphite Furnace AA		3.6 µg/filter		<del>     </del>				
Other:											
Name of Sampler: (b)(4)		Signa	ture of Sample	r:							
Sample # Location			Volume/Are	a		Date/Time Sampled					
S1031 14th floor Inside	Soft Core		1308L			7/31/15 5:45ai	m 4:45pm				
S1032 (b)(4) ADS)Clean up	/ prep S. Containment	1298L				7/31/15 6:00ai	m 4:49pm				
S1033 (b)(4) ADS)Clean up.	/ prep S. Containment	1298L				7/31/15 6:00am 4:49pm					
S1034 Inside13th F	l Decon	, -, -	1312L			7/31/15 5:51aı	m 4:47pm				
S1035 Outside13th	-I Decon		1312L			7/31/15 5:51aı	n 4:47pm				
Client Sample #'s -			Tota	# of Sa	mples	11					
Relinquished (Client):	te:	7/31/1	5	Time:		5:30 pm					
	)(4) e:	2/	4/15	Time:		8:401					
						******					
Comments:		,	•				ŀ				

Page 1 of 2 pages



# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc.		
5125 Adanson Street.	Suite	90

Orlando, FL 32804 PHONE (407) 599-5

PHONE (407) 599-5887 FAX: (407) 599-9063

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Lo	cation	Volume/Area	Date/Time Sampled
S1036	Below 1	3th Fl Decon	1312L	7/31/15 5:52am 4:47pm
S1037	Outside 10th	FI East Exterior	1214L	7/31/15 6:15am 4:22pm
S1038	Outside 10th	FI West Exterior	1214L	7/31/15 6:15am 4:22pm
S1039	В	lank	OL	7/31/15
SCGW320	Inside the 13	th Floor Decon	12x12	7/31/15
SCGW321	Outside the 1	3th Floor Decon	12x12	7/31/15
			***	
			***	
	,,,,			-
			100	
Comments/Sp	ecial Instructions:			<u> </u>
L				

Page 2 of 2 pages

FW: EMSL report, COC for order(s)

(b)(4)

Stennis B1 B2

Test Stand)

(b)(4)

(b)(4

08/19/2015 05:32 AM

Attached please find the test results for samples collected on August 13, 2015. All the air samples are below detection limit. All the wipe samples are well within acceptable levels.

(b)(4) MS, CIH

President

[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.

5420 Bay Center Drive Tampa, Florida 33609 Phone

Cell:

Email: (b)(4)

www.OHCNET.com<a href="http://www.ohcnet.com/">
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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Friday, August 14, 2015 5:41 PM

To: (b)(4)

Subject: EMSL report, COC for order(s) (b)(4) - Stennis B1 B2

Test Stand)

Report, COC for order(s):

(b)(4) - Stennis B1 B2 Test Stand

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<http://www.emsl.com/>[cid:de24f493-da2c-4f57-8215-d60cdbdb86dc]

http://www.emsl.com/><http://www.emsl.com/> (b)(4) | Lead Supervisor

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804 Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170

Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

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http://www.emsl.com/ProductCatalogHome.aspx> | Client Corner<

http://www.emsl.com/index.cfm?nav=Pages&ID=420> | Training<

http://www.emsl.com/index.cfm?nav=Pages&ID=477> | Additional Resources<

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orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone:

(813) 626-8156 (813) 623-6702

Fax: Received:

08/14/15 8:50 AM

Collected:

8/13/2015

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S1079 341508036-0001	8/13/2015 Site: Inside	8/14/2015 e Decon Leve	860 L el 13	4.7 µg/m³	<4.7 µg/m³
S1080 341508036-0002	8/13/2015 Site: Outs	8/14/2015 ide Decon Le	860 L vel 13	4.7 μg/m³	<4.7 μg/m³
S1081 341508036-0003	8/13/2015 Site: Belov	8/14/2015 w Decon Leve	860 L el 12	4.7 μg/m³	<4.7 μg/m³
S1082 341508036-0004	8/13/2015 Site	8/14/2015 (b)(4)	720 L Working In Containment	5.6 µg/m³	<5.6 μg/m³
S1083 341508036-0005	8/13/2015 Site: Outs		740 L x Area 10th Level Below Enclosure	5.4 μg/m³	<5.4 µg/m³
S1084 341508036-0006	8/13/2015 Site: Blank	100000000000000000000000000000000000000	0 L	4.0 μg/filter	<4.0 µg/filter

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 08/14/2015 17:40:26



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

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EMSL Order: CustomerID:

OCCU56

CustomerPO:

ProjectID:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

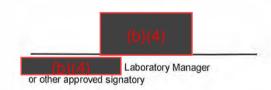
08/14/15 8:50 AM

Collected:

8/13/2015

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW331 341508036-0007	8/13/2015 Site: Insid	8/14/2015 e The Decon	144 in²	10 μg/ft²	<10 µg/ft²
SCGW332 341508036-0008	8/13/2015 Site: Outs	8/14/2015 ide The Decon	144 in²	10 μg/ft²	<10 µg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. ""< (less than) results signifies that the analytic was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements as the liberatory by the ALLA LAP unless specifically indicated otherwise. requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 08/14/2015 17:40:26

OrderID: (b)(4)

# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

(b)(4) PHONE: FAX:

		L.,		(1	J)( <del>4</del> )			J		Fax:		
Company :					EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**							
Street;		·			Third Party Billing requires written authorization from third party							
City:	State/Province:				Zip/Posta					ountry:		
Report To (Na	•					e #:						
Email Address	<b>3</b> ;				Fax #:				Р	urchase	Order:	
Project Name/	Number:				Please Pi	ovide F	Results:	FAX		E-mail		Mail
U.S. State San	nples Taken:				CT Samp	les: 🗌	Commerc	ial/Taxab	ile 🗌	Resident	ial/Tax	Exempt
				ime (TA	T) Option		ease Che	ck			·	
☐ 3 Hour	│ ☐ 6 Hour │ ☒	(		48 Hour		2 Hour	, <u> </u>	Hour		Week		2 Week
	*Analysis comp	oleted in ac		<i>with EMS</i> lethod	L's Terms a		tions locate nstrume			e orting L	imie	Check
Chine 🗆 % b	y wt mg/cm² _ pp								Kep		iiiit	CITECK
	A Mr. C. IIIBicii. C. bh	-		846-7000E	3		Atomic Ab	•		0.01%		
Air				OSH 7082			Atomic Ab			4 µg/filter		×
				7300 mod	ified		phite Fuma P-AES/ICP			03 µg/filt .5 µg/filte		
Wipe*	ACTSA 🐼			846-7000E			Atomic Ab	_		.o μg/wip		<b>X</b>
wipe	ASTM Z	<b></b>		6-6010B o		rianie	ICP-AES			0 μg/wip		
*if no box is	s checked, non-ASTM Wipe Is assumed			6-7000B/7		Gra	phite Furna			75 µg/wi		
TCLP		SV	V846-131	1/70008/S	M 3111B	Flame Atomic Absorption			0.4 mg/L (ppm)			
		SW	846-1131	/SW846-6	010B or C				0.1 mg/L (ppm)			
Soil		<u> </u>		846-7000E	····	Flame Atomic Absorption			40 mg/kg (ppm)			
				/846-7010 6-6010B o		Graphite Furnace AA ICP-AES			0.3 mg/kg (ppm) 2 mg/kg (ppm)			
		+	SW846-6010B or C SM3111B/SW846-7000B			Flame Atomic Absorption			0.4 mg/L (ppm)			<del>                                      </del>
Wastewater	Unpreserved ☐ ith HNO₃ pH < 2 ☐		EPA 200.9			Graphite Furnace AA		0.003 mg/L (ppm)				
	01		EPA 200 7			ICP-AES		0.020 mg/L (ppm)				
	ter Unpreserved	<u> </u>	E1		Graphite Furnace AA		0.003 mg/L (ppm)					
, Preserved w	ith HNO₃pH < 2 □			PA 200.8 FR Part 5	0		ICP-MS			1 mg/L (p		
TSP/SPM Fil	ter			FR Part 5		ICP-AES Graphite Furnace AA			12 µg/filter 3.6 µg/filter		┝╌┝┤╌┆	
Other:						Graptine Furnace AX			Ť	.o pg/me	<u> </u>	
Name of San	pler (b)(4)				Signa	ture of	f Sample	r:	(b)	(4)		
Sample #		ation					lume/Are			Date/1	îme S	Sampled
S1079	Inside De	con lev	el 13				860			8-1	3-15	8:00
S1080	Outside De	econ le	vel 13				860			8-1	3-15	8:00
S1081	Below De	con lev	el 12				860			8-1	3-15	8:05
S1082	(b)(4) Working in Containment			inment	1					8-1	3-15	9:00
S1083	Outside the work area 10 th level below enclsure			enclsure			740			8-1	3-15	9:10
Client Samp	le #'s -			·- · · · · · · · · · · · · · · · · · ·			Tota	al # of Sa	ample	<b>s:</b> 6		
Relinquished	d (Client): (b)	(4)		Date:		,		Time:				
Received (Lat	o):			Date:	8/1	4/15		Time:		356	Dan	
Comments:	(b)(4	·)				( <del></del> -				- J	_	

Page 1 of 2 pages

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OrderID:	(b)(4)
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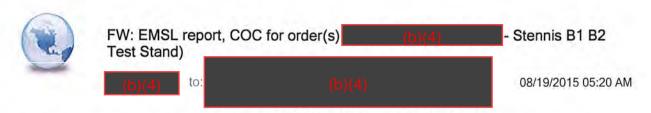
LEAD (Pb)	<b>CHAIN OF</b>	<b>CUSTODY</b>
EMS! OF	DED ID # ah	Han Outst.

EMSL ORDER ID (Lab Use Only,	):
(b)(4)	PHONE: FAX:

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S1084	Blank		8-13-15
<u>SCGW 331</u>	Inside the Decon	12" (2"	8-13-15
355 M 335	outside the Dacon	128 12"	8-13-15
<del></del>			
1			
	-		
Comments/S	pecial Instructions:		

Page 2 of 2 pages



Attached please find the test results for samples collected on August 15, 2015. The personal air samples are above the PEL, employees were wearing adequate protection based on the exposure level. All other air and wipe samples were well within acceptable levels.

MS, CIH President [cid:image001.png@01CD10DB.A9302780] OHC Environmental Engineering Inc. 5420 Bay Center Drive Tampa, Florida 33609 Phone: Cell: Email: www.OHCNET.com<http://www.ohcnet.com/> This electronic mail transmission may contain confidential or privileged information. The information is intended only to be for the use of the individual(s) or entity(ies) named above. If you believe that you received this message in error, please be aware that any disclosure, copying, distribution or use of the contents of this information is strictly prohibited. If you have received this message in error, please notify the sender immediately by reply transmission and delete this message. From: EMSL (Orlando) [mailto:orlandolab@emsl.com] Sent: Tuesday, August 18, 2015 2:07 PM To:

Subject: EMSL report, COC for order(s) Stennis B1 B2 Test Stand)

Report, COC for order(s): Stennis B1 B2 Test Stand

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EMSL Order: CustomerID: CustomerPO:

ProjectID:

Attn:

orlandolab@emsl.com

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

08/18/15 8:40 AM

Collected:

8/15/2015

OHC Environmental Engineering, Inc.

5420 Bay Center Drive Suite 100

Tampa, FL 33609

7082

Project: Stennis B1 B2 Test Stand

**Test Report** 

Client Sample Description S1095 Lab ID 341508162-0001 Collected:

8/15/2015

Inside Decon Level 13

Test Method Parameter

Lead

Analyzed 8/18/2015 Volume 960 L

Concentration <4.2 µg/m³

Client Sample Description

S1096

Lab ID 341508162-0002 Collected:

8/15/2015

Outside Decon Level 13

Test Pb-FLAA

Pb-FLAA

Method Parameter Lead 7082

Analyzed 8/18/2015 Volume 960 L

Concentration <4.2 µg/m3

Client Sample Description

S1097

Lab ID 341508162-0003 Collected:

Below Decon Level 12

Analyzed

Volume

Concentration

<4.2 µg/m³

Pb-FLAA

Test

Method 7082

Parameter I ead

8/18/2015

960 L

Client Sample Description

S1098

Blasting Levels 13, 12

Lab ID 341508162-0004 Collected:

8/15/2015

Concentration

2200 µg/m³

Test Pb-FLAA Method 7082

Parameter Lead

Analyzed 8/18/2015 Volume 850 L

Client Sample Description

S1099

Lab ID 341508162-0005 Collected:

8/15/2015

Method

Parameter

Blast Helper

Analyzed

Volume

Concentration 430 µg/m³

Pb-FLAA

Test

7082

Lead

8/18/2015

850 L

Client Sample Description

S1100

Lab ID 341508162-0006 Collected:

8/15/2015

Below the Containment Level 10

Test Pb-FLAA

Method 7082

Parameter Lead

Analyzed 8/18/2015

Volume 920 L

Concentration <4.3 µg/m³

, Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 08/18/2015 14:06:26



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http://www.EMSL.com orlandolab@emsl.com CustomerPO:

CustomerID:

OCCU56

ProjectID:

EMSL Order:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B1 B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

08/18/15 8:40 AM

Collected:

8/15/2015

**Test Report** 

Client Sample Description

S1101

Lab ID 341508162-0007 Collected:

8/15/2015

Ground Level Spot Ab

Parameter

Analyzed

Volume

Pb-FLAA

Test

Test

Pb-FLAA

Method 7082

Lead

8/18/2015

180 L

Concentration

<22 µg/m³

Client Sample Description \$1102

Lab ID 341508162-0008 Collected: Ground Level South Side B-2 Test Sta

8/15/2015

Method 7082

Parameter I ead

Analyzed 8/18/2015 Volume 180 L Concentration

<22 µg/m³

Client Sample Description

S1103 Blank Lab ID 341508162-0009 Collected:

8/15/2015

Test Pb-FLAA Method

7082

Method

7000B

Parameter

Analyzed

8/18/2015

Volume 0 L Concentration

<4.0 µg/filter

Client Sample Description

SCGW332

Lab ID 341508162-0010 Collected:

8/15/2015

Test Pb-FLAA

Test

Pb-FLAA

Inside Decon Level 13 Parameter Lead

Lead

Analyzed

Area Sampled 144 in²

Client Sample Description

SCGW333

Lab ID 341508162-0011 Collected:

8/15/2015

Method 7000B

Parameter Lead

Outside Decon Level 13

Analyzed 8/18/2015

8/18/2015

Area Sampled 144 in²

Concentration 13 µg/ft²

Concentration

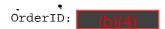
16 µg/ft2



Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/fl2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 08/18/2015 14:06:26



# Lead (Pb) Chain of Custody

EMSL Órder ID (Lab Use Only):

				(b)	(4)				P	HONE: FAX:			
Company: OHC Environmental Engineering, Inc.			EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**										
Street: 5420 Bay					Th.	ird Party Bill						artv	Ì
City: Tampa			rovince:	FL		l Code: 3				ountry: U			
Report To (Name	e) (b)(4)				Telephon	e#: 813-6	326-815	66					
Email Address:					Fax#: 8	313 <b>-</b> 623-6	702		Po	ırchase (	Order:		
Project Name/Nu	ımber: Stennis B1	B2 Test Sta	nd		Please Pi	rovide Res	ults:	FAX		E-mail		Mail	
U.S. State Samp		,,			CT Samp	les: 🗌 Co	mmerc	ial/Taxab	le 🔲 F	Residentia	al/Tax	Exem	ηpt
		·	rnaround										
☐ 3 Hour	6 Hour	■ 24	Hour d in accordar	48 Hour		2 Hour	_	Hour In the Pri		Week		2 We	ek
	Matrix	Complete	u III accordai.	Method	LS TEIMS A		trumer			rting Li	mit	Che	∍ck
Chips 🗆 % by v	vt. 🗌 mg/cm²	□ ppm	S	W846-7000E	3	Flame At	omic Abs	sorption	<u>.</u>	0.01%			]
Aìr				NIOSH 7082		Flame At	omić Abs	orption	4	μg/filter		×	
				NIOSH 7105		Graphit	e Furnac	e AA	0.0	3 µg/filte	r		]
			NIOS	SH 7300 mod	lified	ICP-A	AES/ICP-	MS	0.	5 µg/filter	•		
Wipe*	ASTM	x	S	W846-7000E	3	Flame At	omic Abs	sorption	10	) µg/wipe			]
fif no box is c	non ASTM hecked, non-ASTM		SW	846-6010B c	or C	IC	CP-AES			) µg/wipe			]
	Wipe is assumed			846-7000B/7		Graphite Furnace AA				75 μg/wip	<del></del> }		
TCLP		SW846-1311/7000B/S				Flame Atomic Absorption ICP-AES			0.4 mg/L (ppm)				ᆗ
e-ii				31/SW846-6 SW846-7000		Flame Atomic Absorption		contion	0.1 mg/L (ppm) 40 mg/kg (ppm)				╬┈
Soil				SW846-7000		Graphite Furnace AA			0.3 mg/kg (ppm)			— <b>├</b>	╡┈┪
				/846-6010B c	·	ICP-AES			2 mg/kg (ppm)				
Wastewater	Unpreserved	Ш	SM31	11B/SW846-	7000B				0.4 mg/L (ppm)				<u></u>
Preserved with				EPA 200 9 EPA 200.7		Graphite Furnace AA ICP-AES			0.003 mg/L (ppm) 0.020 mg/L (ppm)				╣
Drinking Wate	F Uniteserved			EPA 200.9		Graphite Furnace AA			0.003 mg/L (ppm)				╅┪
Preserved with				EPA 200.8		ICP-MS			0.001 mg/L (ppm)				<u> </u>
TSP/SPM Filte	r	•		40 CFR Part 50		ICP-AES			12 µg/filter				
	·		4	0 CFR Part 5	50	Graphite Furnace AA		ce AA	3 6 µg/filter		<u>-</u>	<u></u>	
Other:		(1 × ( 4×	1		<del></del>				/b)	./ 4\			
Name of Samp	oler:	(D)(4) Locati			Signa	ture of S	ampiei ne/Are		(D)	Date/T	ime S	amn	led
Sample #								<u>а</u>	Date/Time Sampled				100
	HSIDE Decor				1	96				8-15-15	63	0	
]	outside Deco					96	10 C	2/ 0			63		
1	Below Dec		VEL 12					60			64		
51098	(h)(A)				_	<u>50</u>			₩.	64			
310 39 BINST HELPEY			<u></u>	<u>8</u>	50	l # of Sa	mples						
Client Sample		_				5-15	11010		impies	1	•		•••
Relinquished (Client):  Date:  Date:						Fime: /600			<u> </u>				
Received (Lab): Comments:	:			Date:	<u> </u>   <u> </u>   <u> </u>	light		Time:		08	, ,		
Jonino (16)													

Page 1 of 2_ pages

OrderID:	

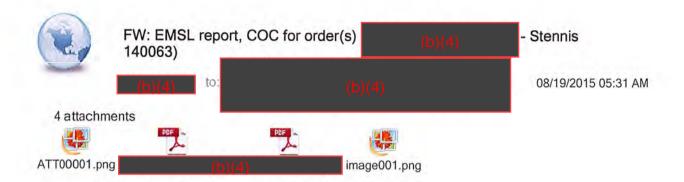
# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only).

LINOL C	NUEK ID (Lab o	se Only).	
	(b)(4)		PHONE: Fax:

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
51100	Below the Containment Level 10	920	8-15-17 645
51101	(b)(4) Spor Abatement Ground Level	180	
51102	Ground LEVEL South Side 3-2 TEST STAND East of Main Entrance	180	
<u> </u>	BLANK		
SCGw332	WS:06 Decon Level 13	12 x 1 2 "	8-15-15
3CGW 333	outside Decon Level 13	12"× 12"	8-15-15
· · · · · · · · · · · · · · · · · · ·			
<del></del>		-	
Commentsi	Special Instructions:		
!			

p₄ge	2	_ of _	2	_ pages
<b>729</b> 2				



Attached please find the test results for samples collected on August 17, 2015. All the air samples are below detection limit. All the wipe samples are well within acceptable levels.

President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone
Cell:
[b)(4)
Email:

www.OHCNET.com<ahttp://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com] Sent: Tuesday, August 18, 2015 2:06 PM

To: (b)(4)

Subject: EMSL report, COC for order(s) - Stennis 140063)

Report, COC for order(s):

(b)(4) - Stennis 140063

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Click here to fill out our Customer Survey<http://www2.emsl.com/custsurvey/?fromregion=eastcoast>

Analyst /LaboratoryTechnical Director

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804 Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170

Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical, Inc. offers to our clients:

```
LABConnect <a href="https://extranet.emsl.com/">LABConnect <a href="http://www.emsl.com/ProductCatalogHome.aspx">Lolient Corner</a> <a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training</a> <a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=477</a> | Additional Resources</a> <a href="http://www.emsl.com/index.cfm?nav=Pages&ID=421">http://www.emsl.com/index.cfm?nav=Pages&ID=421</a> | Sampling Videos</a> <a href="http://www.emsl.tv">http://www.emsl.tv</a>
```

______

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5125 Adanson Street, Suite 900, Orlando, FL 32804 (407) 599-5887 / (407) 599-9063 Phone/Fax

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis 140063

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

08/18/15 8:40 AM

Collected:

8/17/2015

**Test Report** 

Client Sample Description

Lab ID 341508161-0001 Collected: 8/17/2015

Test

Method Parameter

S1104

Analyzed

Volume

Concentration

Pb-FLAA

Test

Pb-FLAA

7082

Lead

Inside Decon Level 13

8/18/2015

840 L

<4.8 µg/m³

Client Sample Description

S1105 Outside Decon Level 13 Lab ID 341508161-0002 Collected:

8/17/2015

Method

Parameter Analyzed 8/18/2015 Lead

Volume 840 L Concentration

<4.8 µg/m³

Client Sample Description

S1106

7082

Lab ID 341508161-0003 Collected:

8/17/2015

Below Decon Level 12

Method Test Pb-FLAA 7082

Parameter

I ead

Analyzed 8/18/2015

Volume 840 L

Concentration <4.8 µg/m³

Concentration

<4.0 µg/filter

Client Sample Description \$1107

Blank

Lab ID 341508161-0004 Collected:

8/17/2015

Test Pb-FLAA

Pb-FLAA

Test

Pb-FLAA

Method 7082

7082

7000B

Parameter Lead

Analyzed 8/18/2015

Volume 0 L

Client Sample Description

S1108

Lab ID 341508161-0005 Collected:

8/17/2015

Test Method

Repairing Containment Parameter

Lead

Inside the Decon

Analyzed 8/18/2015 Volume

810 L

Concentration <4.9 µg/m³

Client Sample Description

SCGW334

Lab ID 341508161-0006 Collected:

8/17/2015

Method

Parameter Lead

Analyzed

8/18/2015

Area Sampled 144 in²

Concentration <10 µg/ft2

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 08/18/2015 14:04:37



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156 (813) 623-6702

Received:

08/18/15 8:40 AM

Collected:

Fax:

8/17/2015

# **Test Report**

Client Sample Description

Project: Stennis 140063

SCGW335

Lab ID 341508161-0007 Collected:

8/17/2015

Outside the Decon

Method

Parameter

Analyzed

Area Sampled

Concentration

26 μg/ft²

Pb-FLAA

Test

7000B

Lead

8/18/2015

144 in²

Laboratory Manager otner approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/t/2 x area sampled in ft/2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft* which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 08/18/2015 14:04:37

EMBL ANALYTICAL, INC.

EMSL Analytical, Inc. 11931 Industriplex Boulevard,

# Lead (Pb) Chain of Custody



Baton Rouge, LA 70809 PHONE: (225) 755-1920 FAX: (225) 755-1989

										1700 (225) 7	
Company : OH	C Environmental	Engine	ering, lı	nc.		EI H Bill	<b>ASL-Bill</b> to is Differ	to: I ent note instr	Differ uctions in	ent Same	<u> </u>
Street: 5420 Ba	ay Center Drive	Suite 10	0	1	7.	hird Party B	illing requ	ires written	authoriz	ation from third	party
City: Tampa		State/P		: FL		al Code:				ountry: United	
Report To (Nan	ne): Accounts Pa	yable			Telepho	ne #: 813	-626-81	56			
	: ohcaccountant	_	et.com		Fax #:	813-623-	6702		Pu	rchase Order	:
Project Name/N	lumber: Stennis	140063			Please F	Provide Re	sults:	FAX		E-mail	Mail
	ples Taken: MI				CT Sam	ples: 🔲 C	ommerc	ial/Taxab	le 🔲 F	Residential/Ta	x Exempt
<u> </u>		Tu	rnarou	nd Time (TA							
3 Hour	☐ 6 Hour	<b>2</b> 24	Hour	48 Hour	-	2 Hour	□ 9€	Hour		Week [	2 Week
	*Analysis	complete	d in acco	rdance with EMS	L's Terms a				ce Guide		
	Matrix			Method		ln ln	strume	nt	Repo	orting Limit	Check
Chips 🗆 % by	wt. 🔲 mg/cm² [	] ppm		SW846-7000	В	Flame /	Atomic Ab	sorption		0.01%	
Air		'		NIOSH 7082	!	Flame /	Atomic Ab	sorption		μg/filter	
		,		NIOSH 7105			nite Furna			3 µg/filter	<del>┨╌╘╡</del> ┈┨
	·	<del></del>	1	NOSH 7300 mod	diffed		-AES/ICP			5 µg/filter	╂┈╧┽╼┤
Wipe*	ASTM			SW846-7000	B	Flame /	Atomic Ab			μg/wipe	<del>┡┈╠</del> ┤
*if no box is	non ASTM checked, non-ASTM	Ц		SW846-6010B	or C	<u> </u>	ICP-AES			) µg/wipe	<del>┞┈╞</del> ╬┈┦
	Wipe is assumed			SW846-7000B/7			nite Furna			'5 µg/wipe	<del>┃</del>
TCLP				46-1311/7000B/S		Flame /	Atomic Ab		_	ng/L (ppm)	<del>┞┈╞╡</del> ╶┧
<del></del>			SW84	6-1131/SW846-6		Flore	ICP-AES			ng/L (ppm) ig/kg (ppm)	<del>╄┈╞╪╌</del> ┥
Soil				SW846-7000 SW846-7010			hite Furna			ng/kg (ppm)	┪═╤
			<b>-</b>	SW846-6010B		†	ICP-AES			g/kg (ppm)	
100			SI	M3111B/SW846	-7000B	Flame	Atomic Ab	sorption		ng/L (ppm)	
Wastewater	Unpreserved th HNO ₃ pH < 2			EPA 200.9		Grap	hite Furna			mg/L (ppm)	
			<u> </u>	EPA 200.7	<del>-</del> -		ICP-AES			mg/L (ppm)	<del>╇</del>
	ter Unpreserved		<u> </u>	EPA 200.9		Grap	hite Fuma	ice AA		3 mg/L (ppm)	╂┈╞╡╼┤
Preserved wi	ith HNO ₃ pH < 2		<del> </del>	EPA 200.8			ICP-MS			1 mg/L (ppm) 2 µg/filter	<del></del>
TSP/SPM Filt	ter		<u> </u>	40 CFR Part		Gran	hite Furna			6 µg/filter	╂═╬═
Other:						<del>                                     </del>			<del>                                     </del>	<u></u>	1
Name of San	nnlor: (t		_		Sign	ature of	Sample	er:	/\	>\/ <b>/</b> 1\	
Sample #	ithiet.	Locat	on		1 0.9.		ime/Are		<u>(r</u>	Date/Time	sampled
Siloy	404.1 0	LEVAL	13			<u> </u>	340			8-17-15	\7.4°
	INSIZE DECON				1	•	340				3715
	outside Decon				1		-				
51106	Below Decon	iev.	17 12	<u> </u>	1		340			<u> </u>	710
S1107	BLANK				┦		<u></u>				
51108	(b)(4	<u> </u>	Re	Dowing Conta	through		<u>810</u>	-1 # -£ C			7780
Client Samp	le #'s						1 101	al # of S		3: · <del>7</del>	
Relinquishe	d (Client):			Date:	8	17-15		Time:			
Received (Lai	b):			Date:	<u> </u>	HBILL	<u></u>	Time:		08:45	>
Comments: Jim Rizk at jrizk@ohc	net com and mfohn									;	
										•	

Page 1 of 2 pages

# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

(b)(4)	HONE Fax

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
	lasier the Decon	12'x 12"	8-17-15
	outside the Decon	12'x 12"	8-17-15
·			
· · · · · · · · · · · · · · · · · · ·			
Comments/Sp	pecial Instructions:		

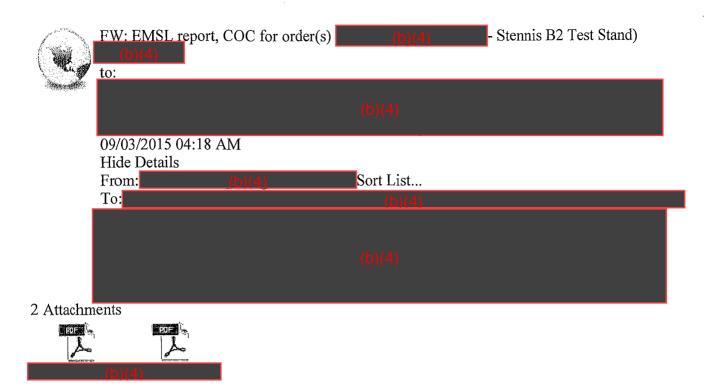
Page 2 of 2 pages

	National Aeronautics and						DATE	Sept	ember 3, 2015
NASA	Space Administration CONTI	RACTO	R TRAN	SMITTA	LSHFE	Т		SHEET	
	John C. Stennis Space Center								_
	Stennis Space Center, MS 39529-6000						1	OF	<u>1</u> .
	SECTION I - REQUEST F	OR APPR	OVAL (To	be Initiat	ed by th	e Contractor	<u>')                                    </u>		
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA	, MATERIAL	SAMPLES,	OR	CON.	TRACT NO.	Х	NEW SUBM	IITTAL
	MANUFACTURER'S CERTIFICATES OF CO	MPLIANCE			NNS	14AA30T		7	
	(See Instructions on Reverse)			<u> </u>			0	RESUBMITT	
TO	FROM			PREVIOUS T		AL NO. (If Any)	TI	RANSMITTA	L NO.
(b)	(4) HARRY PEPPER & AS				N/A			450	
SPECIFICAT	ION AND SECTION NO. (Cover Only One Section With Each		PROJECT T	ITLE AND LO					
200H0-GA	04 02 82 33.13 20 Air & Wipe Samples Col	lected			SL430WF	B00-03 SOFT CC			T
	DESCRIPTION OF ITEM SUBMITTED					CONTRACT REF		VARIATION	
ITEM	(Type, Size, Model Number, etc.)	1	JFACTURER		NO OF	DOCUM		(See	CODE
NO.	(See Instruction No. 3)	(See	Instruction	No. 8)	COPIES	SPECIFICATION PARAGRAPH NO.	DRAWING SHEET NO.	No. 6)	(See Instruction No. 9 (h)
(a)	(b)		(c)		(d)	(e)	(f)	(g)	,
1	COLLECTED 8-31-15	онс			3	3.4.1.1C	_	-	
2	COLLECTED 8-29-15	онс			3	3.4.1.1C	-	-	-
3	COLLECTED 8-26-15	ОНС			3	3.4.1.1C	-	-	
4	COLLECTED 8-25-15	онс			3	3.4.1.1C	-	-	-
5	COLLECTED 8-20-15	онс			3	3.4.1.1C	-	-	-
6	COLLECTED 8-18-15	ОНС			3	3.4.1.1C	-	-	
<u>-</u>	-		-		-	, <u>-</u>	-	-	-
-	-			-	-	-	-	-	
-	-				-	-	-	-	-
- DEN 4 A DI/C.	-			-	-	t the above submiti	-		
REMARKS:	3 Hard Copies included.					re correct and in st			
					drawings &	specifications, exce	ot as stated.		
						NAME AND SI	GNATURE C	F CONTRACTO	OR

**SECTION II - APPROVAL ACTION** 

NAME, TITLE, AND SIGNATURE OF APPROVING AUTHORITY DATE

ENCLOSURES RETURNED (List by Item No.)



Attached please find the test results for samples collected on August 31, 2015. All the samples are well within acceptable levels.

MS, CIH

President



OHC Environmental Engineering Inc.

5420 Bay Center Drive Tampa, Florida 33609 Phone: 813.626.8156 Cell:

Email:

www.OHCNET.com

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Wednesday, September 02, 2015 6:15 PM

Stennis B2 Test Stand) Subject: EMSL report, COC for order(s)

Report, COC for order(s):

- Stennis B2 Test Stand

Please tell us how we are doing.



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax: (407) 599-5887 / (407) 599-9063

EMSL Order: CustomerID:

OCCU56

http://www.EMSL.com orlandolab@emsl.com

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B2 Test Stand

Received:

Phone:

Fax:

(813) 623-6702 09/02/15 9:00 AM

(813) 626-8156

Collected:

8/31/2015

**Test Report** 

Client Sample Description S1196

Lab ID 341508838-0001 Collected: 8/31/2015

ADS) Blasting Helper 11th

Test Method Parameter Analyzed Volume Pb-FLAA Lead 9/2/2015 1100 L 7082

Concentration 310 µg/m³

Concentration

Concentration

<3.5 µg/m³

Client Sample Description

S1197

Lab ID 341508838-0002 Collected:

300 L

1146 L

8/31/2015

ADS) Spot Abatement L

Method Parameter Test Analyzed Volume Pb-FLAA Lead 9/2/2015 7082

<13 µg/m³

Client Sample Description S1198

Inside 13th FI Decon

Lead

Lead

Lab ID 341508838-0003 Collected:

8/31/2015

Method Parameter Test Analyzed Volume

Pb-FLAA 7082

Client Sample Description

Lab ID 341508838-0004 Collected: 8/31/2015

Outside 13th Fl Decon

Method Parameter Test

7082

S1199

Analyzed Volume 9/2/2015 1140 L

Concentration <3.5 µg/m³

Client Sample Description

Pb-FLAA

Pb-FLAA

S1200

Lab ID 341508838-0005 Collected:

Below 13th FI Decon Test Method Parameter

I ead 7082

Analyzed 9/2/2015

9/2/2015

Volume 1140 L

<3.5 µg/m³

S1201 Client Sample Description

Lab ID 341508838-0006 Collected:

8/31/2015

8/31/2015

11th Fl South West Corner Soft Core

Method Parameter Analyzed Volume Test 9/2/2015 1140 L Pb-FLAA 7082 Lead

Concentration <3.5 µg/m³

Concentration

Laboratory Manager

or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m². OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 09/02/2015 18:13:16



5125 Adanson Street, Suite 900, Orlando, FL 32804 (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B2 Test Stand

Phone: Fax:

(813) 626-8156

(813) 623-6702

Received:

09/02/15 9:00 AM

Collected:

8/31/2015

**Test Report** 

Client Sample Description

S1202

Lab ID 341508838-0007 Collected:

8/31/2015

Area Sample Level 6 1/2

Method Pb-FLAA 7082

Parameter Lead

Analyzed 9/2/2015 Volume 300 L

Concentration <13 µg/m³

Client Sample Description

Test

S1203 Blank Lab ID 341508838-0008 Collected:

8/31/2015

Concentration

Method Test Pb-FLAA 7082

Parameter Lead

Analyzed 9/2/2015 Volume 0 L

<4.0 µg/filter

Client Sample Description

SCGW355 Inside The 13th FI Decon Lab ID 341508838-0009 Collected:

8/31/2015

Test Pb-FLAA Method 7000B

Parameter Lead

Analyzed 9/2/2015 Area Sampled 144 in²

Concentration

85 µg/ft2

Client Sample Description

SCGW356

Lab ID 341508838-0010 Collected:

8/31/2015

Outside The 13th FI Decon

Test Pb-FLAA Method 7000B

Parameter Lead

Analyzed 9/2/2015

Area Sampled

144 in²

Concentration

47 µg/ft2

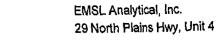
Cassette sample number S1196 was sampled backward and forward in the field so particulate matter collected on the filter pad and on the filter. Filter w analyzed.

Laboratory Manager

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "e" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 09/02/2015 18:13:16





# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Wallingford, CT 06492 PHONE: (203) 284-5948 FAX (203) 284-5978

									(200) 20	
Company : OHC Environmental Engineering, Inc.				c.	EMSL-Bill to: Different / Same If Bill to is Different note instructions in Comments**					
Street: 5420 Bay Center Drive Suite 100			Third Party Billing requires written authorization from third party							
City: Tampa		State/P	rovince:	FL	Zip/Posta	l Code: 33609		Co	ountry: United	States
Report To (Nam	(b)(4)				Telephor	e#: 813-626-8	156			
Email Address:		(b)(4	.)		Fax#:	313-623-6702			rchase Order:	
Project Name/N	umber: Stennis I	32 Test	Stand		Please P	rovide Results:	FA	✓	E-mail	Mail
U.S. State Samp						les: 🗌 Commer		ole 🗌 R	Residentlal/Tax	Exempt
	Turnaround Time (TAT) Options* - Please Check									
☐ 3 Hour	☐ 6 Hour	<b>24</b>		48 Hour			6 Hour	_		2 Week
		complete	d in accord		L's Terms a	nd Conditions locat		ce Guide	orting Limit	Check
	Matrix			Method		Instrum				CHECK
Chips   % by	wt. mg/cm² [	] ppm		SW846-7000E	<u> </u>	Flame Atomic A	bsorption		0.01%	
Air 24 HR.				NIOSH 7082	·	Flame Atomic A			μg/filter	X
				NIO\$H 7105		Graphite Furn			3 μg/filter	┝╼┾┽╌┤
			NI	IOSH 7300 mod		ICP-AES/IC		_	μg/filter	
Wipe*	ASTM non ASTM	X	}	SW846-7000E		Flame Atomic A			µg/wipe	봄1
"if no box is c	hecked, non-ASTM		<b> </b>	SW846-6010B o		ICP-AE Graphite Furn			) µg/wipe 75 µg/wipe	
701 B	Wipe Is assumed			6-1311/7000B/S		Flame Atomic A			ng/L (ppm)	
TCLP				-1131/SW846-6		ICP-AE			ng/L (ppm)	
Soil				SW846-7000E					ng/kg (ppm)	
				SW846-7010		Graphite Furn	ace AA		ng/kg (ppm)	
				SW846-6010B o			2 mg/kg (ppm)		┟┷╬┷┥	
Wastewater	Unpreserved		SM	13111B/SW846-1				mg/L (ppm)	┟╼╞╡╼┤	
	h HNO₃pH < 2		EPA 200.9 EPA 200 7		ICP-AES			mg/L (ppm) mg/L (ppm)	┟╼╪┽╌┨	
Drinking Water	or Unpreserved		<del>                                     </del>	EPA 200.9		Graphite Furnace AA			3 mg/L (ppm)	
	h HNO ₃ pH < 2	Ħ		EPA 200.8		ICP-MS			1 mg/L (ppm)	
TSP/SPM Filte				40 CFR Part 5					2 µg/filter	
<u></u>	7) 		<u> </u>	40 CFR Part 5	0	Graphite Furnace AA		3.6 µg/filter		
Other:			<u> </u>		<del></del>	J			(1.) (1.)	<u> </u>
Name of Sam	pler (b)(4)				Sign	ature of Sampl			<u>b)(4)</u>	
Sample #		Locat		<del></del> _		Volume/A	rea /		Date/Time	
S1196	(b)(4) ADS)Blasting Helper 11th FIS Containment(Hood)									
S1197	DS)Spot Abatement level 6 1/2 (1/2 Face)			300L 8/31/15 9:02am			m 11:32pm			
S1198	Insid	Inside 13th FI Decon			1146L				8/31/15 9:02	am 6:35pm
S1199	Outsid	Outside 13th FI Decon			1140L			8/31/15 9:05	am 6:35pm	
S1200	Belov	w 13th	13th Fl Decon			1140L			8/31/15 9:06	am 6:36pm
Cilent Sampi	e#'s  S119 6	-512	03 5	SC6W 355	35	6 To	tal # of S	amples	5: 10	
Relinguished				Date:	8/31		Time:	,	5:30pm	
Received (Lab				Date:	9	1215	Time:		grova	~
Comments:	4				7	711				
•				l						

Page 1 of 2 pages





# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc.	
29 North Plains Hwy, Unit 4	ļ

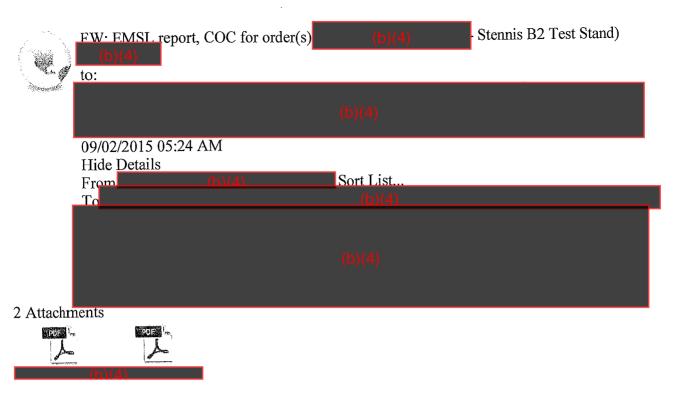
(b)(4)

Wallingford, CT 06492 PHONE. (203) 284-5948 FAX: (203) 284-5978

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample#	Location	Volume/Area	Date/Time Sampled
S1201	11th Fl South West Corner Soft Core	1140L	8/31/15 9:08am 6:38pm
S1202	Area sample Level 6 1/2	300L	8/31/15 9:02am 11:32pm
S1203	Blank	OL	8/31/15
SCGW355	Inside the 13th FI Decon	12X12	8/31/15
SCGW356	Outside the 13th FI Decon	12X12	8/31/15
1			

Page 2 of 2 pages



Attached please find the test results for samples collected on August 29, 2015. All the personal, area and wipe samples are well within acceptable levels.



This electronic mail transmission may contain confidential or privileged information. The information is intended only to be for the use of the individual(s) or entity(ies) named above. If you believe that you received this message in error, please be aware that any disclosure, copying, distribution or use of the contents of this information is strictly prohibited. If you have received this message in error, please notify the sender immediately by reply transmission and delete this message.

From: EMSL (Orlando) [mailto:orlandolab@emsl.com] Sent: Tuesday, September 01, 2015 6:21 PM

- Stennis B2 Test Stand) Subject: EMSL report, COC for order(s)

Report, COC for order(s):

5)(4) Stennis B2 Test Stand

Please tell us how we are doing.



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order:

ProjectID:

CustomerID:

OCCU56

CustomerPO:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156

Fax:

(813) 623-6702

Received:

09/01/15 8:50 AM

Collected:

8/29/2015

Stennis B2 Test Stand

**Test Report** 

Lab ID 341508777-0001 Collected:

8/29/2015

Client Sample Description

S1187

ADS) Blasting Helper 1

Method

Parameter

Analyzed Volume

Concentration

Pb-FLAA

Test

Test

Pb-FLAA

7082

7082

Lead

9/1/2015

1170 L

43 µg/m³

Client Sample Description

S1188

Lab ID 341508777-0002 Collected:

8/29/2015

Method

Parameter Lead

Analyzed 9/1/2015

(HPA) Torch Cutting SE Pie

Volume 830 L Concentration 8.5 µg/m³

S1189

Lab ID 341508777-0003 Collected:

8/29/2015

Client Sample Description

Inside 13th Fl Decon

Volume

Concentration

Pb-FLAA

Test

Method 7082

Parameter Lead

Analyzed 9/1/2015

1170 L

<3.4 µg/m³

S1190

Lab ID 341508777-0004 Collected:

Client Sample Description

Outside 13th FI Decon

Analyzed

Volume

Concentration

Test Pb-FLAA Method 7082

Parameter Lead

9/1/2015

1170 L

Client Sample Description

S1191 Below 13th FI Decon

8/29/2015

Concentration

<3.4 µg/m³

Test Pb-FLAA

Test

Pb-FLAA

Method 7082

Method

7082

Parameter Lead

Analyzed 9/1/2015

Volume 1170 L

Lab ID 341508777-0005 Collected:

<3.4 µg/m³

Client Sample Description

S1192

Lab ID 341508777-0006 Collected:

8/29/2015

11th FI South West Corner Soft Core

Parameter

Lead

Analyzed

9/1/2015

Volume 1190 L

<3.4 µg/m³

Concentration

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data as included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 09/01/2015 18:20:46

Test Report FLAARSLTS-7.32.3 Printed: 9/1/2015 6:20:46 PM

Page 1 of 2



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order:

ProjectID:

CustomerPO:

CustomerID:

OCCU56

Attn:

Tost

Pb-FLAA

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

7082

Phone:

(813) 626-8156

Fax:

(813) 623-6702

Received:

09/01/15 8:50 AM

Collected:

8/29/2015

Stennis B2 Test Stand

**Test Report** 

Client Sample Description \$1193

Lab ID 341508777-0007 Collected:

8/29/2015

Inside 11th FL East Ext Test Patch

Method Parameter

Analyzed

Volume

Concentration 17 μg/m³

Client Sample Description

S1194

Lab ID 341508777-0008 Collected:

900 L

8/29/2015

Inside B-2 Flame Bucket Test Patch

Method Test Pb-FLAA 7082

Parameter Lead

Lead

Analyzed 9/1/2015 Volume 1040 L

49 μg/m³

Concentration

Client Sample Description

S1195 Blank

9/1/2015

Lab ID 341508777-0009 Collected:

8/29/2015

Test Pb-FLAA Method 7082

Parameter Lead

Analyzed 9/1/2015 Volume 0 L

Concentration <4.0 µg/filter

Concentration

Client Sample Description

Lab ID 341508777-0010 Collected:

Inside The 13th FI Decon

Parameter Method 7000B Lead

SCGW353

Analyzed

Area Sampled 9/1/2015

144 in²

20 µg/ft²

Client Sample Description

SCGW354 Outside The 13th Fl Decon

Lab ID 341508777-0011 Collected:

8/29/2015

Concentration

Test Pb-FLAA

Test

Pb-FLAA

Method 7000B

Parameter Lead

Analyzed

9/1/2015

144 in²

Area Sampled

33 μg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/fl2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 09/01/2015 18:20:46

EMSL Analytical, Inc. 29 North Plains Hwy, Unit 4



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

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1	

Wallingford, CT 06492

EMBL ANALYTICAL		Π		(b)(4	4)					Ph	ONE. (20			
LASCHATORY-PRODUCTS-1		 								DJ 6 E ow	FAX. (20		4-09/	
Company: OHC Environmental Engineering, Inc.					EMSL-Bill to: Different V Same If Bill to is Different note instructions in Comments**									
Street: 5420 Bay Center Drive Suite 100					Third Party Billing requires written authorization from third party									
City: Tampa						Zip/Postal Code: 33609 Country: United States								
Report To (Name): (b)(4)					Telephone #: 813-626-8156									
Email Address:		(b)(4)				Fax #: 813-623-6702 Purchase Order:				]				
Project Name(Nu	mber: Stennis E	2 Test	Stand			Please Provide Results: FAX FE-mail Mail								
Project Name/Number: Stennis B2 Test Stand U.S. State Samples Taken: MS					CT Samples: Commercial/Taxable Residential/Tax Exempt									
Turnaround Time (TAT) Options* - Please Check														
☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week  *Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide														
		completed	in acco	dance wi	h EMSI	's Terms	and Co	inditions loc	ated in the F	rice Guide	rting Li	mit	Che	eck
البيحين والمستوال والمتراجع والمتراجع والمتراجع والمتراجع والمتراجع والمتراجع والمتراجع والمتراجع والمتراج	<i>l</i> latrix				hod		4-	Instrun			0.01%	-		
Chips 🗌 % by w	t. 🗌 mg/cm² 🗌	ppm		SW846	-7000B			ame Atomic						╬╌┩
Air 24 HR.					H 7082		Flame Atomic Absorption			4 μg/filter			<b>#</b>	
29 m.					H 7105		Graphite Furnace AA ICP-AES/ICP-MS			0 03 µg/filter 0.5 µg/filter			╡┪	
				NOSH 73										
Wipe*	ASTM non ASTM		SW846-7000B SW846-6010B or					Flame Atomic Absorption			10 μg/wipe 1.0 μg/wipe			آ آ
*if no box is ch	ecked, non-ASTM		<b> </b>	SW846-7				Graphite Furnace AA			0.075 µg/wipe			آ
	Wipe is assumed							Flame Atomic Absorption			0.4 mg/L (ppm)		<u>_</u>	<u></u>
TCLP				SW846-1311/7000B/SM SW846-1131/SW846-601				ICP-AES			0.1 mg/L (ppm)			
Soil	<u> </u>				6-7000E			ame Atomic	Absorption		ıg/kg (pr			]
3011			SW846-7010 -				Graphite Furnace AA			0.3 mg/kg (ppm) 2 mg/kg (ppm)			=	
				SW846-6	_	_		JCP-A						=
Wastewater	Unpreserved	П	SM3111B/SW846-7			7000B		Flame Atomic Absorption Graphite Furnace AA			0.4 mg/L (ppm) 0.003 mg/L (ppm)			<u>-</u>
Preserved with				EPA 200.9 EPA 200.7			ICP-AES		0.020 mg/L (ppm)					
Drinking Wate	r Unpreserved	П	-	EPA 200 9			_	Graphite Furnace AA			0.003 mg/L (ppm)			
Preserved with		<u> </u>		EPA 200.8			ICP-MS			0.001 mg/L (ppm)		┝╼╪	4	
TSP/SPM Filte			<u> </u>	40 CFR Part 50				ICP-AES		12 µg/filter 3.6 µg/filter			╂╌┾	_
	l 		40 CFR Part 50			50	Graphile Furnace AA		<del>-                                    </del>	3.0 µg/mtci				
Other:			1			T 01-		- of Com-	olovi	(h	)( <u>4</u> )			
Name of Samp	le (b)(4)		<u> </u>			1 2)0	natur	e of Sam		10	Date/	Time S	Samı	pled
Sample #	Location				Volume/Area /				8/29/15 8:05am 6:20pm					
S1187	(ADS)Blasting Helper 11th Fl S. Containment(Hood)								8/29/15 7:50am 2:45pm					
S1188	HPA)Torch Cutting SE Pier under Flame Bucket (Full Face)													
S1189	Inside 13th Fl Decon				1170L			8/29/15 8:10am 6:25pm						
S1190	Outside 13th Fl Decon				1170L			8/29/15 8:10am 6:25pm						
S1191	Below 13th FI Decon			1170L Total # of Sample			8/29/15 8:11am 6:26pm							
Cilent Sample	#'s <1107	- 511	05	SCGV	V 35		<u>cw</u>		otal # of	Sample	1			
Relinquished (Clie					ate:	8/2	9/15		Tim	e;	5:30p			
Received (Lab):					ate:	C	1/1/	115	Time	):	0:	TOK	<del></del>	
Comments:	·						7							
											_			





# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc.	
29 North Plains Hwy, Unit 4	4

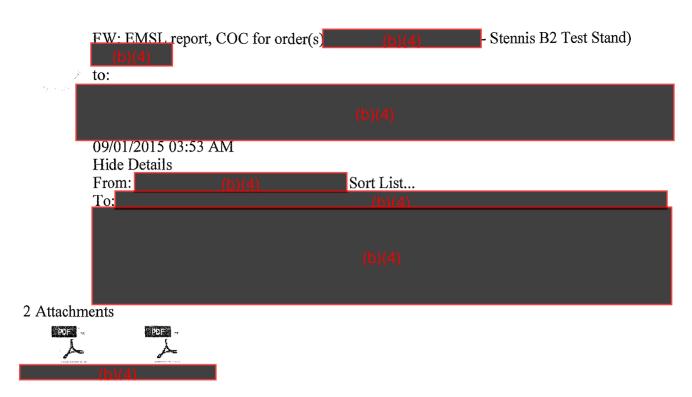
(b)(4)

Wallingford, CT 06492 PHONE: (203) 284-5948 FAX. (203) 284-5978

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S1192	11th FI South West Corner Soft Core	1190L	8/29/15 8:25am 6:30pm
S1193	Inside 11th FI East Exterior Test Patch	900L	8/29/15 8:25am 4:55pm
S1194	Inside B-2 Flame Bucket Test Patch	1040L	8/29/15 8·35am 5:15pm
S1195	Blank	OL	8/29/15
SCGW353	Inside the 13th FI Decon	12X12	8/29/15
SCGW354	Outside the 13th FI Decon	12X12	8/29/15
Comments/S	pecial Instructions:		

	2	2	
Page	<del></del>	of	pages



Attached please find the test results for samples collected on August 26, 2015. All the samples are well within acceptable limits.



This electronic mail transmission may contain confidential or privileged information. The information is intended only to be for the use of the individual(s) or entity(ies) named above. If you believe that you received this message in error, please be aware that any disclosure, copying, distribution or use of the contents of this information is strictly prohibited. If you have received this message in error, please notify the sender immediately by reply transmission and delete this message.

From: EMSL (Orlando) [mailto.orlandolab@emsl.com]

Sent: Monday, August 31, 2015 7:08 PM

To (b)(4)

Subject: EMSL report, COC for order(s) (b)(4)

Report, COC for order(s):

(b)(4)

Stennis B2 Test Stand

Please tell us how we are doing.



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

OHC Environmental Engineering, Inc.

seran keck france og o

EMSL Order: CustomerID:

CustomerPO:

ProjectID:

OCCU56

Attn:

Phone:

(813) 626-8156

Fax:

(813) 623-6702 08/31/15 9:05 AM

Received: Collected:

8/26/2015

Suite 100 Tampa, FL 33609

5420 Bay Center Drive

Stennis B2 Test Stand

**Test Report** 

Client Sample Description

Method

Lab ID 341508697-0001 Collected:

8/26/2015

ADS) Re-Blasting 13th/12

Test Pb-FLAA 7082 Parameter I ead

Analyzed 8/31/2015 Volume 990 L Concentration 95 µg/m³

Client Sample Description

S1162

Lab ID 341508697-0002 Collected:

8/26/2015

(Natal) Priming Paint 12th

Test Method Pb-FLAA 7082

Parameter Lead

Inside 13th FI Decon

Outside 13th FI Decon

Analyzed 8/31/2015 Volume 400 L Concentration <10 µg/m³

Client Sample Description

S1163

Lab ID 341508697-0003 Collected:

8/26/2015

Test Method Pb-FLAA

Lead 7082

Parameter Analyzed 8/31/2015 Volume 1280 L

Concentration <3.1 µg/m³

S1164

S1165

Lab ID 341508697-0004 Collected:

Method Test

Client Sample Description

Parameter I ead

Analyzed 8/31/2015

Volume 1280 L Concentration <3.1 µg/m³

Concentration

Client Sample Description

Pb-FLAA

Pb-FLAA

Test

Pb-FLAA

Below 13th FI Decon

Lab ID 341508697-0005 Collected:

8/26/2015

Test Method

7082 Lead

Method

7082

7082

Parameter

Analyzed 8/31/2015

Volume 1280 L

<3.1 µg/m³

Client Sample Description

S1166 Lab ID 341508697-0006 Collected: 8/26/2015

11th FI South West Corner Soft Core

Parameter Lead

Analyzed 8/31/2015 Volume 1290 L Concentration <3.1 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 08/31/2015 19:07:49



5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSiccom

EMSL Order:

ProjectID:

OCCU56

CustomerID: CustomerPO:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Phone:

(813) 626-8156

Fax:

(813) 623-6702

Received:

08/31/15 9:05 AM

Collected:

8/26/2015

Stennis B2 Test Stand

#### **Test Report**

Client Sample Description

S1167

Lab ID 341508697-0007 Collected:

8/26/2015

Outside 10th FI West Exterior

Method 7082

7082

Parameter Lead

Analyzed 8/31/2015 Volume 1290 L Concentration

<3.1 µg/m³

Client Sample Description

Test

Pb-FLAA

Pb-FLAA

S1168 Blank Lab ID 341508697-0008 Collected:

8/26/2015

Method Test

Parameter

Lead

Analyzed 8/31/2015 Volume 0 L Concentration <4.0 µg/filter

Client Sample Description

SCGW347

Lab ID 341508697-0009 Collected:

8/26/2015

Inside The 13th FI Decon

Method Test Pb-FLAA 7000B

Parameter I ead

Analyzed 8/31/2015

Analyzed

Area Sampled 144 in²

Concentration 73 µg/ft2

Client Sample Description

SCGW348

Lab ID 341508697-0010 Collected:

8/26/2015

Test Pb-FLAA

Test

Pb-FLAA

Method 7000B

Method

7000B

Outside The 13th Fl Decon Parameter Lead

8/31/2015

Area Sampled 144 in²

Concentration 68 µg/ft2

Client Sample Description LPC20

Lab ID 341508697-0011 Collected:

8/26/2015

White Paint Chips (River City) Fallen T

Test Method Pb-FLAA 7000B

Parameter Lead

Lead

Analyzed

8/31/2015

Concentration <0.010 % wt

Client Sample Description LPC20

Lab ID 341508697-0012 Collected:

8/26/2015

White Paint Chips (River City) Needle

Parameter

Analyzed

8/31/2015

Concentration <0.010 % wt

_aboratory Manager

or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 08/31/2015 19:07:49



EMSL Analytical, Inc. 29 North Plains Hwy, Unit 4

Lead (Pb) Chain of Custody
EMSL Order ID (Let Use Only):

Wallingford, CT 06492 PHONE: (203) 284-5948 FAX: (203) 284-5978

						*****					<u>_</u>	V4-3014	
Company: OHC Environmental E	ngine	ering, Ir	ic.			E! If Bill	ASL-Bill to is Differ	to: ent noté ins	Differ tructions m	ent 🗸	Same		
Street: 5420 Bay Center Drive Su	ite 100	)		7	Third Party Billing requires written authorization from third party								
		rovince:	FL	Zip/Postal Code: 33609 Country: United States									
Report To (Name): (b)(4)				Telep	shone	#: 813	-62 <del>6</del> -81	156					_
Email Address: (	b)(4)	)				13-623-			P	urchase	Order	:	
Project Name/Number: Stennis B2	Test	Stand		Pleas	se Pro	ovide Re	sults:	FAX	( V	]E-mai	1	Mail	
U.S. State Samples Taken: MS								ial/Taxal	ole 🔲 F	Residen	tial/Tax	Exemp	)t
	Tu	rnarou	nd Time (T.										
	24		☐ 48 Hot			Hour	_	3 Hour	. —	Week		2 Weel	
	mpletec	in accor	dance with EN		ms an				ice Guide				
Matrix			Method			<u>ln</u>	strume	nt		orting l	_imit	Chec	X
Chips  % by wt.  mg/cm²  p	ppm		SW846-700	08		Flame /	Atomic Ab	sorption	<u> </u>	0.01%			
Air 24 HR.			NIOSH 708	32		Flame /	Atomic Ab	sorption	4	µg/filte	r		
241113.	Ì	NIOSH 7105				Graphite Furnace AA				3 µg/fil			
		NIOSH 7300 modified				-	AES/ICP			5 μg/filt			
Wipe* ASTM		SW846-7000B			1	Flame Atomic Absorption			L	) µg/wip			
non ASTM [ *if no box is checked, non-ASTM	ן כ	<u> </u>	SW846-6010B	or C		ICP-AES			0 μg/wil		무무		
Wipe is assumed			SW846-7000B/7010			Graphite Furnace AA			75 µg/w				
TCLP			6-1311/7000B			Flame A	Atomic Ab			ng/L (p			
		SVV846	-1131/SW846		r C		ICP-AES			ng/L (p		┝┷┾╡	
Soil			SW846-700		}		Atomic Ab nite Furne			ng/kg (p ng/kg (p		┝╌┾╡	
			SW845-70* SW846-6010E			Grapi	ICP-AES			g/kg (p			
			13111B/SW846			Flame /	Atomic Ab			mg/L (p			一
Wastewater Unpreserved		EPA 200.9					nite Furna			mg/L (			
Preserved with HNO ₃ pH < 2		EPA 200.7			ICP-AES			) mg/L (	A 12 Contract of the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in which the local Division in the local Division in which the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in the local Division in t				
Drinking Water Unpreserved			EPA 200.		Graphite Furnace AA			3 mg/L (					
Preserved with HNO₃pH < 2			EPA 200.			ICP-MS			1 mg/L (	The second name of	┠╼┾╡		
TSP/SPM Filter			40 CFR Part			Gran	ICP-AES			2 µg/filt 6 µg/filt		┞╌┝╡	
Other:			40 CFR Fall	1 50		Grapi	inte i unic	100 771	<u> </u>	o pg/mi	CI .	┝╌┝┩	
		L		Te	l	ture of	Camala			(h)(4)		1 <u></u>	
Name of Sampler (b)(4)	ocati	00		1 3	ıyna	ture of	me/Are			Date	Time	Sample	ed
Sample # L S1161 (b)(4) ADS)Re-Biasti			antamment/Hone	<u></u>			990L	<u> </u>				m 2:40	
			tainment(1/2 Face	╂	<del>-</del> -		400L					3:10pn	
				<u>"</u>			<u> </u>					m 5:10	
	Inside 13th FI Decon				1280L 1280L						am 5:10		
	Outside 13th Fl Decon  Below 13th Fl Decon			-			280L					am 5:11	
			on C6W347	SCOUL	340			al#ofS	amples		0.010	ALI O. 1	
	- 3116	0 U S			126/		e/  IUL	Time:		5:30p	m		$\neg$
Relinquished (Client):			Date:		(201 (4)		<u>-</u>		·	920S			
Received (Lab): Comments:			Date:		U	/-'//-		Time:		11-03	<u>/                                    </u>		

Page 1 of ____ pages

OrderID: (b)(4)



## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 29 North Plains Hwy, Unit 4

(b)(4)

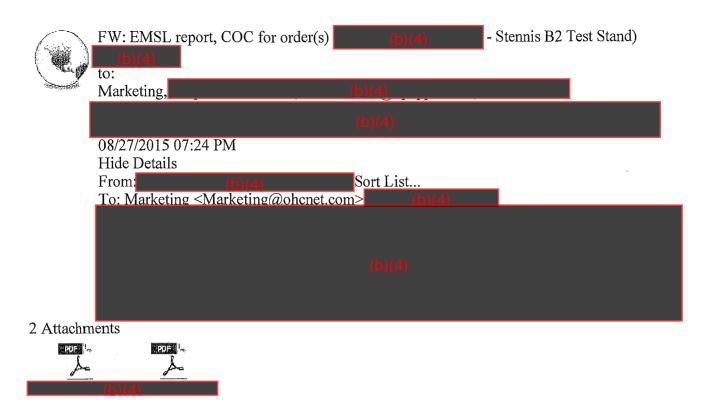
Wallingford, CT 06492 PHONE: (203) 284-5948 FAX: (203) 284-5978

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S1166	11th Fl South West Corner Soft Core	1290L	8/26/15 6:35am 5:20pm
S1167	Outside 10th Fl West Exterior	1290L	8/26/15 6:40am 5:25pm
S1168	Blank	OL	8/26/15
SCGW347	Inside the 13th Fl Decon		8/26/15
SCGW348	Outside the 13th FI Decon		8/26/15
LPC20	White Paint Chips (River City) Fallen to 11th Floor SE Comer Exterior		8/26/15
LPC21	White Paint Chips (River City) Needle Gun on Structural Steel Exterior		8/26/15
Comments/S ₁	pecial Instructions:		

Page 2 of 2 pages

ontitled Tago For



Attached please find the test results for samples collected on August 25, 2015. All the samples are within acceptable limits.



President



OHC Environmental Engineering Inc.

5420 Bay Center Drive Tampa, Florida 33609 Phone: 813.626.8156

Cell:

Ema (0)(4)

#### www.OHCNET.com

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Thursday, August 27, 2015 2:40 PM

To: (h)(4)

Subject: EMSL report, COC for order(s) 341508590 (341508590 - Stennis B2 Test Stand)

Report, COC for order(s):

(b)(4) - Stennis B2 Test Stand

Please tell us how we are doing.



# EMSL ANALYTICAL, INC.

# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only).

EMSL Analytical, Inc. 29 North Plains Hwy, Unit 4

Wallingford, CT 06492 PHONE: (203) 284-5948

LABORATORT (PREDOCT	3-11/-2-010			( / ( /						FAX (20	13) 28	4-59/8
Company: OHO	C Environmental	Engine	ering, l	Inc.	EMSL-Bill to: Different / Same If Bill to is Different note instructions in Comments**							
Street: 5420 Ba	y Center Drive S	Suite 10	0		T/	hird Party B	lillina reauii	res written	author	ization from	third pa	arty
City: Tampa		State/P		e: FL	Zip/Postal Code: 33609 Country: United States							
Report To (Nam	ne): (b)(4)				Telepho	ne #: 813	3-626-81	56				
Email Address:					Fax #:	813-623-	6702		F	ourchase C	rder:	
Project Name/N	lumber: Stennis I	B2 Test	Stand		Please F	Provide Re	esults:	FAX		E-mail		Mail
	ples Taken: MS				CT Sami	oles: ☐ C	ommerci	ai/Taxab	le 🔲	Residentia	al/Tax	Exempt
		Tu	rnaroi	und Time (TA								
3 Hour	☐ 6 Hour	<b>2</b> 4		☐ 48 Hour				1 Week		2 Week		
		complete	d in acco	ordance with EMS	L's Terms a							
	Matrix			Method		In	strumer	ıt	Rep	orting Li	mit	Check
Chips ☐ % by	wt.  mg/cm² [	] ppm		SW846-7000E	3	Flame /	Atomic Abs	orption		0.01%		
Air 24 HR.				NIOSH 7082			Atomic Abs			4 µg/filter		
				NIOSH 7105 NIOSH 7300 mod			hite Furnac -AES/ICP-			.03 µg/filte ).5 µg/filte		
						+	Atomic Abs					
Wipe*	ASTM non ASTM		ļ	SW846-7000I		riante /		ограоп		10 µg/wipe 9qiwipu 0.		
"if no box is	non ASTM [] o box is checked, non-ASTM Wipe is assumed		SW846-6010B or C SW846-7000B/7010			ICP-AES Graphite Furnace AA			.о <u>ру</u> лире 075 µg/wip			
TCLP	SW846-1311/7000B/S		SM 31118		Flame Atomic Absorption		0.4 mg/L (ppm)					
102.		SW846-1131/SW846-6				ICP-AES		0.1 mg/L (ppm)				
Soil	oil ·			SW846-7000B		Flame	Atomic Abs	orption		mg/kg (pp		
			SW846-7010		Grap	hite Furnac	e AA		mg/kg (pr			
			SW846-6010B or C				ICP-AES		_	ng/kg (ppi		
Wastewater	Unpreserved		SM3111B/SW846-700 EPA 200 9		-7000B		Atomic Abs			mg/L (pp )3 mg/L (p		
Preserved wit	th HNO ₃ pH < 2		EPA 200 9			Ciap	ICP-AES		0.020 mg/L (ppm)			
Drinking Wat	er Unpreserved		<u> </u>	EPA 200 9		Graphite Furnace AA		0 003 mg/L (ppm)				
	th HNO₃pH < 2	<u> </u>		EPA 200.8		ICP-MS		0 001 mg/L (ppm)		_		
TSP/SPM Filt	er			40 CFR Part		Gran	ICP-AES	- ΔΔ		12 µg/filter 3.6 µg/filte		<del></del>
Other:			┼──	40 01 17 1 211	JO	Спар	THE TOTAL	2731	·	o.o µg/mto		
	(b)(4)		<u> </u>		Sign	ature of	Sample	 r:				
Name of Sam Sample #	(hiel (n)(+)	Locati	on		i Sign		ume/Are			(D)(4)		
S1152	ADS)Bla			taınment(FullFace)			990L			_		m 4.00pm
S1153	(b)(4) ADS)Spo	ot Abatemen	t of Inbed	s on E Pier(1/2Face)			406L			8/25/15	10:47	am 2:10pm
S1154			~		<u> </u>		980L			8/25/15	7:50a	am 4:00pm
S1155	Inside 13th Fl Decon Outside 13th Fl Decon					980L			8/25/15	7:50a	am 4:00pm	
S1156				<u></u>		980L					am 4:01pm	
				SCEW3	<u> </u>	C6W39		I# of S	ample			
Client Sampl		<u>- SI</u>	160		8/2 <b>5</b>		100	Time:		5:30pr	n	
Relinquished				Date:		27.5		Time:		1:55		
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1												;

Page 1 of 2 pages



### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 29 North Plains Hwy, Unit 4

Wallingford, CT 06492 PHONE (203) 284-5948 FAX (203) 284-5978

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S1157	11th Fl South West Corner Soft Core	984L	8/25/15 7:53am 4:05pm
S1158	Outside 10th FI West Exterior	890L	8/25/15 7:55am 3:20pm
S1159	Area sample Spot Abatement of Inbeds on E Pier	406L	8/25/15 10·47am 2.10pm
S1160	Blank	OL	8/25/15
SCGW345	Inside the 13th FI Decon		8/25/15
SCGW346	Outside the 13th Fl Decon		8/25/15
Comments/S	pecial Instructions:		

Page 2 of 2 pages



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID: CustomerPO:

OCCU56

ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B2 Test Stand

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702 08/27/15 8:50 AM

Collected:

8/25/2015

**Test Report** 

Client Sample Description

S1152

Lab ID 341508590-0001 Collected:

8/25/2015

(ADS) Blasting 12th FI S.

Test Pb-FLAA

Test

Test

Pb-FLAA

Pb-FLAA

Method 7082

7082

7082

Parameter Lead

Analyzed 8/27/2015 Volume 990 L Concentration 310 µg/m³

Client Sample Description

S1153

Lab ID 341508590-0002 Collected:

8/25/2015

ADS) Spot Abatement O

Method Parameter

Analyzed 8/27/2015 Volume 406 L Concentration <9.9 µg/m³

Client Sample Description

Lab ID 341508590-0003 Collected:

8/25/2015

Inside 13th FI Decon

Lead

Method

Parameter Lead

Analyzed 8/27/2015

Volume 980 L Concentration

<4.1 µg/m³

Client Sample Description S1155

Outside 13th FI Decon

Lab ID 341508590-0004 Collected:

8/25/2015

Test Pb-FLAA

Test

Pb-FLAA

Method 7082

Parameter Lead

Analyzed 8/27/2015

Volume 980 L Concentration 5 4 1

<4.1 µg/m³

Client Sample Description S1156 Lab ID 341508590-0005 Collected:

8/25/2015

Method 7082

Below 13th FI Decon Parameter Lead

Analyzed 8/27/2015 Volume 980 L

Concentration <4.1 µg/m³

Client Sample Description

Lab ID 341508590-0006 Collected:

8/25/2015

S1157

11th FI South West Corner Soft Core Method Test

Pb-FLAA 7082 Parameter Lead

Analyzed 8/27/2015 Volume 984 L Concentration <4.1 µg/m³

aboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 08/27/2015 14:39:39



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID: CustomerPO:

OCCU56

ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702 08/27/15 8:50 AM

Collected:

8/25/2015

Stennis B2 Test Stand

**Test Report** 

Client Sample Description S1158

Lab ID 341508590-0007 Collected:

8/25/2015

Outside 10th FI West Exterior

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 8/27/2015 Volume 890 L

Concentration <4.5 µg/m³

Client Sample Description

S1159

Lab ID 341508590-0008 Collected:

8/25/2015

Area Sample Spot Abatement Of Inbed

Test Method Pb-FLAA 7082

Parameter Lead

Analyzed 8/27/2015 Volume 406 L

Lab ID 341508590-0009 Collected:

Concentration <9.9 µg/m3

Client Sample Description

S1160

SCGW345

SCGW346

8/25/2015

Concentration

Pb-FLAA

Test

Test

Test

Pb-FLAA

Method 7082

Parameter Lead

Analyzed 8/27/2015 Volume 0 L

<4.0 µg/filter

Client Sample Description

Inside The 13th FI Decon

Lab ID 341508590-0010 Collected:

Concentration 22 μg/ft²

Pb-FLAA

7000B

Method

Method

7000B

Parameter Lead

Analyzed 8/27/2015 Area Sampled 144 in²

8/25/2015

Client Sample Description

Outside The 13th FI Deconi

Lead

Parameter

Analyzed 8/27/2015 Area Sampled 144 in²

Lab ID 341508590-0011 Collected:

Concentration 91 μg/ft²

aboratory Manager

or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/fl/2 x area sampled in fl/2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as wolume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/fl² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 08/27/2015 14:39:39

Attached please find the test results for samples collected on August 20, 2015. All the air samples are below detection limit. All the wipe samples are well within acceptable levels.

MS, CIH President [cid:image001.png@01CD10DB.A9302780] OHC Environmental Engineering Inc. 5420 Bay Center Drive Tampa, Florida 33609 Phone: 813.626.8156 Cell: (A)(A)

Email: www.OHCNET.com<ahttp://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Monday, August 24, 2015 2:54 PM

Subject: EMSL report, COC for order(s) - Stennis B1 B2

Test Stand)

Report, COC for order(s): - Stennis B1 B2 Test Stand

Please tell us how we are doing.

Click here to fill out our Customer Survey< http://www2.emsl.com/custsurvey/?fromregion=eastcoast>

<http://www.emsl.com/>[cid:59c4218b-e05e-4e10-8116-77481f684fef] (b)(4)http://www.emsl.com/><http://www.emsl.com/> | Lead Supervisor EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804 Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical, Inc. offers to our clients: http://www.emsl.com/ProductCatalogHome.aspx> | Client Corner< http://www.emsl.com/index.cfm?nav=Pages&ID=420> | Training< http://www.emsl.com/index.cfm?nav=Pages&ID=477> | Additional Resources< http://www.emsl.com/index.cfm?nav=Pages&ID=421> | Sampling Videos< http://www.emsl.tv>

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5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attr

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Received: Collected:

Phone:

Fax:

(813) 626-8156 (813) 623-6702 08/24/15 10:15 AM

8/20/2015

Project: Stennis B1 B2 Test Stand

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S1125 341508419-0001	8/20/2015 8/24/2015 Site: (b)(4) (ADS	980 L ) Clean Up 13th Fl	4.1 μg/m³	<4.1 μg/m³
S1126 341508419-0002	8/20/2015 8/24/2015 Site: (h)(4) ADS	980 L ) Clean Up 13th Fl	4.1 µg/m³	<4.1 µg/m³
S1127 341508419-0003	8/20/2015 8/24/2015 Site: Inside 13th FI Deco	1016 L on	3.9 µg/m³	<3.9 µg/m³
S1128 341508419-0004	8/20/2015 8/24/2015 Site: Outside 13th FI Dec	1016 L con	3.9 µg/m³	<3.9 µg/m³
S1129 341508419-0005	8/20/2015 8/24/2015 Site: Below 13th FI Deco	1014 L on	3.9 µg/m³	<3.9 µg/m³
S1130 341508419-0006	8/20/2015 8/24/2015 Site: 11th FI South West	972 L t Corner	4.1 μg/m³	<4.1 µg/m³
S1131 341508419-0007	8/20/2015 8/24/2015 Site: Outside 10th FI Eas	936 L st Exterior	4.3 μg/m³	<4.3 µg/m³
S1132 341508419-0008	8/20/2015 8/24/2015 Site: Outside 10th FI We	936 L est Exterior	4.3 μg/m³	<4.3 µg/m³
S1065 341508419-0009	8/6/2015 8/24/2015 Site: Below 13th FI Decc	20344 L on	0.20 µg/m³	<0.20 µg/m³
S1111 341508419-0010	8/18/2015 8/24/2015 Site: Below Decon Level	3150 L 12	1.3 µg/m³	<1.3 µg/m³



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter, ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level -30 µg/m². Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items lested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 08/24/2015 14:52:41



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

ProjectID:

OCCU56

CustomerPO:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

(813) 626-8156 Phone:

(813) 623-6702 Fax:

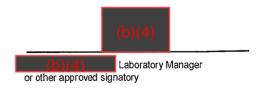
08/24/15 10:15 AM Received:

Collected: 8/20/2015

Project: Stennis B1 B2 Test Stand

#### Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
SCGW339 341508419-0011	0.20.20.0	8/24/2015 the 13th Floo	144 in² r Decon	10 µg/ft²	15 μg/ft²
SCGW340 341508419-0012	0.20.20.0	8/24/2015 le the 13th Flo	144 in² oor Decon	10 μg/ft²	39 µg/ft²



*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/fl2 x area sampled in fl2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as wolume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/fl² which is dependent on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AlHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 08/24/2015 14:52:41





### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

EMSL Order ID (Lab Use Only):

(b)(4)

Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

										11.44	vi j ue	יטעפיפי	<del>-</del>
Company: OH	C Environmental	Engine	ering, Inc.		EMSL-Bill to: Different  Same								
Street: 5420 B	ay Center Drive S	Suite 10	0		Third Party Billing requires written authorization from third party							ı	
City: Tampa				L	Zip/Postal Code: 33609 Country: United States								
Report To (Na	ne) (b)(4)	<u> </u>			Telephone #: 813-626-8156								
Email Address		(b)(4	)		Fax#: 8				P	urchase	Order		$\neg$
	Number: Stennis				Please Pr			FA	<u></u>	E-mail		Mail	$\neg$
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☐ 3 Hour	☐ 6 Hour	<b>24</b>		48 Hour		Hour	□ 96	~~~	П	Week	ГΠ	2 Wee	k
	*Analysis	complete	d in accordance v	with EMS			ons located	in the P					ゴ
	Matrix		M	ethod [*]		ln	strume	nt	Rep	orting Li	mit	Chec	ck
Chips 🗆 % by	/ wt. 🔲 mg/cm² 📋	ppm	SW8	46-7000	į	Flame A	Atomic Abs	orption		0.01%			
Air 24 hr.			NIO	SH 7082		Flame A	Atomic Abs	corption		μg/filter		•	
			NIOSH 7105			<u>:</u> _	nite Furnac			03 µg/filte			
		NIOSH 7300 modified			-AES/ICP-			5 µg/filte		<u> </u>	$\mathbf{H}$		
Wipe*	ASTM X non ASTM  is checked, non-ASTM Wips is assumed			<b>46-</b> 7000E			Atomic Abs	corption		0 hg/wibe			_
"if no box is			SW846-6010B or C SW846-7000B/7010		ICP-AES Graphite Furnace AA			0 µg/wip			-		
TCLP				SW846-1311/7000B/SM 3111B		Flame Atomic Absorption		0.075 µg/wipe 0.4 mg/L (ppm)			ㅡ片	$\dashv$	
102			SW846-1131/				ICP-AES	OIPROIT		mg/L (pp		<del> - </del>	
Soil			SW8	<b>46-</b> 7000	В	Flame A	Atomic Abs	orption	<del></del>	ng/kg (pr			
			SW	<b>846-</b> 7010	)	Graph	nite Furnac	e AA		ng/kg (p			
	<b>SW8</b> 46-6010B				ICP-AES			ig/kg (pp					
Wastewater	astewater Unpreserved		SM3111B/SW846-7000B			Atomic Abs			mg/L (pp				
Preserved wi	th HNO ₃ pH < 2		EPA 200.9 EPA 200.7		Graphite Furnace AA ICP-AES			3 mg/L (p ) mg/L (p		┈┝┥	-		
Drinking Wat	er Unpreserved		EPA 200.9			Graphite Furnace AA			3 mg/L (p			_	
	th HNO ₃ pH < 2		EPA 200.8		ICP-MS		0.001 mg/L (ppm)		pm)				
TSP/SPM File	Ar		L	FR Part 5		ICP-AES		1	2 μg/filte	ſ			
			40 CI	FR Part 5	50	Grapi	hite Furnac	xe AA	3.	6 µg/filte	r		
Other:			L							(1. \ (4\)	1		Ы
Name of San	pler: (b)(4)			· · · · ·	Signa		Sampler			(D)(4)			
Sample #		Locati					me/Are	<u> </u>		Date/1			
S1125			)CLEANUP1			-	980L			B/20/15			
S1126	(6)(4)	(ADS)	Clean up 1	3th fl			980L			8/20/15	5 8:10	)а 4:	18p
S1127	Inside13th FI Decon				1	016L			8/20/18	5 8:04	4a 4:	32p	
S1128	Outside13th Fl Decon				1016L				B/20/18	5 8:0	4a 4:	32p	
S1129	Below 13th FI Decon				1	014L			B/20/1	5 8:0	6a 4:	33p	
Client Samp	e#s 51/25	- 511:	33 SCGW	1339	SCGW	340	Tota	l#ofS	ample	3: 11			
   Relinguished	l (Client):			Date:	8/20/	15		Time:		5:30 p	m		
Received (Lai			(4)	Date:	Q/2	4/15		Time:		<del> </del>		am	
Comments:		<b>~</b> ! ~						·					
í	51111 4 51			46 01	= Sampl	45 T	te Lo	لادائلان	a TIM	ペラ ロル	→ λ≤	STER	W44/\$
		C	٥c. 🔽	h)(4)									

Page 1 of 2 pages





### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc. 5125 Adanson Street, Suite 90

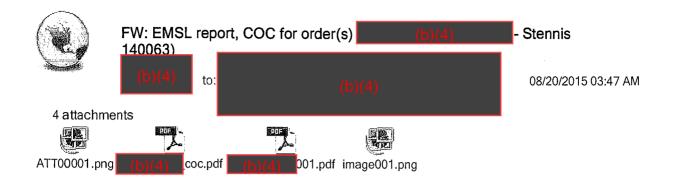
Orlando, FL 32804 PHONE: (407) 599-5887 FAX: (407) 599-9063

(b)(4)

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S1121	11th FI South West Corner	884L	8/19/15 8:46 4:08
S1122	Outside 10th FI East Exterior	828L	19/15 8:50 3:4
S1123	Outside 10th FI West Exterior	828L	19/15 8:50 3:4
S1124	Blank	OL	8/19/15
SCGW337	Inside the 13th Floor Decon	12x12	8/19/15
SCGW338	Outside the 13th Floor Decon	12x12	8/19/15
<b>2406</b> 5	Polow 12th El Doop	20.2441	
900	Below 13th Fl Decon	20,344L	286845-Q-628em
			9-30-30-30-30-30-30-30-30-30-30-30-30-30-
<b>84</b> 441	Balow Decon Level 12 '		CALLER OF EVERY
		9,150L	
	l l		1

Page 2 of 2 pages



Attached please find the test results for samples collected on August 18, 2015. The personnel samples exceed the OSHA PEL. the employees were wearing proper protection for this type of exposure. All remaining samples were well within acceptable levels.

(b)(4) MS, CIH

President

[cid:image001.png@01CD10DB.A9302780]

OHC Environmental Engineering Inc.

5420 Bay Center Drive Tampa, Florida 33609

Phone: 813.626.8156

Cell:

Email: (D)(4)

www.OHCNET.com<http://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Wednesday, August 19, 2015 2:15 PM

To: (b)(4)

Subject: EMSL report, COC for order(s) - Stennis 140063)

Report, COC for order(s):

(h)(4) - Stennis 140063

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Click here to fill out our Customer Survey<
http://www2.emsl.com/custsurvey/?fromregion=eastcoast>

<http://www.emsl.com/>[cid:4ccf808a-2851-4627-a0c3-e7c9a7cc6cd9]
http://www.emsl.com/><http://www.emsl.com/>
EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804
Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170
Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical, Inc. offers to our clients:



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100 Tampa, FL 33609

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702 08/19/15 9:00 AM

Collected:

8/18/2015

Project: Stennis 140063

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected Analyzed	Volume	RDL	Lead Concentration
S1109 341508232-0001	8/18/2015 8/19/2015 Site: Inside The Decon Le	960 L vel 13	4.2 μg/m³	<4.2 μg/m³
S1110 341508232-0002	8/18/2015 8/19/2015 Site: Outside The Decon I	960 L _evel 13	4.2 μg/m³	<4.2 µg/m³
S1112 341508232-0003	8/18/2015 8/19/2015 Site (h)(4) Blasting	960 L	4.2 μg/m³	1300 µg/m³
S1113 341508232-0004	8/18/2015 8/19/2015 Site: (b)(4) telper	960 L	4.2 µg/m³	1400 µg/m³
S1114 341508232-0005	8/18/2015 8/19/2015 Site: Below the Containme	950 L ent Level 9	4.2 μg/m³	<4.2 µg/m³
S1115 341508232-0006	8/18/2015 8/19/2015 Site: Blank	0 L	4.0 μg/filter	<4.0 μg/filter



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 08/19/2015 14:13:49

Test Report PB w/RDL-7.32.3 Printed: 8/19/2015 2:13:49 PM



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only)

Baton Rouge, LA 70809

PHONE: (225) 755-1920 FAX: (225) 755-1989

				Free! DUI	Di.	fferent / Came		
Company : OHO	C Environmental Engine	ering, Inc.	EMSL-Bill to: Different / Same If Bill to is Different note instructions in Comments**					
Street: 5420 Ba	y Center Drive Suite 10	0	Third Party Billing requires written authorization from third party					
City: Tampa		rovince: FL	Zip/Postal Code: 33609 Country: United States					
Report To (Nam	ne): Accounts Payable		Telephon	e#: 813-626-81	56	<del></del>		
	ohcaccountant@ohcn	et.com	Fax #: 8	13-623-6702	<u></u> , ,	Purchase Order:		
	lumber: Stennis 140063		Please Pr	ovide Results:	FAX	✓ E-mail	Mail	
U.S. State Sam			CT Samp	les: 🗌 Commerci	al/Taxable	☐ Residential/Tax	Exempt	
	Ťŧ	rnaround Time (T	AT) Option	s* - Please Che	ck			
☐ 3 Hour	☐ 6 Hour 💆 24	Hour 48 Hou					2 Week	
		d in accordance with EM				Guide	Check	
	Matrix	Method		Instrumer		Reporting Limit	CHECK	
Chips   % by	wt. mg/cm² ppm	SW846-700	0B	Flame Atomic Abs	orption	0.01%		
Air		NIOSH 708	32	Flame Atomic Abs		4 μg/filter	Z	
		NIOSH 7105		Graphite Furnac		0.03 μg/filter		
		NIOSH 7300 modified		ICP-AES/ICP-		0.5 µg/filter		
Wipe*	Nipe* ASTM F SW			Flame Atomic Abs	sorption	10 μg/wipe	_ <u>I</u>	
-		SW846-6010E	or C	ICP-AES		1.0 µg/wipe	_\	
TITIO DOX IS	'if no box is checked, non-ASTM Wipe is assumed		SW846-7000B/7010		Graphite Furnace AA 0.07			
TCLP	TCLP SW846-1311/7000B					0.4 mg/L (ppm)		
	SW846-1131/SW846-6			ICP-AES		0.1 mg/L (ppm)	╼┾┼╼┥	
Soil SW846-700 SW846-700 SW846-6010		SW846-700		Flame Atomic Abs Graphite Furna		40 mg/kg (ppm) 0.3 mg/kg (ppm)	<del>┍┈╞╡</del> ╌╏	
			ICP-AES		2 mg/kg (ppm)			
		SM3111B/SW84	المرجوب والمراجع المراجع Flame Atomic Ab		0.4 mg/L (ppm)			
Wastewater	Unpreserved	EPA 200.9		Graphite Furna		0.003 mg/L (ppm)		
Preserved wi	th HNO₃ pH < 2 ☐	EPA 200.7		ICP-AES		0.020 mg/L (ppm)		
Drinking Wa	ter Unpreserved	EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)	┖╌┾┽╌┤	
	ith $HNO_3$ pH < 2 $\Box$	EPA 200				0.001 mg/L (ppm)	<del></del>	
TSP/SPM Fil	ter	40 CFR Pai		ICP-AES		12 µg/filter 3.6 µg/filter	<del>├──</del> ┤	
		40 CFR Pa	1 50	Graphite Furnace AA		5.0 pg/miler		
Other:	(1.)(4)		- Ci	nture of Comple		(b)(4)		
Name of Sar		· · · · · · · · · · · · · · · · · · ·	Sign	ature of Sample Volume/Are		Date/Time	Sampled	
Sample #	Loca				7a		0620	
51109	inside THE Decon			960		8-18-15		
51110	outside THE Doce	N Level 13		960		<del></del>	0620	
SIII	Below Decon Le	vel 12		970			8625	
51112	अह		960			0630		
51113 (b)(4) Helper				960			0630	
Client Samp	ole #'s			Tot	al # of Sar	mples:		
Relinquishe		Date	: 8-1	18-15	Time:	1600		
Received (La	(t	)(4)	: 8-	19-15	Time:	9am		
110001100 (110								
	(b)(4)							
I .								

Page 1 of 2_ pages

OrderID:	(b)(4)

#### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

•	• /	
(b)(4)		Phone Fa)

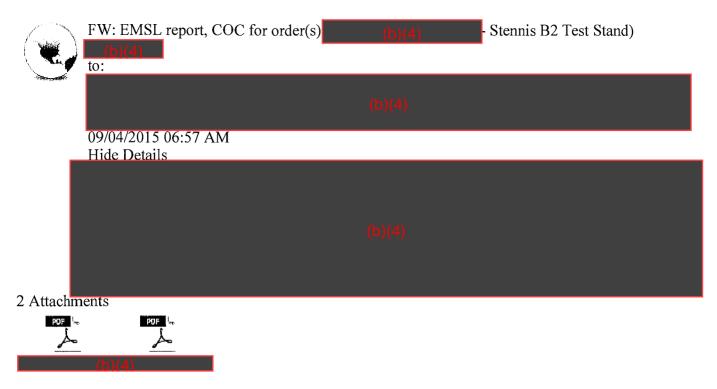
Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
51114	Below the Contaniment Level 9	950	8-18-15 06-45
81115	BLANK		
SCGW <i>335</i>	WSIDE THE DECON Level 13	12"X 12"	8-18-15
336 <u>(1336</u>	outside THE Decou Level 13	12" x 12"	8-18-15
		were well and	
		<u> </u>	
······································			
Comments/S	pecial Instructions:		

Page 2 of 2 pages

NASA	National Aeronautics and Space Administration	RACTOR TRAN	ISMITTA	I SHEE	т	DATE	Septe	mber 18, 2015
	John C. Stennis Space Center Stennis Space Center, MS 39529-6000	MACION INAN	ISIVIIII	L STILL		1	SHEET OF	1
	SECTION I - REQUEST F	OR APPROVAL (To	be Initiate	ed by the	Contractor)			
	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA	, MATERIAL SAMPLES,	OR	CON	TRACT NO.	X	NEW SUBM	ITTAL
	MANUFACTURER'S CERTIFICATES OF CO		NNS	14AA30T				
	(See Instructions on Reverse)		Contraction of the	1 - 12 - 12		0	RESUBMITT	
ТО	FROM		PREVIOUS T		AL NO. (If Any)	TI	RANSMITTA	L NO.
(b)(	HARRY PEPPER & ASS			0			462	
200H0-GA	ION AND SECTION NO. (Cover Only One Section With Each 7 04 Air & Wipe Samples Collected 9-1-15 th	Section reaction for the Contract of	TITLE AND LOC		B00-03 SOFT CO	RE PAINTIN	IG	
	DESCRIPTION OF ITEM SUBMITTED	77.00.3000	7.7.5	15.00	CONTRACT REF	ERENCE	VARIATION	ACTION
ITEM	(Type, Size, Model Number, etc.)	MANUFACTURE	4 EX 2450 EX	NO OF	DOCUM			CODE
NO.	(See Instruction No. 3)	(See Instruction	1 No. 8)	COPIES	SPECIFICATION PARAGRAPH NO.	DRAWING SHEET NO.	Instruction No. 6)	(See Instruction No. 9 (h)
(a)	(b)	(c)		(d)	(e)	(f)	(g)	No. 9 (h)
1	Air & Wipe Samples Collected 9-1-15	ОНС		3	3.4.1.1.c		-	
2	Air & Wipe Samples Collected 9-2-15	ОНС		3	3.4.1.1.c	-	-	
3	Air & Wipe Samples Collected 9-3-15	ОНС		3	3.4.1.1.c	-		-
4	Samples collected North East Pier 9-12-15	ОНС		3	3.4.1.1.c	4		
5	Air & Wipe Samples collected 9-15-15	ОНС		3	3.4.1.1.c	5-01		-
2			-	3	3.4.1.1.c	Y_R	2	-
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	SE	CTION II - APPROV	AL ACTION	1				
ENCLOSURE	S RETURNED (List by Item No.)	NAME, TITLE, AND SIG	SNATURE OF A	PPROVING	AUTHORITY	DATE		

Untitled Page 1 of 2



Attached please find the test results for samples collected on September 1, 2015. All the samples are within acceptable levels.



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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Thursday, September 03, 2015 6:47 PM

To: (b)(4)

Report, COC for order(s):

(b)(4) - Stennis B2 Test Stand

Please tell us how we are doing.



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063 Phone/Fax:

http://www.EMSL.com

OHC Environmental Engineering, Inc.

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

09/03/15 9:00 AM

Collected:

9/1/2015

**Test Report** 

Client Sample Description

S1204

Lab ID 341508895-0001 Collected:

9/1/2015

(ADS) Blasting Helper 11th

Test Pb-FLAA

Test

Pb-FLAA

Method 7082

Parameter Lead

Analyzed 9/3/2015 Volume 1360 L Concentration

91 μg/m³

Client Sample Description

S1205

Lab ID 341508895-0002 Collected:

9/1/2015

ADS) Spot Abatement L

Method

Parameter Lead 7082

Analyzed 9/3/2015 Volume 430 L

Lab ID 341508895-0003 Collected:

9/1/2015

Client Sample Description

Inside 13th FI Decon

Method

Parameter

Outside 13th FI Decon

Analyzed

Volume

Concentration

Concentration

<3.1 µg/m³

<3.1 µg/m³

Concentration

<9.3 µg/m³

Test Pb-FLAA

7082

Lead

S1206

9/3/2015 1310 L

9/1/2015

Test Pb-FLAA Method 7082

S1207

Parameter Lead

Analyzed 9/3/2015 Volume 1310 L

Lab ID 341508895-0004 Collected:

Client Sample Description

Client Sample Description

S1208

Lab ID 341508895-0005 Collected:

9/1/2015

Test Pb-FLAA

Test

Pb-FLAA

Method

7082

Method

7082

Parameter Lead

Parameter

I ead

Below 13th Fl Decon

Analyzed 9/3/2015

Volume 1310 L

Concentration <3.1 µg/m³

Client Sample Description

S1209

Lab ID 341508895-0006 Collected:

9/1/2015

11th FI South West Corner Soft Core

Analyzed

Volume 9/3/2015 1310 L

Concentration 5 2 2 6.1 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. c" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 09/03/2015 18:46:07



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B2 Test Stand

Phone:

(813) 626-8156

Fax:

(813) 623-6702 09/03/15 9:00 AM

Received: Collected:

9/1/2015

**Test Report** 

Client Sample Description

S1210

Lab ID 341508895-0007 Collected:

9/1/2015

Area Sample Level 3 SE Pier

Test Method

Parameter

Analyzed

Volume

Concentration

Pb-FLAA

7082

Lead

9/3/2015

430 L

<9.3 µg/m³

Client Sample Description

Lab ID 341508895-0008 Collected:

9/1/2015

Concentration

<3.1 µg/m³

Concentration

Concentration

<4.0 µg/filter

230 µg/m³

Test Pb-FLAA Method 7082

Parameter Lead

Area Sample Level 6 1/2 Pipe

Analyzed 9/3/2015 Volume 1290 I

Client Sample Description

S1212 ADS) Level 6 1/2 Spot A

Lab ID 341508895-0009 Collected.

9/1/2015

Test Pb-FLAA Method 7082

Parameter Lead

Analyzed 9/3/2015 Volume 500 L

Client Sample Description

S1213

Lab ID 341508895-0010 Collected.

Volume

0 L

9/1/2015

Test Pb-FLAA Method 7082

Parameter Lead

Analyzed

9/3/2015

Client Sample Description

SCGW357

Lab ID 341508895-0011 Collected.

9/1/2015

Test

Method

Inside The 13th FI Decon Parameter

Analyzed

Area Sampled 144 in²

Concentration 220 µg/ft²

Pb-FLAA

7000B

Lead

9/3/2015

Lab ID 341508895-0012 Collected:

9/1/2015

Client Sample Description

SCGW358

Outside The 13th FI Decon

9/3/2015

Test Pb-FLAA Method 7000B

Parameter Lead

Analyzed

144 in²

Area Sampled

Concentration

100 µg/ft²

_aboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in ug/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 09/03/2015 18:46:07





### Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 29 North Plains Hwy, Unit 4

Wallingford, CT 06492 PHONE: (203) 284-5948 FAX: (203) 284-5978

Company : OHC Environmental Engineering, Inc.			EMSL-Bill to: Different V Same  If Bill to is Different note instructions in Comments**					
Street: 5420 Bay Cer	nter Drive Suite 10	0	Third Party Billing requires written authorization from third party					
City: Tampa	State/P	rovince: FL	Zip/Posta	al Code: 33609 Country: United States				
Report To (Nam		١	Telephone #: 813-626-8156					
Email Address:		<b>′</b>	Fax #: 8	13-623-6702			Purchase Order:	
Project Name/Numbe	er: Stennis B2 Test	Stand	Please Pr	ovide Results:	FAX	✓ E-mail	Mail	
U.S. State Samples T			CT Samp	les: 🗌 Commercia	al/Taxable	Residential/Tax	Exempt	
		rnaround Time (TA	T) Option	s* - Please Chec	:k			
3 Hour	6 Hour 🔳 24			2 Hour 🔲 96			2 Week	
		in accordance with EMS	L's Terms ar			Guide	Check	
Matı		Method		Instrumen		Reporting Limit	CHeck	
Chips 🗆 % by wt. 🛭	] mg/cm² ∏ ppm	SW846-7000E	3	Flame Atomic Abso	orption	0.01%		
Air 24 HR.		NIOSH 7082		Flame Atomic Abso	orption	4 μg/filter		
241110		NIOSH 7105		Graphite Furnace		0.03 µg/filter	<u> </u>	
		NIOSH 7300 mod	lified	ICP-AES/ICP-N		0.5 µg/filter		
Wipe*	ASTM #2 non ASTM	SW846-7000I	В	Flame Atomic Abso	orption	10 µg/wipe	<b>Ø</b>	
*if no box is checke		SW846-6010B d	or C	ICP-AES		1.0 µg/wipe	<del>  </del> -	
	e is assumed	SW846-7000B/7	010	Graphite Furnace		0.075 µg/wipe		
TCLP	<del></del>	SW846-1311/7000B/S		Flame Atomic Abs	orption	0.4 mg/L (ppm)	<u> </u>	
		SW846-1131/SW846-6		ICP-AES		0.1 mg/L (ppm)	<del>                                     </del>	
Soll		SW846-7000 SW846-7010		Flame Atomic Abs Graphite Furnac		40 mg/kg (ppm) 0.3 mg/kg (ppm)	<del>├──<del>╞╡</del>┈┤</del>	
		SW846-6010B or C		ICP-AES		2 mg/kg (ppm)		
		SM3111B/SW846-7000B		Flame Atomic Abs	orption	0.4 mg/L (ppm)		
	preserved   O ₃ pH < 2	EPA 200 9		Graphite Furnac		0.003 mg/L (ppm)		
Preserved with HN	∪ ₃ pn < 2 ⊔	EPA 200.7		ICP-AES		0.020 mg/L (ppm)	┝╼╌╧┵┈┥	
Drinking Water Ur		EPA 200.9				0.003 mg/L (ppm)	<u> </u>	
Preserved with HN	$O_3 pH < 2 \square$		EPA 200.8			0.001 mg/L (ppm) 12 µg/filter	┞═┾╅═┪	
TSP/SPM Filter		40 CFR Part :				3 6 µg/filter	┞╶┌┤	
Other:		40 01 10 1 210		C) aprillo Y arrivo		<u> </u>		
Name of Sampler	(h)(4)	<u>,</u>	Signa	ture of Sampler	<del>.</del> (	(b)(4)		
Sample #	Locati	On	T	Volume/Area		Date/Time S	Sampled	
S1204		11th FI S. Containment(Hood)		1360L		9/1/15 7:45a		
(b)	(1)	nt level 3 SE Pier (1/2 Face)				9/1/15 7:45ar	9/1/15 7:45am 11:20am	
S1205	Inside 13th					9/1/15 7:50a		
			1310L 1310L					
\$1207	Outside 13th FI Decon  Below 13th FI Decon			1310L		9/1/15 7:50am 6:45pm 9/1/15 7:51am 6:46pm		
S1208			- 600		I # of Sai	<u> </u>	111 O.40pini	
Client Sample #'s	S1204 - 512		· · · · · · · · · · · · · · · · · · ·		1	5:30pm		
Retinquished (Clie		Date:	9/1/1		Time:			
Received (Lab):	(b)(4)	Date:		3/15	Time:	9:000	<u> </u>	
Comments:			•	•				

Page 1 of 2 pages





#### LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only)

EMSL Analytical, Inc.
29 North Plains Hwy, Unit 4

Wallingford, CT 06492 PHONE (203) 284-5948 FAX (203) 284-5978

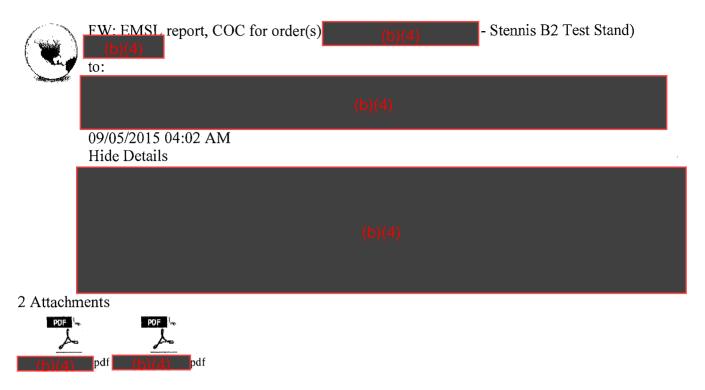
(b)(4)

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S1209	11th Fl South West Corner Soft Core	1310L	9/1/15 7:52am 6:47pm
S1210	Area sample Level 3 SE Pier	430L	9/1/15 7:45am 11.20am
S1211	Area sample Level 6 1/2 Pipe	1290L	9/1/15 8:05am 6:50pm
S1212	(b)(4) ADS) Level 6 1/2 Spot Abatement	500L	9/1/15 2:40pm 6:50pm
S1213	Blank	OL	9/1/15
SCGW357	Inside the 13th FI Decon	12X12	9/1/15
SCGW358	Outside the 13th FI Decon	12X12	9/1/15
Comments/S	pecial Instructions:		
	r		

Page 2 of 2 pages

Untitled Page 1 of 2



Attached please find the test results for air and wipe samples collected on September 2, 2015. All the samples are well within acceptable levels.



#### www.OHCNET.com

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Friday, September 04, 2015 3:45 PM

To: (b)(4)

**Subject:** EMSL report, COC for order(s) Stennis B2 Test Stand)

Report, COC for order(s):

(b)(4) - Stennis B2 Test Stand

Please tell us how we are doing.



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.FMSI..com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Concentration

Concentration

Concentration

Concentration

Concentration

7.1 µg/m³

<3.6 µg/m³

<3.6 µg/m³

22 μg/m³

29 μg/m³

OHC Environmental Engineering, Inc. 5420 Bay Center Drive

Suite 100

Project: Stennis B2 Test Stand

Tampa, FL 33609

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

09/04/15 9:00 AM

Collected:

9/2/2015

**Test Report** 

Client Sample Description

S1214

Lab ID 341508944-0001 Collected

9/2/2015

ADS) Blasting Helper 11

Method Test Pb-FLAA

7082

Parameter Lead

Analyzed 9/4/2015 Volume 1174 L

Client Sample Description

S1215

Lab ID 341508944-0002 Collected: ADS) Spot Abatement

9/2/2015

Method

7082

Parameter

Analyzed 9/4/2015 Volume 540 L

Client Sample Description

S1216

Lab ID 341508944-0003 Collected:

9/2/2015

Inside 13th Decon

Lead

Method Test Pb-FLAA 7082

Parameter Lead

Analyzed 9/4/2015 Volume 1120 L

Client Sample Description

S1217

Lab ID 341508944-0004 Collected:

9/2/2015

Test Pb-FLAA

Test

Pb-FLAA

Method 7082

Parameter I ead

Outside 13th FI Decon

Analyzed 9/4/2015 Volume 1120 L

Client Sample Description

S1218 Below 13th FI Decon Lab ID 341508944-0005 Collected.

9/2/2015

Test Pb-FLAA

Test

Pb-FLAA

Method 7082

Parameter Lead

Analyzed 9/4/2015 Volume

1120 L

Client Sample Description

S1219

Lab ID 341508944-0006 Collected: 11th FI South West Corner Soft Core

9/2/2015

Method 7082

Parameter Lead

Analyzed 9/4/2015

Volume

1120 L

Concentration 3.9 µg/m³

Laboratory Manager

or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter, ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 09/04/2015 15:43:44



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectiD:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B2 Test Stand

Phone:

(813) 626-8156

Fax.

(813) 623-6702 09/04/15 9:00 AM

Received: Collected:

9/2/2015

**Test Report** 

Client Sample Description

Lab ID 341508944-0007 Collected:

9/2/2015

Area Sample Level 6 1/2 SE Corner Pi

Method Test Pb-FLAA

Client Sample Description

Client Sample Description

Parameter

Analyzed

Volume 540 L

Lab ID 341508944-0008 Collected:

Concentration <7.4 µg/m³

7082

S1221

Lead

9/4/2015

9/2/2015

Area Sample 10th Floor Exterior

Method Test

Parameter Lead

Analyzed 9/4/2015 Volume 930 L

Concentration <4.3 µg/m³

Concentration

27 µg/ft²

<4.0 µg/filter

Pb-FLAA 7082

7082

Method

7000B

Lab ID 341508944-0009 Collected:

9/2/2015

Method

S1222

Parameter Analyzed 9/4/2015

Volume 0 L

Client Sample Description

SCGW359

Lab ID 341508944-0010 Collected:

9/2/2015

Test Pb-FLAA

Test

Pb-FLAA

Parameter Lead

Lead

Inside The 13th FI Decon

Analyzed

Area Sampled 9/4/2015 144 in²

Client Sample Description

SCGW360

Lab ID 341508944-0011 Collected:

9/2/2015

Outside The 13th FI Decon

Test Method Pb-FLAA 7000B

Parameter Lead

Analyzed 9/4/2015 Area Sampled 144 in²

Concentration 35 µg/ft²

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/t/2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not the area provided by non-lab personnel. The less tresults contained within this report meet the requirements of NELAC unless otherwise noted. "" (less than) results signified in pair windthis dependent of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results of the results requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

(Initial Report From 09/04/2015 15:43:44



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only).

Wallingford, CT 06492

PHONE: (203) 284-5948 FAX: (203) 284-5978

29 North Plains Hwy, Unit 4

EMSL Analytical, Inc.

								1.5.5		
Company: OHC Environmental Engineering, Inc.			EMSL-Bill to: Different / Same  If Bill to is Different note instructions in Comments**							
Street: 5420 Bay	Center Drive S	uite 10			Third Party Billing requires written authorization from third party					
City: Tampa		State/P	rovince:		Zip/Postal Code: 33609 Country: United State			States		
Report To (Name): (b)(4)				Telephone	#: 813-626-8	156				
Email Address: (b)(4)				Fax #: 8	13-623-6702			rchase Order:		
Project Name/Nu	ımber: Stennis E	32 Test	Stand		Please Pr	ovide Results:	FAX	<b>√</b>	E-mail	Mail
U.S. State Samp					CT Sampl	es: 🗌 Commer	cial/Taxab	le 🔲 R	esidential/Tax	Exempt
		Tu	rnaround T	ime (TAT	) Option:	s* - Please Ch	eck			
☐ 3 Hour	☐ 6 Hour	<b>2</b> 4		48 Hour			6 Hour		Week 📗 🗔	2 Week
		complete			's Terms ar	nd Conditions locat		ce Guide	-time I imais	Check
	Matrix		<u> </u>	Method		Instrume	ent		rting Limit	Citeck
Chips   % by v	vt. 🗌 mg/cm² 🗀	] ppm	SW	/846-7000B		Flame Atomic A	bsorption		0.01%	
Air 24 HR.			NI	OSH 7082		Flame Atomic A	bsorption		µg/filter	<b>2</b>
24 MM.			NI	OSH <b>710</b> 5		Graphite Furn			3 μg/filter	
			NIOSH	l 7300 modi	fied	ICP-AES/IC			µg/filter	
Wipe*	ASTM		SW	/846-7000B		Flame Atomic A	bsorption		μg/wipe	
if no box is ci	non ASTM hecked, non-ASTM			16-6010B or	_	ICP-AE			µg/wipe	<del>                                     </del>
	Wipe is assumed		SW84	6-7000B/70	)10	Graphite Furn			5 µg/wipe	
TCLP			SW846-131			Flame Atomic A		0.4 mg/L (ppm) 0.1 mg/L (ppm)		<del>┡</del>
			SW846-113			ICP-AE			g/kg (ppm)	<del>┞┈╎┤</del> ┈┥
Soil				/846-7000B /√846-7010	<u> </u>	Flame Atomic A Graphite Furn			g/kg (ppm)	
				46-6010B o	гС	ICP-AE			g/kg (ppm)	
				B/SW846-7		Flame Atomic A	bsorption		ng/L (ppm)	
Wastewater	Unpreserved		E	PA 200.9	_	Graphite Furn	ace AA		mg/L (ppm)	
Preserved with	$1 \text{ HNO}_3 \text{ pH} < 2$	<u></u>	EPA 200.7		ICP-AE		0.020 mg/L (ppm)		1	
Drinking Wate				PA 200.9		Graphite Furn			mg/L (ppm)	<u>}</u>
Preserved with	$1 \text{ HNO}_3 \text{ pH} < 2$			EPA 200 8		ICP-MS			mg/L (ppm) µg/filter	
TSP/SPM Filte	er			CFR Part 5 CFR Part 5		ICP-AE Graphite Furr			: μg/filter 6 μg/filter	1
Other:			40	OFFICE		Oraphite Fait	1400701		э рукия	
	(1.) (4)			·	Signs	ture of Sampl	or:		(b)(4)	
Name of Samp	oler (b)(4)	Locati	ion	-	Signa	Volume/A		~	Date/Time	Sampled
Sample #	)S)Blas		11th FIS. Contain	nment(Hood)		1174L			9/2/15 9:30a	
	(b)(4)				5401				9/2/15 9:50am 2:20pm	
S1215	S)Spot Abatement level 6 1/2 SE Corner Pipe(1/2 Face)			1120L				9/2/15 9:45am 7:05pm		
S1216	Inside 13th Fl Decon									
S1217	Outside 13th Fl Decon			-	1120L			9/2/15 9:45am 7:05pm 9/2/15 9:46am 7.06pm		
S1218			FI Decon			1120L				
Client Sample	#'s 51214	-51	2 <u>19 5</u> CG	w 359			tal # of S	amples		
Relinquished (Client):			Date:	9/2/1		Time:		5:30pm		
Received (Lab)	:			Date:	71	4/19	Time:		9am	<u>-</u>
Comments:										
		•								

Page 1 of ____ pages

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LEAD (Pb) CHAII	N OF CUSTODY
EMSL ORDER ID	(Lab Use Only):
(5)/4)	<del></del>

EMSL Analytical, Inc. 29 North Plains Hwy, Unit 4

Wallingford, CT 06492 PHONE: (203) 284-5948 FAX. (203) 284-5978

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S1219	11th Fl South West Corner Soft Core	1120L	9/2/15 9:47am 7:07pm
S1220	Area sample Level 6 1/2 SE Corner Pipe	540L	9/2/15 9:55am 2:20pm
S1221	Area sample 10th Floor Exterior	930L	9/2/15 9:50am 5:35pm
S1222	Blank	OL	9/2/15
SCGW359	Inside the 13th FI Decon	12X12	9/2/15
SCGW360	Outside the 13th Fl Decon	12X12	9/2/15
Comments/S	pecial Instructions:		

_	2	.2			
Page		Of		pages	



Attached please find the test results for the air and wipe samples collected on September 3, 2015. All the samples are well within acceptable levels. The spot abatement was conducted inside the containment.

MS, CIH

President

[cid:image001.png@01CD10DB.A9302780] OHC Environmental Engineering Inc.

5420 Bay Center Drive Tampa, Florida 33609 Phone: 813.626.8156

Cell:

Email

www.OHCNET.com<http://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]

Sent: Tuesday, September 08, 2015 3:50 PM

Subject: EMSL report, COC for order(s) - Stennis B2 Test

Stand)

Report, COC for order(s):

- Stennis B2 Test Stand

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Click here to fill out our Customer Survey< http://www2.emsl.com/custsurvey/?fromregion=eastcoast>

<a href="http://www.emsl.com/>[cid:44717465-f223-49bb-bbeb-27ff8e63130c]">http://www.emsl.com/>[cid:44717465-f223-49bb-bbeb-27ff8e63130c]</a>

http://www.emsl.com/><http://www.emsl.com/> | Laboratory

Analyst /LaboratoryTechnical Director

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804

Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID:

OCCU56

CustomerPO: ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B2 Test Stand

Phone: Fax:

(813) 626-8156 (813) 623-6702

Received:

09/08/15 8:45 AM

Collected:

9/3/2015

**Test Report** 

Client Sample Description

Lab ID 341509000-0007 Collected:

9/3/2015

10th FI South East Exterior

Test Method Pb-FLAA 7082

Parameter

Lead

Analyzed 9/8/2015 Volume 1150 L Concentration <3.5 µg/m3

Client Sample Description

S1231

S1230

Lab ID 341509000-0008 Collected:

9/3/2015

Blank

Method 7082

Parameter Lead

Analyzed 9/8/2015 Volume 0 L

Concentration <4.0 µg/filter

Client Sample Description

**SCGW361** 

Lab ID 341509000-0009 Collected:

9/3/2015

Inside The 13th FI Decon

Test Pb-FLAA

Test

Pb-FLAA

Parameter Lead

Analyzed 9/8/2015

Area Sampled 144 in²

Concentration 160 µg/ft2

Client Sample Description

SCGW362

Lab ID 341509000-0010 Collected:

9/3/2015

Test Pb-FLAA Method 7000B

Method

7000B

Parameter Lead

Outside The 13th FI Decon

Analyzed 9/8/2015

Area Sampled 144 in²

Concentration 34 µg/ft²

Laboratory Manager

or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "-" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC-ELLAP Accredited #163563

Initial Report From 09/08/2015 15:49:24



5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Stennis B2 Test Stand

Phone: Fax:

(813) 626-8156

Received:

(813) 623-6702 09/08/15 8:45 AM

Collected:

9/3/2015

**Test Report** 

Client Sample Description

S1223

Lab ID 341509000-0001 Collected:

9/3/2015

(ADS) Blasting Helper 11t

Analyzed

Volume

Pb-FLAA

Test

Method 7082

Parameter Lead

9/8/2015

1220 L

40 µg/m³

Concentration

Client Sample Description

S1224

Lab ID 341509000-0002 Collected:

9/3/2015

Test Pb-FLAA 7082

Method Parameter

Analyzed 9/8/2015

ADS) Spot Abatement (

Volume

786 L

Concentration 100 μg/m³

Concentration

<3.6 µg/m³

Client Sample Description

S1225

Lab ID 341509000-0003 Collected:

9/3/2015

Inside 13th FI Decon

Lead

Outside 13th FI Decon

Lead

Method Test Pb-FLAA

Parameter Analyzed

Volume 1114 L

Client Sample Description

S1226

Lab ID 341509000-0004 Collected:

9/3/2015

Test Pb-FLAA Method 7082

7082

Parameter Lead

Analyzed 9/8/2015

9/8/2015

Volume 1114 L

Concentration <3.6 µg/m³

Client Sample Description

S1227

Lab ID 341509000-0005 Collected:

9/3/2015

Below 13th FI Decon

Method

7082

Parameter Lead

Analyzed 9/8/2015

Volume 1114 L Concentration <3.6 µg/m³

Lab ID 341509000-0006 Collected:

9/3/2015

Client Sample Description

S1228

11th FI South West Corner Soft Core

Analyzed

Volume

Test Pb-FLAA

Test Pb-FLAA

> Method 7082

Parameter Lead

9/8/2015

1116 L

Concentration <3.6 µg/m³

Laboratory Manager or other approved signatory

Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted.
"<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial Report From 09/08/2015 15:49:24

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## LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc.	
29 North Plains Hwy, Unit 4	1

(b)(4)

Wallingford, CT 06492 PHONE (203) 284-5948 FAX (203) 284-5978

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
S1228	11th Fl South West Corner Soft Core	1116L	9/3/15 6:47am 4:05pm
S1229	Down Wind Area Sample Roof Level Entrance	VOID	9/3/15 6:42am VOID
S1230	10th Floor South East Exterior	1150L	9/3/15 6:50am 4:25pm
S1231	Blank	0L	9/3/15
<u> </u>			
		40.710	
SCGW361	Inside the 13th Fl Decon	12X12	9/3/15
SCGW362	Outside the 13th Fl Decon	12X12	9/3/15
-			
Comments/S	pecial Instructions:		

Page 2 of 2 pages



### Lead (Pb) Chain of Custody

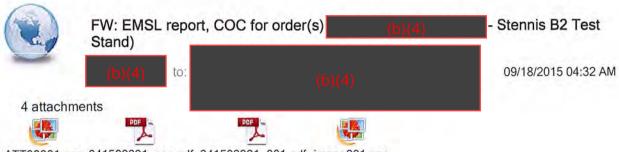
EMSL Order ID	Lab Use Only):

EMSL Analytical, Inc. 29 North Plains Hwy, Unit 4

Wallingford, CT 06492 PHONE (203) 284-5948

										TAX (203) 2	
Company : OH		EMSL-Bill to: Different Same If Bill to is Different note instructions in Comments**									
Street: 5420 Ba	ay Center Drive Su	ite 100	0		Third Party Billing requires written authorization from third party						
City: Tampa State/Province: FL				Zip/Postal Code: 33609 Country: United States							
Report To (Name) (b)(4)						Telephone #: 813-626-8156					
Email Address: (b)(4)						13-623-6	702		P	urchase Order	
Project Name/N	Number: Stennis B2	? Test	Stand		Please Pi	rovide Res	sults:	FAX	<b>√</b>	E-mail	Mail
	ples Taken: MS				CT Samp	les: 🗌 Co	mmerc	ial/Taxab	le 🗌 i	Residential/Tax	Exempt
			rnaround	Time (TA			se Che	ck			
☐ 3 Hour ☐ 6 Hour <b>■</b> 24				48 Hour		2 Hour		Hour	_		2 Week
*Analysis completed in accordance with EM				nce with EMS Method	L's Ferms a				Ren	e orting Limit	Check
China 🗆 🛚 🗸	Matrix								0.01%	- Oneok	
Chips ☐ % by	/ wt. ☐ mg/cm² ☐ [	ppm		6W846-7000E							
Air 24 HR.				NIOSH 7082		Flame A				µg/filter	
				NIOSH 7105 SH 7300 mod	lified	<del></del>	te Furna AES/ICP			03 µg/filter 5 µg/filter	┠ <del>╌╞╡</del> ╌┧
1841 4				SW846-7000E						) µg/wipe	
Wipe*	ASTM I	<b>5</b>		/846-6010B o	<u> </u>		<u>-</u>	1.0 µg/wipe			
*if no box is	checked, non-ASTM Wipe is assumed	_	SW846-7000B/7010				te Furna		0.075 µg/wipe		
TCLP			SW846-1311/7000B/SM 3111B		Flame Atomic Absorption		sorption	0.4	mg/L (ppm)		
			SW846-1	1131/SW846-6010B or C		ICP-AES		0.1 mg/L (ppm)			
Soil		•	SW846-7000B		Flame Atomic Absorption Graphite Furnace AA		40 mg/kg (ppm)				
1				SW846-7010 V846-6010B o		·	te Furna CP-AES	_		mg/kg (ppm) ig/kg (ppm)	┠╼╞┤╌
			SM3111B/SW846-7000B			Flame Atomic Absorption		0.4 mg/L (ppm)			
Wastewater	Unpreserved		Olwon	EPA 200.9	. 0000		te Furna			mg/L (ppm)	
Preserved wit	th HNO₃ pH < 2 [		EPA 200.7			ICP-AES		0.020 mg/L (ppm)			
			EPA 200.9		Graphite Furnace AA		0 003 mg/L (ppm)				
Preserved wi	th HNO ₃ pH < 2 $\Box$		EPA 200.8		<u> </u>	ICP-MS			0.001 mg/L (ppm) 12 µg/filter		┡╼╞╡╼
TSP/SPM Filt	ter		<b>1</b> ———	0 CFR Part 5				2 μg/filter .6 μg/filter	<u> </u>		
Other:				70 01 777 477							
Name of San	opler (b)(4)				Signa	ature of S	ample				
Sample #		ocati	on		7 U.S		me/Are			Date/Time	Sampled
S1223	ADS)Blasting Helper 11th FI S. Containment (Full Fac				40001				9/3/15 6:40am 4:50pm		
S1224				Containment (1/2 Face)	786L 9/3/15 6:42am				m 1:15pm		
S1225	Inside	13th I	FI Decor	 1	1114L				9/3/15 6:45am 4:02pm		
S1226	Outside				1114L				9/3/15 6:45am 4:02pm		
S1227		13th FI Decon			1114L			9/3/15 6:46am 4:03pm			
Client Samp	e#'s 51223	- S12	31 50	CW 361	SCGW.	362	Tota	al # of Sa	ample	<b>5:</b> 10	
Relinquished				Date:	9/3/1	_		Time:		5:30pm	
Received (Lat				Date:	9	18/15	•	Time:		8:45	
Comments:	<u> </u>				<u> </u>		<u> </u>	1		<u> </u>	

Page 1 of ____ pages



ATT00001.png 341509391_coc.pdf 341509391_001.pdf image001.png

Attached please find the test results for samples collected on September 12 on the NE Pier. All the samples are below detection level.

President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone: 813.626.8156
Cell:
Email: (b)(4)

www.OHCNET.com<http://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]
Sent: Thursday, September 17, 2015 4:39 PM

To: (b)(4)

Subject: EMSL report, COC for order(s) - Stennis B2 Test

Stand)

Report, COC for order(s):

(b)(4) - Stennis B2 Test Stand

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Click here to fill out our Customer Survey<
http://www2.emsl.com/custsurvey/?fromregion=eastcoast>

<http://www.emsl.com/>[cid:d4549201-29e8-4444-935c-e9b9a502ba8c]<http://www.emsl.com/><http://www.emsl.com/>
Analyst /LaboratoryTechnical Director (b)(4)

EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804 Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical, Inc. offers to our clients:

```
LABConnect <a href="https://extranet.emsl.com/">LABConnect <a href="http://www.emsl.com/ProductCatalogHome.aspx">LogHome.aspx</a> | Client Corner</a>
<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training</a>
<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=477</a> | Additional Resources</a>
<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=421">http://www.emsl.com/index.cfm?nav=Pages&ID=421</a> | Sampling Videos</a>
<a href="http://www.emsl.tv">http://www.emsl.tv</a>
```

_____

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5125 Adanson Street, Suite 900, Orlando, FL 32804 Phone/Fax: (407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID:

OCCU56

CustomerPO:

ProjectID:

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B2 Test Stand

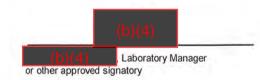
(813) 626-8156 Phone: Fax: (813) 623-6702

09/17/15 9:20 AM Received:

Collected: 9/12/2015

#### Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
S1248	9/12/2015	9/17/2015	576 L	6.9 μg/m³	<6.9 μg/m³
341509391-0001	Site: 1	MAN (DS)S	pot Abate NE. Pier NE 7th FI Inbed		
S1249	9/12/2015	9/17/2015	576 L	6.9 µg/m³	<6.9 µg/m³
341509391-0002	Site: Down	n Wind Spot Aba	atement NE. Pier Inbeds 7 Level		
S1250	9/12/2015	9/17/2015	0 L	4.0 μg/filter	<4.0 µg/filter
341509391-0003	Site: Blank	ĸ			



*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter, ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. "<br/>"<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 09/17/2015 16:38:28

EMSL Analytical, Inc. 29 North Plains Hwy, Unit 4



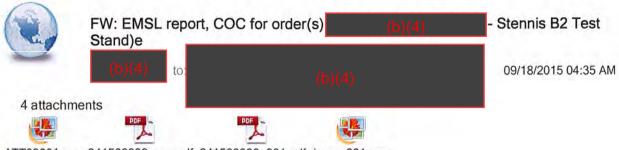
### Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only).

Wallingford, CT 06492 PHONE. (203) 284-5948 FAX: (203) 284-5978

EMOL	Oluci	(Lab Ose	Jilly).

Company: OHC Environmental Engineering, Inc.  Street: 5420 Bay Center Drive Suite 100  Third Party Billing requires written authorization from the City: Tampa  State/Province: FL  Report To (Name)  (b) (4)  Fax #: 813-623-6702  Purchase Or	rd party				
City: Tampa State/Province: FL Zip/Postal Code: 33609 Country: Unit Telephone #: 813-626-8156	rd party				
Report To (Name) (b) (4) Telephone #: 813-626-8156					
042 000 0700	ted States				
Fav #: 813-623-6702 Purchase Or					
Project Name/Number: Stennis B2 Test Stand  Please Provide Results: FAX FAX FE-mail	Mail				
U.S. State Samples Taken: MS	Tax Exempt				
Turnaround Time (TAT) Options* - Please Check					
☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week	2 Week				
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide					
Matrix Method Instrument Reporting Lim	it Check				
Chips : % by wt. : mg/cm² : ppm   SW846-7000B   Flame Atomic Absorption   0.01%					
Air 24 HR. NIOSH 7082 Flame Atomic Absorption 4 µg/filter  NIOSH 7105 Graphite Furnace AA 0.03 µg/filter					
NIOSH 7300 modified ICP-AES/ICP-MS 0.5 µg/filter					
Wipe* ASTM SW846-7000B Flame Atomic Absorption 10 μg/wipe					
non ASTM SW846-6010B or C ICP-AES 1.0 µg/wipe					
Wipe is assumed SW846-7000B/7010 Graphite Furnace AA 0.075 µg/Wipe					
TCLP         SW846-1311/7000B/SM 3111B         Flame Atomic Absorption         0.4 mg/L (ppm					
SW846-1131/SW846-6010B or C ICP-AES 0.1 mg/L (ppm					
Soil         SW846-7000B         Flame Atomic Absorption         40 mg/kg (ppm           SW846-7010         Graphite Furnace AA         0.3 mg/kg (ppm					
SW846-7010         Graphite Furnace AA         0.3 mg/kg (ppn           SW846-6010B or C         ICP-AES         2 mg/kg (ppm					
SW3111B/SW846-7000B Flame Atomic Absorption 0.4 mg/L (ppm					
Wastewater Unpreserved FPA 200 9 Graphite Furnace AA 0.003 mg/L (pp)					
Preserved with HNO₃ pH < 2 ☐ EPA 200.7 ICP-AES 0.020 mg/L (pp)					
Drinking Water Unpreserved ☐ EPA 200 9 Graphite Furnace AA 0 003 mg/L (ppn					
Preserved with HNO ₃ pH < 2  EPA 200.8 ICP-MS 0 001 mg/L (ppr	n)				
TSP/SPM Filter 40 CFR Part 50 ICP-AES 12 µg/filter					
40 CFR Part 50 Graphice Turisce A4 5:0 pg/mtc.	<del>-   -   -  </del>				
Other:  Name of Sampler (b)(4)  Signature of Sampler: (b)(4)					
	ne Sampled				
Outriple #	:12am 2:00pm				
01240	9/12/15 9:12am 2:00pm				
01240	9/12/15				
S1250 Blank OL 9/	12/13				
Client Sample #'s SI 243 - S1250 Total # of Samples: 3					
Relinquished (Client): Date: 9/12/15 Time: 5:30pm					
Received (Lab):   (b)(4)   Date:   9-17-15   Time:   9:2	dan				
Comments:					

Page 1 of ____ pages



ATT00001.png 341509390 coc.pdf 341509390 001.pdf image001.png

Attached please find the test results for samples collected on September 15, 2015. All the samples are well within acceptable levels.

(b)(4) MS, CIH
President
[cid:image001.png@01CD10DB.A9302780]
OHC Environmental Engineering Inc.
5420 Bay Center Drive
Tampa, Florida 33609
Phone: 813.626.8156
Cell:
Email: (b)(4)

www.OHCNET.com<http://www.ohcnet.com/>

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From: EMSL (Orlando) [mailto:orlandolab@emsl.com]
Sent: Thursday, September 17, 2015 4:37 PM
To: (h)(4)
Subject: EMSL report, COC for order(s) (h)(4) - Stennis B2 Test Stand)

Report, COC for order(s):

- Stennis B2 Test Stand

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<http://www.emsl.com/>[cid:b7687795-d3e1-4a4f-ab06-623e8d59cc87]
http://www.emsl.com/><http://www.emsl.com/> (b)(A) | Laboratory
Analyst /LaboratoryTechnical Director
 EMSL Analytical, Inc. | 5125 Adanson Street, Suite 900 | Orlando, FL 32804
 Phone: 407-599-5887 | Fax: 407-599-9063 | Toll Free: 888-958-8170
 Lab Hours: Monday - Friday 8:30AM - 6PM, Saturday-Sunday On-Call

Some of the resources EMSL Analytical, Inc. offers to our clients:

```
LABConnect <a href="https://extranet.emsl.com/">LABConnect <a href="http://www.emsl.com/ProductCatalogHome.aspx">Lolient Corner</a>
<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=420">http://www.emsl.com/index.cfm?nav=Pages&ID=420</a> | Training</a>
<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=477">http://www.emsl.com/index.cfm?nav=Pages&ID=421</a> | Additional Resources</a>
<a href="http://www.emsl.com/index.cfm?nav=Pages&ID=421">http://www.emsl.com/index.cfm?nav=Pages&ID=421</a> | Sampling Videos</a>
<a href="http://www.emsl.tv">http://www.emsl.tv</a>
```

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5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com

orlandolab@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc. 5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B2 Test Stand

Phone:

(813) 626-8156

Fax:

(813) 623-6702

Received:

09/17/15 9:20 AM

Collected:

9/15/2015

**Test Report** 

Client Sample Description

Lab ID 341509390-0001 Collected:

9/15/2015

(ADS) Cleaning Inside the

Tost

Pb-FLAA

Test

Test

Test

Pb-FLAA

Pb-FLAA

Pb-FLAA

Method 7082

Parameter Lead

Analyzed 9/17/2015 Volume 910 L

Concentration 29 µg/m3

Concentration

<4.8 µg/m3

Client Sample Description

S1252

Lab ID 341509390-0002 Collected:

9/15/2015

Method

7082

Method

7082

Parameter Lead

ADS)Spot Abate Grindi Analyzed 9/17/2015

Volume 840 L

Client Sample Description

S1253

Lab ID 341509390-0003 Collected:

9/15/2015

Inside 13th FI Decon

Parameter

Lead

Analyzed 9/17/2015

Volume 1090 L Concentration

<3.7 µg/m³

Client Sample Description

Lab ID 341509390-0004 Collected:

Outside 13th FI Decon

Method Test Pb-FLAA 7082

Parameter I ead

Analyzed 9/17/2015 Volume 1090 L

Concentration <3.7 µg/m³

Client Sample Description

S1255

Method

7082

Lab ID 341509390-0005 Collected:

9/15/2015

Below 13th FI Decon Parameter Analyzed

9/17/2015

Volume 1090 L Concentration <3.7 µg/m³

Client Sample Description

S1256

Lab ID 341509390-0006 Collected:

9/15/2015

10th Floor South East Exterior

Test Method Pb-FLAA 7082

Parameter Lead

Lead

Analyzed 9/17/2015 Volume 770 L

Concentration <5.2 µg/m³

Laboratory Manager or other approved signatory

*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter: ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. imitations. This report may not be reproduced except in full, without written approval by EMSE. In list report relates only to those items tested. Samples received in good condition unless otherwise in "c" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise Samples analyzed by EMSL Analytical, Inc. Orlando, FL AlHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 09/17/2015 16:34:56



5125 Adanson Street, Suite 900, Orlando, FL 32804

(407) 599-5887 / (407) 599-9063

http://www.EMSL.com orlandolab@emsl.com EMSL Order: CustomerID: CustomerPO:

ProjectID:

OCCU56

Attn:

OHC Environmental Engineering, Inc.

5420 Bay Center Drive Suite 100

Tampa, FL 33609

Project: Stennis B2 Test Stand

Phone:

(813) 626-8156

Fax: Received: (813) 623-6702

09/17/15 9:20 AM

Collected:

9/15/2015

**Test Report** 

Client Sample Description

S1258

Blank

SCGW367

Lab ID 341509390-0007 Collected:

9/15/2015

Tost

Method

Parameter

Analyzed

Volume

Concentration

<4.0 µg/filter

Pb-FLAA

7082

Lead

9/17/2015

01 Lab ID 341509390-0008 Collected:

9/15/2015

Client Sample Description

Inside the 13th FI Decon

Analyzed Area Sampled

Concentration

Pb-FLAA

Test

Method 7000B

Parameter Lead

9/17/2015

144 in²

95 µg/ft²

Client Sample Description

SCGW368

Lab ID 341509390-0009 Collected:

9/15/2015

Outside the 13th FI Decon

Method Test Pb-FLAA 7000B

Parameter

Analyzed Lead 9/17/2015 Area Sampled 144 in²

Concentration

62 µg/ft2

Laboratory Manager or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/fl² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

(Initial Report From 09/17/2015 16:34:56



### Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

EMSL Analytical, Inc. 29 North Plains Hwy, Unit 4

Wallingford, CT 06492 PHONE: (203) 284-5948 FAX: (203) 284-5978

									(200) 20		
Company: OH	C Environmental E	ering, Inc.		EMSL-Bill to: Different / Same If Bill to is Different note instructions in Comments**							
Street: 5420 Bay Center Drive Suite 100						Third Party Billing requires written authorization from third party					
City: Tampa	ity:Tampa State/Province: FL			Zip/Postal Code: 33609 Country: United States							
Report To (Name) (b)(4)					Telephon	<u>e #: 813-62</u>	6-8156				
Email Address:		Fax #: 8	13-62 <u>3-670</u>	)2	Pu	rchase Order:					
Project Name/N	lumber: Stennis B	2 Test	Stand		Please Pr	ovide Resul	ts: FAX	✓	E-mail	Mail	
	ples Taken: MS				CT Samp	es: 🗌 Com	mercial/Taxab	le 🗌 R	esidential/Tax	Exempt	
		rnaround T	me (TA	Γ) Option	s* - Please	Check					
			48 Hour			96 Hour		Week 🔲	2 Week		
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide  Matrix Method Instrument Reporting Limit Cl										Check	
Matrix Method										Cileck	
Chips □ % by	wt. mg/cm²	ppm	SW	846-7000B		Flame Aton	nic Absorption		0.01%		
Air 24 HR.				OSH 7082			nic Absorption		μg/filter		
Z-7 1 II (.				DSH 7105	<del></del>		Furnace AA		3 µg/filter	<del>┤</del> ┤	
		<del></del> _		7300 mod		,	S/ICP-MS		µg/filter		
Wipe*	ASTM	<u>#</u>		846-7000E			nic Absorption		µg/wipe		
*if no box is	non ASTM checked, non-ASTM			6-6010B o			P-AES		µg/wipe		
Wipe is assumed				6-7000B/79	نب بيم محمور		Furnace AA	0.075 μg/wipe		┝╌╬╌┤	
TCLP			SW846-1311/7000B/SM 3111B SW846-1131/SW846-6010B or C				nic Absorption P-AES	0.4 mg/L (ppm) 0.1 mg/L (ppm)			
0-11	<del> </del>	_		75VV640-0 846-7000E			nic Absorption		g/kg (ppm)		
Soil			SW846-7010		Graphite Furnace AA		0.3 mg/kg (ppm)				
				6-6010B o		ICF	P-AES		g/kg (ppm)		
Wastewater Unpreserved ☐ Preserved with HNO ₃ pH < 2 ☐  Drinking Water Unpreserved ☐			SM3111B/SW846-7000B		7000B		nic Absorption		ng/L: (ppm)		
			EPA 200 9				Furnace AA		mg/L (ppm)		
			EPA 200.7				P-AES		mg/L (ppm) mg/L (ppm)	H H H	
				PA 200 9 PA 200.8			Furnace AA P-MS		mg/L (ppm)		
Preserved with HNO₃ pH < 2 □			40 CFR Part 50 ICP-AES					μg/filter			
TSP/SPM Filter			ŧ	CFR Part 5			Furnace AA				
Other:											
Name of Sam	ple (b)(4)				Signa	ture of Sa	mpler:		4)		
Sample #	(D)(4)	Locati	on			Volum			Date/Time	Sampled	
S1251 (b)(4) S)Cleaning inside the South Cont			e South Containme	nt(1/2 Face)		91	OL /		9/15/15 8:05	am 3:40pm	
S1252 (b)(d) D5)Spot Abate Grinding 1 Beams 15th fl. exterior & Side(Full Face			Side(Full Face)	840L 9/15/15 7:00am 2:0					am 2:00pm		
S1253	S1253 Inside 13th FI Decon			1090L 9/15/15 6:50am				am 3:55pm			
\$1254	S1254 Outside 13th FI Decon				1090L 9/15/15 6:50am 3:55						
S1255 Below 13th Fl Decon					109	90L		9/15/15 6:51	am 3:56pm		
Client Samp	e#'s \$1251	-51	25R 5C	6W36	7 506	W368	Total # of S	amples	11		
Relinquished	I (Client):			Date:	OMEME		5:30pm				
Received (Lab			4)	Date:	19-	17-15	Time:		9:20	an	
Comments:	-				-				-		
Samp	10 # 51	٦٣,	7 mis	Sinn	100	9-17-15	<u>~</u>				
1 mily	4 701	00	1 11000	10 11 CA		1 1 12					

OrderID:



# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

EMSL Analytical, Inc. 29 North Plains Hwy, Unit 4

Wallingford, CT 06492 PHONE: (203) 284-5948 FAX. (203) 284-5978

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample#	Location	Volume/Area	Date/Time Sampled
S1256	10th Floor South East Exterior	770L	9/15/15 9:45am 4:10pm
S1257	Down Wind(ADS)Spot Abate Grinding   Beams 15th fl Exterior E Side	VOID	9/15/15 7:00am
S1258	Blank	0L	9/15/15
SCGW367	Inside the 13th FI Decon	12X12	9/15/15
SCGW368	Outside the 13th FI Decon	12X12	9/15/15
		100000000000000000000000000000000000000	1000
	pecial Instructions:		

 $_{\text{Page}}$   $\underline{2}$  of  $\underline{2}$  pages