Chemical Group		Inorganic Compounds																	Other					
Chemical Name		Antimony	Arsenic	Asbestos	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	pH (lab)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene
Units		mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	su	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Result Type		TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Action Level																									
State-CA-ESL-ShallowSoils-DW-Res-SO, Start Da		20	0.39		750	4	12		0.33	230	80	6.7	40	150	10	20	0.78	200	600		16000	13000	2800	380	85000
Agreed Upon Action Levels			11						22																
Location Name	**Sample Name**																								
BP2	BP2-1-082313	< 1.9	4	< 1	110	< 0.39	< 0.49	38	9.7	26	7.9	0.11	< 1.9	55	< 3.9	< 0.97	< 1.9	30	48	8.07	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9
BP2	BP2-2-082313	< 1.9	< 3.8	< 1	100	< 0.38	< 0.48	43	10	37	6.6	0.19	< 1.9	55	< 3.8	< 0.96	< 1.9	35	48	7.54	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9
BP2	BP2-3-082313	< 2	4.1	< 1	130	< 0.39	< 0.49	52	10	67	9.1	0.13	< 2	66	< 3.9	< 0.98	< 2	33	52	7.55	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9
BP2	BP2-4-082313	< 1.9	5.1	< 1	150	< 0.38	< 0.48	46	11	34	7.2	0.11	< 1.9	62	< 3.8	< 0.96	< 1.9	35	50	7.8	< 5	< 5	< 5	< 5	< 5
BP2	BP2-5-082313	< 2	< 4	< 1	160	< 0.4	< 0.5	47	11	32	7.6	0.16	< 2	68	< 4	< 0.99	< 2	39	58	7.78	< 5	< 5	< 5	< 5	< 5
BP2	BP2-6-082313	< 1.9	< 3.8	< 1	140	< 0.38	< 0.48	46	10	32	8.2	0.1	< 1.9	63	< 3.8	< 0.95	< 1.9	35	60	7.81	< 5	< 5	< 5	< 5	< 5
BP2	BP2-7-082313	< 1.8	< 3.7	< 1	130	< 0.37	< 0.46	43	8.9	29	7.4	0.093	< 1.8	57	< 3.7	< 0.92	< 1.8	32	48	7.94	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9
BP2	BP2-8-082313	< 1.9	< 3.9	< 1	120	< 0.39	< 0.49	47	8.9	27	8	0.085	< 1.9	64	< 3.9	< 0.97	< 1.9	33	49	7.85	< 5	< 5	< 5	< 5	< 5
COMPOSITE-BP2	COMPOSITE-BP2-2	< 2	< 4	< 0.25	140	< 0.4	< 0.5	45	9.9	32	5.3	0.12	< 2	65	< 4	< 1	< 2	30	42	7.9	ND	ND	ND	ND	ND
COMPOSITE-BP2	COMPOSITE-BP2-3	< 1.9	4.2	< 0.25	150	< 0.37	< 0.47	43	11	30	6.6	0.12	< 1.9	64	< 3.7	< 0.93	< 1.9	35	52	8.2	ND	ND	ND	ND	ND
COMPOSITE-BP4-1	COMPOSITE-BP4-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9
COMPOSITE-BP4-2	COMPOSITE-BP4-2	< 2	< 4	< 1	130	< 0.4	< 0.5	37	8.4	40	5.6	0.12	< 2	53	< 4	< 1	< 2	30	44	8.18	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9
COMPOSITE-BP4-3	COMPOSITE-BP4-3	< 1.9	< 3.9	< 1	130	< 0.39	< 0.49	40	9.7	28	5.2	0.056	< 1.9	54	< 3.9	< 0.97	< 1.9	31	43	7.89	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9
COMPOSITE-BP4-4	COMPOSITE-BP4-4	< 1.8	< 3.7	< 1	130	< 0.37	< 0.46	36	7.8	23	5.9	0.066	< 1.8	50	< 3.7	< 0.92	< 1.8	29	39	7.85	< 5	< 5	< 5	< 5	< 5
COMPOSITE-BP4-5	COMPOSITE-BP4-5	< 2	< 4	< 1	120	< 0.4	< 0.5	39	8.7	23	5.1	0.062	< 2	58	< 4	< 0.99	< 2	29	44	7.8	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9
COMPOSTE-BP3-1	COMPOSTE-BP3-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9
COMPOSTE-BP3-2	COMPOSTE-BP3-2	< 1.9	< 3.8	< 1	120	< 0.38	< 0.48	44	9.6	26	5.6	0.071	< 1.9	57	< 3.8	< 0.96	< 1.9	32	44	7.86	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9
COMPOSTE-BP3-3	COMPOSTE-BP3-3	< 1.9	**3.9**	< 1	150	< 0.38	< 0.48	43	9.5	26	6.4	0.11	< 1.9	56	< 3.8	< 0.95	< 1.9	30	45	7.82	< 5	< 5	< 5	< 5	< 5
COMPOSTE-BP3-4	COMPOSTE-BP3-4	< 1.8	< 3.7	< 1	130	< 0.37	< 0.46	38	8.6	26	5.7	0.23	< 1.8	56	< 3.7	< 0.92	< 1.8	30	46	7.83	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9

Chemical Group		Semi-Volatile Organic Compounds (SIM)											Total		VOCs
Chemical Name		Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total Petroleum Hydrocarbons (C10-C28) DRO	Total Petroleum Hydrocarbons (C24-C36) Motor Oil	Total Petroleum Hydrocarbons (C5-C12) GRO
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	mg/kg	mg/kg	ug/kg
Result Type		TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG	TRG
Action Level															
State-CA-ESL-ShallowSoils-DW-Res-SO, Start Da		40000	27000	380	3800	110		8900	380	1200	11000		2.2	< 49	
Agreed Upon Action Levels															
Location Name	**Sample Name**														
BP2	BP2-1-082313	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 1	< 50	< 220
BP2	BP2-2-082313	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	6.1	< 4.9	< 4.9	< 4.9	< 4.9	5.5	1.9	< 50	< 250
BP2	BP2-3-082313	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	1.3	< 50	< 250
BP2	BP2-4-082313	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1.8	< 50	< 240
BP2	BP2-5-082313	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1.9	< 50	< 250
BP2	BP2-6-082313	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1.4	< 49	< 240
BP2	BP2-7-082313	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	1.1	< 50	< 250
BP2	BP2-8-082313	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	6.2	< 5	< 5	< 0.99	< 49	< 250
COMPOSITE-BP2	COMPOSITE-BP2-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 50	< 230
COMPOSITE-BP2	COMPOSITE-BP2-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.5**	< 49	< 240
COMPOSITE-BP4-1	COMPOSITE-BP4-1	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	ND	ND	ND
COMPOSITE-BP4-2	COMPOSITE-BP4-2	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	1.9	< 50	< 250
COMPOSITE-BP4-3	COMPOSITE-BP4-3	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	1.3	< 50	< 240
COMPOSITE-BP4-4	COMPOSITE-BP4-4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1.7	< 49	< 250
COMPOSITE-BP4-5	COMPOSITE-BP4-5	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	1.8	< 50	< 240
COMPOSTE-BP3-1	COMPOSTE-BP3-1	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	ND	ND	ND
COMPOSTE-BP3-2	COMPOSTE-BP3-2	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	2	< 50	< 240
COMPOSTE-BP3-3	COMPOSTE-BP3-3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**2.3**	< 49	< 240
COMPOSTE-BP3-4	COMPOSTE-BP3-4	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	1.9	< 50	< 230

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

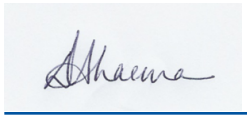
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-51599-1
Client Project/Site: Hansen

For:
Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, California 94596

Attn: Kristin Guthrie



Authorized for release by:
8/15/2013 5:30:07 PM

Dimple Sharma, Project Manager I
dimple.sharma@testamericainc.com

Table of Contents

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-51599-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-51599-1

Comments
No additional comments.

Receipt
The samples were received on 8/13/2013 3:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.7º C.

GC Semi VOA
Method 8015B: Due to the level of dilution required for the following sample, surrogate recoveries are not reported: EX7-B1(4.0) (720-51599-5), EX7-S2(2.0) (720-51599-2), (720-51599-1 MS), (720-51599-1 MSD), EX7-S1(2.0) (720-51599-1).

Method 8015B: Due to the high concentration of C10-C28, the matrix spike / matrix spike duplicate (MS/MSD) for batch 142160 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51599-1

Client Sample ID: EX7-S1(2.0) — Lab Sample ID: 720-51599-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	480		9.8		mg/Kg	10		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	1400		490		mg/Kg	10		8015B	Silica Gel Cleanup

Client Sample ID: EX7-S2(2.0) — Lab Sample ID: 720-51599-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	740		20		mg/Kg	20		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	3100		990		mg/Kg	20		8015B	Silica Gel Cleanup

Client Sample ID: EX7-S3(2.0) — Lab Sample ID: 720-51599-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	17		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	57		49		mg/Kg	1		8015B	Silica Gel Cleanup

Client Sample ID: EX7-S4(2.0) — Lab Sample ID: 720-51599-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	3.1		0.99		mg/Kg	1		8015B	Silica Gel Cleanup

Client Sample ID: EX7-B1(4.0) — Lab Sample ID: 720-51599-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	250		4.9		mg/Kg	5		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	860		250		mg/Kg	5		8015B	Silica Gel Cleanup

Client Sample ID: COMPOSITE-BP2 — Lab Sample ID: 720-51599-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.2		0.99		mg/Kg	1		8015B	Silica Gel Cleanup

This Detection Summary does not include radiochemical test results.

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51599-1

Client Sample ID: EX7-S1(2.0)
Date Collected: 08/13/13 10:05
Date Received: 08/13/13 15:00

Lab Sample ID: 720-51599-1
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	480		9.8		mg/Kg		08/13/13 21:21	08/14/13 19:02	10
Motor Oil Range Organics [C24-C36]	1400		490		mg/Kg		08/13/13 21:21	08/14/13 19:02	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*08/13/13 21:21*	*08/14/13 19:02*	*10*
p-Terphenyl	*0*	*X D*	*38 - 148*	*08/13/13 21:21*	*08/14/13 19:02*	*10*

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51599-1

Client Sample ID: EX7-S2(2.0)
Date Collected: 08/13/13 10:10
Date Received: 08/13/13 15:00

Lab Sample ID: 720-51599-2
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	740		20		mg/Kg		08/13/13 21:21	08/14/13 19:02	20
Motor Oil Range Organics [C24-C36]	3100		990		mg/Kg		08/13/13 21:21	08/14/13 19:02	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*08/13/13 21:21*	*08/14/13 19:02*	*20*
p-Terphenyl	*0*	*X D*	*38 - 148*	*08/13/13 21:21*	*08/14/13 19:02*	*20*

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51599-1

Client Sample ID: EX7-S3(2.0)
Date Collected: 08/13/13 10:15
Date Received: 08/13/13 15:00

Lab Sample ID: 720-51599-3
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	17		0.99		mg/Kg		08/13/13 21:22	08/14/13 16:59	1
Motor Oil Range Organics [C24-C36]	57		49		mg/Kg		08/13/13 21:22	08/14/13 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.5*		*0 - 1*	*08/13/13 21:22*	*08/14/13 16:59*	*1*
p-Terphenyl	*96*		*38 - 148*	*08/13/13 21:22*	*08/14/13 16:59*	*1*

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51599-1

Client Sample ID: EX7-S4(2.0)
Date Collected: 08/13/13 10:20
Date Received: 08/13/13 15:00

Lab Sample ID: 720-51599-4
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3.1**		0.99		mg/Kg		08/13/13 21:22	08/14/13 16:59	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		08/13/13 21:22	08/14/13 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.0003*		*0 - 1*	*08/13/13 21:22*	*08/14/13 16:59*	*1*
p-Terphenyl	*121*		*38 - 148*	*08/13/13 21:22*	*08/14/13 16:59*	*1*

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51599-1

Client Sample ID: EX7-B1(4.0)
Date Collected: 08/13/13 10:25
Date Received: 08/13/13 15:00

Lab Sample ID: 720-51599-5
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	250		4.9		mg/Kg		08/13/13 21:22	08/14/13 18:37	5
Motor Oil Range Organics [C24-C36]	860		250		mg/Kg		08/13/13 21:22	08/14/13 18:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*08/13/13 21:22*	*08/14/13 18:37*	*5*
p-Terphenyl	*0*	*X D*	*38 - 148*	*08/13/13 21:22*	*08/14/13 18:37*	*5*

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51599-1

Client Sample ID: COMPOSITE-BP2
Date Collected: 08/13/13 13:40
Date Received: 08/13/13 15:00

Lab Sample ID: 720-51599-10
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.2**		0.99		mg/Kg		08/13/13 21:22	08/14/13 17:24	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		08/13/13 21:22	08/14/13 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.003*		*0 - 1*	*08/13/13 21:22*	*08/14/13 17:24*	*1*
p-Terphenyl	*110*		*38 - 148*	*08/13/13 21:22*	*08/14/13 17:24*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-142160/1-A
Matrix: Solid
Analysis Batch: 142168

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 142160

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/13/13 21:21	08/14/13 19:51	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		08/13/13 21:21	08/14/13 19:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.002*		*0 - 1*	*08/13/13 21:21*	*08/14/13 19:51*	*1*
p-Terphenyl	*101*		*38 - 148*	*08/13/13 21:21*	*08/14/13 19:51*	*1*

Lab Sample ID: LCS 720-142160/2-A
Matrix: Solid
Analysis Batch: 142168

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 142160

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			82.1	58.5		mg/Kg		71	36 - 112		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*113*		*38 - 148*

Lab Sample ID: LCSD 720-142160/3-A
Matrix: Solid
Analysis Batch: 142168

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 142160

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			82.1	60.7		mg/Kg		74	36 - 112	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*114*		*38 - 148*

Lab Sample ID: 720-51599-1 MS
Matrix: Solid
Analysis Batch: 142169

Client Sample ID: EX7-S1(2.0)
Prep Type: Silica Gel Cleanup
Prep Batch: 142160

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	480		82.2	499	4	mg/Kg		28	50 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
p-Terphenyl	*0*	*X D*	*38 - 148*

Lab Sample ID: 720-51599-1 MSD
Matrix: Solid
Analysis Batch: 142169

Client Sample ID: EX7-S1(2.0)
Prep Type: Silica Gel Cleanup
Prep Batch: 142160

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	480		82.2	527	4	mg/Kg		63	50 - 150	6	30

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 720-51599-1 MSD
Matrix: Solid
Analysis Batch: 142169

Client Sample ID: EX7-S1(2.0)
Prep Type: Silica Gel Cleanup
Prep Batch: 142160

Surrogate	MSD %Recovery	MSD Qualifier	Limits
p-Terphenyl	*0*	*X D*	*38 - 148*

QC Association Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51599-1

GC Semi VOA

Prep Batch: 142160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51599-1	EX7-S1(2.0)	Silica Gel Cleanup	Solid	3546	
720-51599-1 MS	EX7-S1(2.0)	Silica Gel Cleanup	Solid	3546	
720-51599-1 MSD	EX7-S1(2.0)	Silica Gel Cleanup	Solid	3546	
720-51599-2	EX7-S2(2.0)	Silica Gel Cleanup	Solid	3546	
720-51599-3	EX7-S3(2.0)	Silica Gel Cleanup	Solid	3546	
720-51599-4	EX7-S4(2.0)	Silica Gel Cleanup	Solid	3546	
720-51599-5	EX7-B1(4.0)	Silica Gel Cleanup	Solid	3546	
720-51599-10	COMPOSITE-BP2	Silica Gel Cleanup	Solid	3546	
LCS 720-142160/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-142160/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-142160/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 142168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51599-2	EX7-S2(2.0)	Silica Gel Cleanup	Solid	8015B	142160
720-51599-4	EX7-S4(2.0)	Silica Gel Cleanup	Solid	8015B	142160
720-51599-5	EX7-B1(4.0)	Silica Gel Cleanup	Solid	8015B	142160
720-51599-10	COMPOSITE-BP2	Silica Gel Cleanup	Solid	8015B	142160
LCS 720-142160/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	142160
LCSD 720-142160/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	142160
MB 720-142160/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	142160

Analysis Batch: 142169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51599-1	EX7-S1(2.0)	Silica Gel Cleanup	Solid	8015B	142160
720-51599-1 MS	EX7-S1(2.0)	Silica Gel Cleanup	Solid	8015B	142160
720-51599-1 MSD	EX7-S1(2.0)	Silica Gel Cleanup	Solid	8015B	142160
720-51599-3	EX7-S3(2.0)	Silica Gel Cleanup	Solid	8015B	142160

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51599-1

Client Sample ID: EX7-S1(2.0)

Lab Sample ID: 720-51599-1

Date Collected: 08/13/13 10:05

Matrix: Solid

Date Received: 08/13/13 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			142160	08/13/13 21:21	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		10	142169	08/14/13 19:02	DCH	TAL PLS

Client Sample ID: EX7-S2(2.0)

Lab Sample ID: 720-51599-2

Date Collected: 08/13/13 10:10

Matrix: Solid

Date Received: 08/13/13 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			142160	08/13/13 21:21	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		20	142168	08/14/13 19:02	DCH	TAL PLS

Client Sample ID: EX7-S3(2.0)

Lab Sample ID: 720-51599-3

Date Collected: 08/13/13 10:15

Matrix: Solid

Date Received: 08/13/13 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			142160	08/13/13 21:22	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142169	08/14/13 16:59	DCH	TAL PLS

Client Sample ID: EX7-S4(2.0)

Lab Sample ID: 720-51599-4

Date Collected: 08/13/13 10:20

Matrix: Solid

Date Received: 08/13/13 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			142160	08/13/13 21:22	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142168	08/14/13 16:59	DCH	TAL PLS

Client Sample ID: EX7-B1(4.0)

Lab Sample ID: 720-51599-5

Date Collected: 08/13/13 10:25

Matrix: Solid

Date Received: 08/13/13 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			142160	08/13/13 21:22	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		5	142168	08/14/13 18:37	DCH	TAL PLS

Client Sample ID: COMPOSITE-BP2

Lab Sample ID: 720-51599-10

Date Collected: 08/13/13 13:40

Matrix: Solid

Date Received: 08/13/13 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			142160	08/13/13 21:22	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142168	08/14/13 17:24	DCH	TAL PLS

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51599-1

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51599-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51599-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51599-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-51599-1	EX7-S1(2.0)	Solid	08/13/13 10:05	08/13/13 15:00
720-51599-2	EX7-S2(2.0)	Solid	08/13/13 10:10	08/13/13 15:00
720-51599-3	EX7-S3(2.0)	Solid	08/13/13 10:15	08/13/13 15:00
720-51599-4	EX7-S4(2.0)	Solid	08/13/13 10:20	08/13/13 15:00
720-51599-5	EX7-B1(4.0)	Solid	08/13/13 10:25	08/13/13 15:00
720-51599-10	COMPOSITE-BP2	Solid	08/13/13 13:40	08/13/13 15:00

HALL & ALDRICH

Haley & Aldrich, Inc.
465 Medford St.,
Suite 2200,
Boston, MA 02129-1402

720-51599

CHAIN OF CUSTODY RECORD

147892

Phone 617) 886-7400
Fax 617) 886-7600

Page 1 of

H&A FILE NO.	B39792	LABORATORY	Test America
PROJECT NAME	Former Hanson Aggregate Facility	ADDRESS	1220 Quarry Lane, Pleasanton, CA.
H&A CONTACT	Kristin Guthrie	CONTACT	Dimple Sharma
DELIVERY DATE	8/13/13 (Tu.)		
TURNAROUND TIME	1 Day (24hr.)		
PROJECT MANAGER	Kristin & Dimple		

Sample No.	Date	Time	Depth	Type	VOA	ABNs PAH only	MCP Metals	Pesticides PCBs	VPH Full Suite C-ranges only	EPH Full Suite C-ranges only	Cr, Cam, Nigel. TPH (specify)	TCLP (specify)	Reactivity Ignitability Corrosivity	Geotech Parameters ②	Number of Containers
Ex9-S1(2.0)	8/13/13	1005	2.0	Soil							X				1
Ex9-S2(2.0)	8/13/13	1010	2.0	Soil							X				1
Ex9-S3(2.0)	8/13/13	1015	2.0	Soil							X				1
Ex9-S4(2.0)	8/13/13	1020	2.0	Soil							X				1
Ex9-B1(4.0)	8/13/13	1025	4.0	Soil							X				1
Composite-BP2	8/13/13	1340	0.5	Soil							X			X	5

Comments (special instructions, precautions, additional method numbers, etc.)

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

② - Use 5 gallon bucket sample for geotechnical analysis.

720-51599 Chain of Custody

Sampled and Relinquished by	Received by
Sign	Sign
Print David Gerhardstein	Print
Firm H&A	Firm
Date 08/13/13 Time 1500	Date Time
Relinquished by	**Received by**
Sign	Sign
Print Justin Morales	Print
Firm IAP	Firm
Date 8/13/13 Time 1500	Date Time
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date Time

LIQUID

RUSH

VOA Vial	
Amber Glass	
Plastic Bottle	
Preservative	
Volume	

SOLID

VOA Vial	bucket
Clear Glass	X
Preservative	A
Volume	902. 5gal

Sampling Comments

3.7°C

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are required, as appropriate Laboratory should (specify if applicable) _____ analyz

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE - Laboratory CANARY - Project Manager PINK - Haley & Aldrich Laboratory GOLDENROD - Haley & Aldrich Contact APRIL 2004

Form 3003

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 720-51599-1

Login Number: 51599

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Mullen, Joan

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-51739-1
Client Project/Site: Hansen

For:
Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, California 94596

Attn: Kristin Guthrie

Authorized for release by:
8/20/2013 5:10:56 PM

Dimple Sharma, Project Manager I
dimple.sharma@testamericainc.com

Table of Contents

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-51739-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-51739-1

Comments
No additional comments.

Receipt
The samples were received on 8/19/2013 4:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 7.9º C.

GC/MS VOA
No analytical or quality issues were noted.

GC VOA
No analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51739-1

Client Sample ID: EX11-SPOILS — Lab Sample ID: 720-51739-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	54		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	140		50		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	4.0		4.0		mg/Kg	4		6010B	Total/NA
Barium	130		2.0		mg/Kg	4		6010B	Total/NA
Chromium	44		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	9.9		0.79		mg/Kg	4		6010B	Total/NA
Copper	30		5.9		mg/Kg	4		6010B	Total/NA
Lead	18		2.0		mg/Kg	4		6010B	Total/NA
Nickel	63		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	30		2.0		mg/Kg	4		6010B	Total/NA
Zinc	99		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.045		0.0090		mg/Kg	1		7471A	Total/NA

Client Sample ID: EX9-SPOILS — Lab Sample ID: 720-51739-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	30		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	88		50		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	4.3		3.8		mg/Kg	4		6010B	Total/NA
Barium	180		1.9		mg/Kg	4		6010B	Total/NA
Chromium	60		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	11		0.77		mg/Kg	4		6010B	Total/NA
Copper	36		5.8		mg/Kg	4		6010B	Total/NA
Lead	34		1.9		mg/Kg	4		6010B	Total/NA
Nickel	72		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	35		1.9		mg/Kg	4		6010B	Total/NA
Zinc	69		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.060		0.0098		mg/Kg	1		7471A	Total/NA

Client Sample ID: EX10-SPOILS — Lab Sample ID: 720-51739-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	250		3.0		mg/Kg	3		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	590		150		mg/Kg	3		8015B	Silica Gel Cleanup
Arsenic	4.7		3.7		mg/Kg	4		6010B	Total/NA
Barium	230		1.9		mg/Kg	4		6010B	Total/NA
Chromium	67		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	13		0.75		mg/Kg	4		6010B	Total/NA
Copper	33		5.6		mg/Kg	4		6010B	Total/NA
Lead	20		1.9		mg/Kg	4		6010B	Total/NA
Nickel	82		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	36		1.9		mg/Kg	4		6010B	Total/NA
Zinc	71		5.6		mg/Kg	4		6010B	Total/NA
Mercury	0.044		0.0095		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51739-1

Client Sample ID: COMPOSITE-BP2-2 — Lab Sample ID: 720-51739-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	140		2.0		mg/Kg	4		6010B	Total/NA
Chromium	45		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	9.9		0.80		mg/Kg	4		6010B	Total/NA
Copper	32		6.0		mg/Kg	4		6010B	Total/NA
Lead	5.3		2.0		mg/Kg	4		6010B	Total/NA
Nickel	65		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	30		2.0		mg/Kg	4		6010B	Total/NA
Zinc	42		6.0		mg/Kg	4		6010B	Total/NA
Mercury	0.12		0.0088		mg/Kg	1		7471A	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.90		0.100		SU	1		9045C	Soluble

Client Sample ID: COMPOSITE-BP2-3 — Lab Sample ID: 720-51739-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.5		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	4.2		3.7		mg/Kg	4		6010B	Total/NA
Barium	150		1.9		mg/Kg	4		6010B	Total/NA
Chromium	43		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	11		0.75		mg/Kg	4		6010B	Total/NA
Copper	30		5.6		mg/Kg	4		6010B	Total/NA
Lead	6.6		1.9		mg/Kg	4		6010B	Total/NA
Nickel	64		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	35		1.9		mg/Kg	4		6010B	Total/NA
Zinc	52		5.6		mg/Kg	4		6010B	Total/NA
Mercury	0.12		0.0090		mg/Kg	1		7471A	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	8.20		0.100		SU	1		9045C	Soluble

This Detection Summary does not include radiochemical test results.

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51739-1

Client Sample ID: EX11-SPOILS
Date Collected: 08/19/13 13:30
Date Received: 08/19/13 16:10

Lab Sample ID: 720-51739-5
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/20/13 10:00	08/20/13 11:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*45 - 131*	*08/20/13 10:00*	*08/20/13 11:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*60 - 140*	*08/20/13 10:00*	*08/20/13 11:18*	*1*
Toluene-d8 (Surr)	*92*		*58 - 140*	*08/20/13 10:00*	*08/20/13 11:18*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**54**		0.99		mg/Kg		08/19/13 21:52	08/20/13 12:25	1
Motor Oil Range Organics [C24-C36]	**140**		50		mg/Kg		08/19/13 21:52	08/20/13 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.4*		*0 - 1*	*08/19/13 21:52*	*08/20/13 12:25*	*1*
p-Terphenyl	*69*		*38 - 148*	*08/19/13 21:52*	*08/20/13 12:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		08/19/13 23:02	08/20/13 15:38	4
Arsenic	**4.0**		4.0		mg/Kg		08/19/13 23:02	08/20/13 15:38	4
Barium	**130**		2.0		mg/Kg		08/19/13 23:02	08/20/13 15:38	4
Beryllium	ND		0.40		mg/Kg		08/19/13 23:02	08/20/13 15:38	4
Cadmium	ND		0.50		mg/Kg		08/19/13 23:02	08/20/13 15:38	4
Chromium	**44**		2.0		mg/Kg		08/19/13 23:02	08/20/13 15:38	4
Cobalt	**9.9**		0.79		mg/Kg		08/19/13 23:02	08/20/13 15:38	4
Copper	**30**		5.9		mg/Kg		08/19/13 23:02	08/20/13 15:38	4
Lead	**18**		2.0		mg/Kg		08/19/13 23:02	08/20/13 15:38	4
Molybdenum	ND		2.0		mg/Kg		08/19/13 23:02	08/20/13 15:38	4
Nickel	**63**		2.0		mg/Kg		08/19/13 23:02	08/20/13 15:38	4
Selenium	ND		4.0		mg/Kg		08/19/13 23:02	08/20/13 15:38	4
Silver	ND		0.99		mg/Kg		08/19/13 23:02	08/20/13 15:38	4
Thallium	ND		2.0		mg/Kg		08/19/13 23:02	08/20/13 15:38	4
Vanadium	**30**		2.0		mg/Kg		08/19/13 23:02	08/20/13 15:38	4
Zinc	**99**		5.9		mg/Kg		08/19/13 23:02	08/20/13 15:38	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.045**		0.0090		mg/Kg		08/19/13 21:57	08/20/13 09:40	1

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51739-1

Client Sample ID: EX9-SPOILS
Date Collected: 08/19/13 13:50
Date Received: 08/19/13 16:10

Lab Sample ID: 720-51739-10
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		08/19/13 18:46	08/20/13 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*83*		*45 - 131*	*08/19/13 18:46*	*08/20/13 00:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*	*08/19/13 18:46*	*08/20/13 00:05*	*1*
Toluene-d8 (Surr)	*92*		*58 - 140*	*08/19/13 18:46*	*08/20/13 00:05*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**30**		1.0		mg/Kg		08/19/13 21:52	08/20/13 12:31	1
Motor Oil Range Organics [C24-C36]	**88**		50		mg/Kg		08/19/13 21:52	08/20/13 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*08/19/13 21:52*	*08/20/13 12:31*	*1*
p-Terphenyl	*95*		*38 - 148*	*08/19/13 21:52*	*08/20/13 12:31*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:42	4
Arsenic	**4.3**		3.8		mg/Kg		08/19/13 23:02	08/20/13 15:42	4
Barium	**180**		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:42	4
Beryllium	ND		0.38		mg/Kg		08/19/13 23:02	08/20/13 15:42	4
Cadmium	ND		0.48		mg/Kg		08/19/13 23:02	08/20/13 15:42	4
Chromium	**60**		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:42	4
Cobalt	**11**		0.77		mg/Kg		08/19/13 23:02	08/20/13 15:42	4
Copper	**36**		5.8		mg/Kg		08/19/13 23:02	08/20/13 15:42	4
Lead	**34**		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:42	4
Molybdenum	ND		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:42	4
Nickel	**72**		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:42	4
Selenium	ND		3.8		mg/Kg		08/19/13 23:02	08/20/13 15:42	4
Silver	ND		0.96		mg/Kg		08/19/13 23:02	08/20/13 15:42	4
Thallium	ND		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:42	4
Vanadium	**35**		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:42	4
Zinc	**69**		5.8		mg/Kg		08/19/13 23:02	08/20/13 15:42	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.060**		0.0098		mg/Kg		08/19/13 21:57	08/20/13 09:43	1

Client Sample ID: EX10-SPOILS
Date Collected: 08/19/13 13:40
Date Received: 08/19/13 16:10

Lab Sample ID: 720-51739-15
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		08/19/13 18:46	08/20/13 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*76*		*45 - 131*	*08/19/13 18:46*	*08/20/13 00:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*	*08/19/13 18:46*	*08/20/13 00:33*	*1*
Toluene-d8 (Surr)	*89*		*58 - 140*	*08/19/13 18:46*	*08/20/13 00:33*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**250**		3.0		mg/Kg		08/19/13 21:52	08/20/13 13:20	3
Motor Oil Range Organics [C24-C36]	**590**		150		mg/Kg		08/19/13 21:52	08/20/13 13:20	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*08/19/13 21:52*	*08/20/13 13:20*	*3*
p-Terphenyl	*68*		*38 - 148*	*08/19/13 21:52*	*08/20/13 13:20*	*3*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:47	4
Arsenic	**4.7**		3.7		mg/Kg		08/19/13 23:02	08/20/13 15:47	4
Barium	**230**		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:47	4
Beryllium	ND		0.37		mg/Kg		08/19/13 23:02	08/20/13 15:47	4
Cadmium	ND		0.47		mg/Kg		08/19/13 23:02	08/20/13 15:47	4
Chromium	**67**		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:47	4
Cobalt	**13**		0.75		mg/Kg		08/19/13 23:02	08/20/13 15:47	4
Copper	**33**		5.6		mg/Kg		08/19/13 23:02	08/20/13 15:47	4
Lead	**20**		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:47	4
Molybdenum	ND		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:47	4
Nickel	**82**		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:47	4
Selenium	ND		3.7		mg/Kg		08/19/13 23:02	08/20/13 15:47	4
Silver	ND		0.93		mg/Kg		08/19/13 23:02	08/20/13 15:47	4
Thallium	ND		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:47	4
Vanadium	**36**		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:47	4
Zinc	**71**		5.6		mg/Kg		08/19/13 23:02	08/20/13 15:47	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.044**		0.0095		mg/Kg		08/19/13 21:57	08/20/13 09:46	1

Client Sample ID: COMPOSITE-BP2-2
Date Collected: 08/19/13 15:25
Date Received: 08/19/13 16:10

Lab Sample ID: 720-51739-20
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		08/20/13 10:00	08/20/13 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*45 - 131*	*08/20/13 10:00*	*08/20/13 11:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*60 - 140*	*08/20/13 10:00*	*08/20/13 11:47*	*1*
Toluene-d8 (Surr)	*91*		*58 - 140*	*08/20/13 10:00*	*08/20/13 11:47*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		08/19/13 21:52	08/20/13 12:31	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/19/13 21:52	08/20/13 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.005*		*0 - 1*	*08/19/13 21:52*	*08/20/13 12:31*	*1*
p-Terphenyl	*90*		*38 - 148*	*08/19/13 21:52*	*08/20/13 12:31*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		08/19/13 23:02	08/20/13 15:51	4
Arsenic	ND		4.0		mg/Kg		08/19/13 23:02	08/20/13 15:51	4
Barium	**140**		2.0		mg/Kg		08/19/13 23:02	08/20/13 15:51	4
Beryllium	ND		0.40		mg/Kg		08/19/13 23:02	08/20/13 15:51	4
Cadmium	ND		0.50		mg/Kg		08/19/13 23:02	08/20/13 15:51	4
Chromium	**45**		2.0		mg/Kg		08/19/13 23:02	08/20/13 15:51	4
Cobalt	**9.9**		0.80		mg/Kg		08/19/13 23:02	08/20/13 15:51	4
Copper	**32**		6.0		mg/Kg		08/19/13 23:02	08/20/13 15:51	4
Lead	**5.3**		2.0		mg/Kg		08/19/13 23:02	08/20/13 15:51	4
Molybdenum	ND		2.0		mg/Kg		08/19/13 23:02	08/20/13 15:51	4
Nickel	**65**		2.0		mg/Kg		08/19/13 23:02	08/20/13 15:51	4
Selenium	ND		4.0		mg/Kg		08/19/13 23:02	08/20/13 15:51	4
Silver	ND		1.0		mg/Kg		08/19/13 23:02	08/20/13 15:51	4
Thallium	ND		2.0		mg/Kg		08/19/13 23:02	08/20/13 15:51	4
Vanadium	**30**		2.0		mg/Kg		08/19/13 23:02	08/20/13 15:51	4
Zinc	**42**		6.0		mg/Kg		08/19/13 23:02	08/20/13 15:51	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**		0.0088		mg/Kg		08/19/13 21:57	08/20/13 09:48	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.90**		0.100		SU			08/20/13 11:16	1

Client Sample ID: COMPOSITE-BP2-3
Date Collected: 08/19/13 15:40
Date Received: 08/19/13 16:10

Lab Sample ID: 720-51739-25
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		08/19/13 18:46	08/20/13 01:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*79*		*45 - 131*	*08/19/13 18:46*	*08/20/13 01:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*60 - 140*	*08/19/13 18:46*	*08/20/13 01:31*	*1*
Toluene-d8 (Surr)	*92*		*58 - 140*	*08/19/13 18:46*	*08/20/13 01:31*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.5**		0.99		mg/Kg		08/19/13 21:52	08/20/13 12:55	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		08/19/13 21:52	08/20/13 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.003*		*0 - 1*	*08/19/13 21:52*	*08/20/13 12:55*	*1*
p-Terphenyl	*88*		*38 - 148*	*08/19/13 21:52*	*08/20/13 12:55*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:56	4
Arsenic	**4.2**		3.7		mg/Kg		08/19/13 23:02	08/20/13 15:56	4
Barium	**150**		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:56	4
Beryllium	ND		0.37		mg/Kg		08/19/13 23:02	08/20/13 15:56	4
Cadmium	ND		0.47		mg/Kg		08/19/13 23:02	08/20/13 15:56	4
Chromium	**43**		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:56	4
Cobalt	**11**		0.75		mg/Kg		08/19/13 23:02	08/20/13 15:56	4
Copper	**30**		5.6		mg/Kg		08/19/13 23:02	08/20/13 15:56	4
Lead	**6.6**		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:56	4
Molybdenum	ND		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:56	4
Nickel	**64**		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:56	4
Selenium	ND		3.7		mg/Kg		08/19/13 23:02	08/20/13 15:56	4
Silver	ND		0.93		mg/Kg		08/19/13 23:02	08/20/13 15:56	4
Thallium	ND		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:56	4
Vanadium	**35**		1.9		mg/Kg		08/19/13 23:02	08/20/13 15:56	4
Zinc	**52**		5.6		mg/Kg		08/19/13 23:02	08/20/13 15:56	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**		0.0090		mg/Kg		08/19/13 21:57	08/20/13 09:51	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.20**		0.100		SU			08/20/13 11:18	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-142519/6
Matrix: Solid
Analysis Batch: 142519

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			08/19/13 17:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*45 - 131*		*08/19/13 17:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*60 - 140*		*08/19/13 17:25*	*1*
Toluene-d8 (Surr)	*93*		*58 - 140*		*08/19/13 17:25*	*1*

Lab Sample ID: LCS 720-142519/9
Matrix: Solid
Analysis Batch: 142519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C5-C12			1000	950		ug/Kg		95	61 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*92*		*60 - 140*
Toluene-d8 (Surr)	*98*		*58 - 140*

Lab Sample ID: LCSD 720-142519/10
Matrix: Solid
Analysis Batch: 142519

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	958		ug/Kg		96	61 - 128	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*
Toluene-d8 (Surr)	*97*		*58 - 140*

Lab Sample ID: MB 720-142553/5
Matrix: Solid
Analysis Batch: 142553

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			08/20/13 08:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*45 - 131*		*08/20/13 08:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*		*08/20/13 08:40*	*1*
Toluene-d8 (Surr)	*94*		*58 - 140*		*08/20/13 08:40*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-142553/8
Matrix: Solid
Analysis Batch: 142553

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C5-C12			1000	946		ug/Kg		95	61 - 128		

Lab Sample ID: LCSD 720-142553/9
Matrix: Solid
Analysis Batch: 142553

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	926		ug/Kg		93	61 - 128	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*98*		*60 - 140*
Toluene-d8 (Surr)	*98*		*58 - 140*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-142545/1-A
Matrix: Solid
Analysis Batch: 142557

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 142545

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		08/19/13 21:52	08/20/13 13:23	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/19/13 21:52	08/20/13 13:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 1*	*08/19/13 21:52*	*08/20/13 13:23*	*1*
p-Terphenyl	*100*		*38 - 148*	*08/19/13 21:52*	*08/20/13 13:23*	*1*

Lab Sample ID: LCS 720-142545/2-A
Matrix: Solid
Analysis Batch: 142557

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 142545

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			82.2	61.9		mg/Kg		75	36 - 112		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*103*		*38 - 148*

Lab Sample ID: LCSD 720-142545/3-A
Matrix: Solid
Analysis Batch: 142557

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 142545

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			82.2	67.4		mg/Kg		82	36 - 112	8	35

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 720-142545/3-A
Matrix: Solid
Analysis Batch: 142557

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 142545

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*101*		*38 - 148*

Lab Sample ID: 720-51739-5 MS
Matrix: Solid
Analysis Batch: 142558

Client Sample ID: EX11-SPOILS
Prep Type: Silica Gel Cleanup
Prep Batch: 142545

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	54		82.1	137		mg/Kg		101	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
p-Terphenyl	*88*		*38 - 148*

Lab Sample ID: 720-51739-5 MSD
Matrix: Solid
Analysis Batch: 142558

Client Sample ID: EX11-SPOILS
Prep Type: Silica Gel Cleanup
Prep Batch: 142545

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	54		82.0	163		mg/Kg		133	50 - 150	17	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
p-Terphenyl	*81*		*38 - 148*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-142549/1-A
Matrix: Solid
Analysis Batch: 142620

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		08/19/13 23:02	08/20/13 14:23	1
Arsenic	ND		1.0		mg/Kg		08/19/13 23:02	08/20/13 14:23	1
Barium	ND		0.50		mg/Kg		08/19/13 23:02	08/20/13 14:23	1
Beryllium	ND		0.10		mg/Kg		08/19/13 23:02	08/20/13 14:23	1
Cadmium	ND		0.13		mg/Kg		08/19/13 23:02	08/20/13 14:23	1
Chromium	ND		0.50		mg/Kg		08/19/13 23:02	08/20/13 14:23	1
Cobalt	ND		0.20		mg/Kg		08/19/13 23:02	08/20/13 14:23	1
Copper	ND		1.5		mg/Kg		08/19/13 23:02	08/20/13 14:23	1
Lead	ND		0.50		mg/Kg		08/19/13 23:02	08/20/13 14:23	1
Molybdenum	ND		0.50		mg/Kg		08/19/13 23:02	08/20/13 14:23	1
Nickel	ND		0.50		mg/Kg		08/19/13 23:02	08/20/13 14:23	1
Selenium	ND		1.0		mg/Kg		08/19/13 23:02	08/20/13 14:23	1
Silver	ND		0.25		mg/Kg		08/19/13 23:02	08/20/13 14:23	1
Thallium	ND		0.50		mg/Kg		08/19/13 23:02	08/20/13 14:23	1
Vanadium	ND		0.50		mg/Kg		08/19/13 23:02	08/20/13 14:23	1
Zinc	ND		1.5		mg/Kg		08/19/13 23:02	08/20/13 14:23	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 720-142549/2-A
Matrix: Solid
Analysis Batch: 142620

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142549

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	47.0		mg/Kg		94	80 - 120
Arsenic	50.0	45.4		mg/Kg		91	80 - 120
Barium	50.0	52.0		mg/Kg		104	80 - 120
Beryllium	50.0	48.2		mg/Kg		96	80 - 120
Cadmium	50.0	49.2		mg/Kg		98	80 - 120
Chromium	50.0	49.4		mg/Kg		99	80 - 120
Cobalt	50.0	51.3		mg/Kg		103	80 - 120
Copper	50.0	48.3		mg/Kg		97	80 - 120
Lead	50.0	47.2		mg/Kg		94	80 - 120
Molybdenum	50.0	47.4		mg/Kg		95	80 - 120
Nickel	50.0	49.0		mg/Kg		98	80 - 120
Selenium	50.0	44.2		mg/Kg		88	80 - 120
Silver	25.0	24.5		mg/Kg		98	80 - 120
Thallium	50.0	47.0		mg/Kg		94	80 - 120
Vanadium	50.0	46.7		mg/Kg		93	80 - 120
Zinc	50.0	45.4		mg/Kg		91	80 - 120

Lab Sample ID: LCSD 720-142549/3-A
Matrix: Solid
Analysis Batch: 142620

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142549

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	46.8		mg/Kg		94	80 - 120	1	20
Arsenic	50.0	44.8		mg/Kg		90	80 - 120	1	20
Barium	50.0	50.9		mg/Kg		102	80 - 120	2	20
Beryllium	50.0	47.4		mg/Kg		95	80 - 120	2	20
Cadmium	50.0	48.4		mg/Kg		97	80 - 120	2	20
Chromium	50.0	48.6		mg/Kg		97	80 - 120	2	20
Cobalt	50.0	50.4		mg/Kg		101	80 - 120	2	20
Copper	50.0	47.8		mg/Kg		96	80 - 120	1	20
Lead	50.0	46.4		mg/Kg		93	80 - 120	2	20
Molybdenum	50.0	46.8		mg/Kg		94	80 - 120	1	20
Nickel	50.0	48.2		mg/Kg		96	80 - 120	2	20
Selenium	50.0	43.7		mg/Kg		87	80 - 120	1	20
Silver	25.0	24.3		mg/Kg		97	80 - 120	1	20
Thallium	50.0	46.4		mg/Kg		93	80 - 120	1	20
Vanadium	50.0	46.1		mg/Kg		92	80 - 120	1	20
Zinc	50.0	44.9		mg/Kg		90	80 - 120	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-142546/1-A
Matrix: Solid
Analysis Batch: 142578

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142546

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		08/19/13 21:57	08/20/13 09:26	1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 720-142546/2-A
Matrix: Solid
Analysis Batch: 142578

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142546

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.833	0.892		mg/Kg		107	80 - 120		

Lab Sample ID: LCSD 720-142546/3-A
Matrix: Solid
Analysis Batch: 142578

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142546

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.833	0.883		mg/Kg		106	80 - 120	1	20

Lab Sample ID: 720-51739-5 MS
Matrix: Solid
Analysis Batch: 142578

Client Sample ID: EX11-SPOILS
Prep Type: Total/NA
Prep Batch: 142546

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.045		0.758	0.962		mg/Kg		121	75 - 125		

Lab Sample ID: 720-51739-5 MSD
Matrix: Solid
Analysis Batch: 142578

Client Sample ID: EX11-SPOILS
Prep Type: Total/NA
Prep Batch: 142546

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.045		0.758	0.932		mg/Kg		117	75 - 125	3	20

Method: 9045C - pH

Lab Sample ID: LCS 720-142576/1
Matrix: Solid
Analysis Batch: 142576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			7.00	6.930		SU		99	99 - 101		

Lab Sample ID: 720-51739-20 DU
Matrix: Solid
Analysis Batch: 142576

Client Sample ID: COMPOSITE-BP2-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.90			7.950		SU				0.6	20

GC/MS VOA

Analysis Batch: 142519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51739-10	EX9-SPOILS	Total/NA	Solid	8260B/CA_LUFT MS	142532
720-51739-15	EX10-SPOILS	Total/NA	Solid	8260B/CA_LUFT MS	142532
720-51739-25	COMPOSITE-BP2-3	Total/NA	Solid	8260B/CA_LUFT MS	142532
LCS 720-142519/9	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-142519/10	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-142519/6	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 142532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51739-10	EX9-SPOILS	Total/NA	Solid	5030B	
720-51739-15	EX10-SPOILS	Total/NA	Solid	5030B	
720-51739-25	COMPOSITE-BP2-3	Total/NA	Solid	5030B	

Analysis Batch: 142553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51739-5	EX11-SPOILS	Total/NA	Solid	8260B/CA_LUFT MS	142591
720-51739-20	COMPOSITE-BP2-2	Total/NA	Solid	8260B/CA_LUFT MS	142591
LCS 720-142553/8	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-142553/9	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-142553/5	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 142591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51739-5	EX11-SPOILS	Total/NA	Solid	5030B	
720-51739-20	COMPOSITE-BP2-2	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 142545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51739-5	EX11-SPOILS	Silica Gel Cleanup	Solid	3546	
720-51739-5 MS	EX11-SPOILS	Silica Gel Cleanup	Solid	3546	
720-51739-5 MSD	EX11-SPOILS	Silica Gel Cleanup	Solid	3546	
720-51739-10	EX9-SPOILS	Silica Gel Cleanup	Solid	3546	
720-51739-15	EX10-SPOILS	Silica Gel Cleanup	Solid	3546	
720-51739-20	COMPOSITE-BP2-2	Silica Gel Cleanup	Solid	3546	
720-51739-25	COMPOSITE-BP2-3	Silica Gel Cleanup	Solid	3546	
LCS 720-142545/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-142545/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-142545/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

GC Semi VOA (Continued)

Analysis Batch: 142554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51739-10	EX9-SPOILS	Silica Gel Cleanup	Solid	8015B	142545

Analysis Batch: 142555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51739-15	EX10-SPOILS	Silica Gel Cleanup	Solid	8015B	142545
720-51739-20	COMPOSITE-BP2-2	Silica Gel Cleanup	Solid	8015B	142545
720-51739-25	COMPOSITE-BP2-3	Silica Gel Cleanup	Solid	8015B	142545

Analysis Batch: 142557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-142545/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	142545
LCSD 720-142545/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	142545
MB 720-142545/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	142545

Analysis Batch: 142558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51739-5	EX11-SPOILS	Silica Gel Cleanup	Solid	8015B	142545
720-51739-5 MS	EX11-SPOILS	Silica Gel Cleanup	Solid	8015B	142545
720-51739-5 MSD	EX11-SPOILS	Silica Gel Cleanup	Solid	8015B	142545

Metals

Prep Batch: 142546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51739-5	EX11-SPOILS	Total/NA	Solid	7471A	
720-51739-5 MS	EX11-SPOILS	Total/NA	Solid	7471A	
720-51739-5 MSD	EX11-SPOILS	Total/NA	Solid	7471A	
720-51739-10	EX9-SPOILS	Total/NA	Solid	7471A	
720-51739-15	EX10-SPOILS	Total/NA	Solid	7471A	
720-51739-20	COMPOSITE-BP2-2	Total/NA	Solid	7471A	
720-51739-25	COMPOSITE-BP2-3	Total/NA	Solid	7471A	
LCS 720-142546/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-142546/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-142546/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 142549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51739-5	EX11-SPOILS	Total/NA	Solid	3050B	
720-51739-10	EX9-SPOILS	Total/NA	Solid	3050B	
720-51739-15	EX10-SPOILS	Total/NA	Solid	3050B	
720-51739-20	COMPOSITE-BP2-2	Total/NA	Solid	3050B	
720-51739-25	COMPOSITE-BP2-3	Total/NA	Solid	3050B	
LCS 720-142549/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-142549/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
MB 720-142549/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 142578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51739-5	EX11-SPOILS	Total/NA	Solid	7471A	142546
720-51739-5 MS	EX11-SPOILS	Total/NA	Solid	7471A	142546

Metals (Continued)

Analysis Batch: 142578 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51739-5 MSD	EX11-SPOILS	Total/NA	Solid	7471A	142546
720-51739-10	EX9-SPOILS	Total/NA	Solid	7471A	142546
720-51739-15	EX10-SPOILS	Total/NA	Solid	7471A	142546
720-51739-20	COMPOSITE-BP2-2	Total/NA	Solid	7471A	142546
720-51739-25	COMPOSITE-BP2-3	Total/NA	Solid	7471A	142546
LCS 720-142546/2-A	Lab Control Sample	Total/NA	Solid	7471A	142546
LCSD 720-142546/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	142546
MB 720-142546/1-A	Method Blank	Total/NA	Solid	7471A	142546

Analysis Batch: 142620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51739-5	EX11-SPOILS	Total/NA	Solid	6010B	142549
720-51739-10	EX9-SPOILS	Total/NA	Solid	6010B	142549
720-51739-15	EX10-SPOILS	Total/NA	Solid	6010B	142549
720-51739-20	COMPOSITE-BP2-2	Total/NA	Solid	6010B	142549
720-51739-25	COMPOSITE-BP2-3	Total/NA	Solid	6010B	142549
LCS 720-142549/2-A	Lab Control Sample	Total/NA	Solid	6010B	142549
LCSD 720-142549/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	142549
MB 720-142549/1-A	Method Blank	Total/NA	Solid	6010B	142549

General Chemistry

Leach Batch: 142568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51739-20	COMPOSITE-BP2-2	Soluble	Solid	DI Leach	
720-51739-20 DU	COMPOSITE-BP2-2	Soluble	Solid	DI Leach	
720-51739-25	COMPOSITE-BP2-3	Soluble	Solid	DI Leach	

Analysis Batch: 142576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51739-20	COMPOSITE-BP2-2	Soluble	Solid	9045C	142568
720-51739-20 DU	COMPOSITE-BP2-2	Soluble	Solid	9045C	142568
720-51739-25	COMPOSITE-BP2-3	Soluble	Solid	9045C	142568
LCS 720-142576/1	Lab Control Sample	Total/NA	Solid	9045C	

Client Sample ID: EX11-SPOILS

Lab Sample ID: 720-51739-5

Date Collected: 08/19/13 13:30

Matrix: Solid

Date Received: 08/19/13 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142591	08/20/13 10:00	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142553	08/20/13 11:18	PDR	TAL PLS
Silica Gel Cleanup	Prep	3546			142545	08/19/13 21:52	DBT	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142558	08/20/13 12:25	DCH	TAL PLS
Total/NA	Prep	7471A			142546	08/19/13 21:57	CTD	TAL PLS
Total/NA	Analysis	7471A		1	142578	08/20/13 09:40	EFH	TAL PLS
Total/NA	Prep	3050B			142549	08/19/13 23:02	CTD	TAL PLS
Total/NA	Analysis	6010B		4	142620	08/20/13 15:38	EFH	TAL PLS

Client Sample ID: EX9-SPOILS

Lab Sample ID: 720-51739-10

Date Collected: 08/19/13 13:50

Matrix: Solid

Date Received: 08/19/13 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142532	08/19/13 18:46	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142519	08/20/13 00:05	ASC	TAL PLS
Silica Gel Cleanup	Prep	3546			142545	08/19/13 21:52	DBT	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142554	08/20/13 12:31	DCH	TAL PLS
Total/NA	Prep	7471A			142546	08/19/13 21:57	CTD	TAL PLS
Total/NA	Analysis	7471A		1	142578	08/20/13 09:43	EFH	TAL PLS
Total/NA	Prep	3050B			142549	08/19/13 23:02	CTD	TAL PLS
Total/NA	Analysis	6010B		4	142620	08/20/13 15:42	EFH	TAL PLS

Client Sample ID: EX10-SPOILS

Lab Sample ID: 720-51739-15

Date Collected: 08/19/13 13:40

Matrix: Solid

Date Received: 08/19/13 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142532	08/19/13 18:46	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142519	08/20/13 00:33	ASC	TAL PLS
Silica Gel Cleanup	Prep	3546			142545	08/19/13 21:52	DBT	TAL PLS
Silica Gel Cleanup	Analysis	8015B		3	142555	08/20/13 13:20	DCH	TAL PLS
Total/NA	Prep	7471A			142546	08/19/13 21:57	CTD	TAL PLS
Total/NA	Analysis	7471A		1	142578	08/20/13 09:46	EFH	TAL PLS
Total/NA	Prep	3050B			142549	08/19/13 23:02	CTD	TAL PLS
Total/NA	Analysis	6010B		4	142620	08/20/13 15:47	EFH	TAL PLS

Client Sample ID: COMPOSITE-BP2-2

Lab Sample ID: 720-51739-20

Date Collected: 08/19/13 15:25

Matrix: Solid

Date Received: 08/19/13 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142591	08/20/13 10:00	PDR	TAL PLS

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51739-1

Client Sample ID: COMPOSITE-BP2-2

Lab Sample ID: 720-51739-20

Date Collected: 08/19/13 15:25

Matrix: Solid

Date Received: 08/19/13 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	142553	08/20/13 11:47	PDR	TAL PLS
Silica Gel Cleanup	Prep	3546			142545	08/19/13 21:52	DBT	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142555	08/20/13 12:31	DCH	TAL PLS
Total/NA	Prep	7471A			142546	08/19/13 21:57	CTD	TAL PLS
Total/NA	Analysis	7471A		1	142578	08/20/13 09:48	EFH	TAL PLS
Total/NA	Prep	3050B			142549	08/19/13 23:02	CTD	TAL PLS
Total/NA	Analysis	6010B		4	142620	08/20/13 15:51	EFH	TAL PLS
Soluble	Leach	DI Leach			142568	08/20/13 09:07	MJK	TAL PLS
Soluble	Analysis	9045C		1	142576	08/20/13 11:16	MJK	TAL PLS

Client Sample ID: COMPOSITE-BP2-3

Lab Sample ID: 720-51739-25

Date Collected: 08/19/13 15:40

Matrix: Solid

Date Received: 08/19/13 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142532	08/19/13 18:46	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142519	08/20/13 01:31	ASC	TAL PLS
Silica Gel Cleanup	Prep	3546			142545	08/19/13 21:52	DBT	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142555	08/20/13 12:55	DCH	TAL PLS
Total/NA	Prep	7471A			142546	08/19/13 21:57	CTD	TAL PLS
Total/NA	Analysis	7471A		1	142578	08/20/13 09:51	EFH	TAL PLS
Total/NA	Prep	3050B			142549	08/19/13 23:02	CTD	TAL PLS
Total/NA	Analysis	6010B		4	142620	08/20/13 15:56	EFH	TAL PLS
Soluble	Leach	DI Leach			142568	08/20/13 09:07	MJK	TAL PLS
Soluble	Analysis	9045C		1	142576	08/20/13 11:18	MJK	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51739-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51739-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS
9045C	pH	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51739-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-51739-5	EX11-SPOILS	Solid	08/19/13 13:30	08/19/13 16:10
720-51739-10	EX9-SPOILS	Solid	08/19/13 13:50	08/19/13 16:10
720-51739-15	EX10-SPOILS	Solid	08/19/13 13:40	08/19/13 16:10
720-51739-20	COMPOSITE-BP2-2	Solid	08/19/13 15:25	08/19/13 16:10
720-51739-25	COMPOSITE-BP2-3	Solid	08/19/13 15:40	08/19/13 16:10

720-51739 JC

1490258

CHAIN OF CUSTODY RECORD

HALEY & ALDRICH

Haley & Aldrich, Inc.
2033 N. Main St, Ste 309
Walnut Creek, CA 94596-7260

Phone (925) 949-1012
Fax (925) 979-1456

Page 1 of 1

H&A FILE NO.	39792-	LABORATORY	Test America, Pleasanton, Ca	DELIVERY DATE	
PROJECT NAME	Former Hanson Aggregate Facility	ADDRESS	1200 Quarry Lane, 94566	TURNAROUND TIME	24- hour
H&A CONTACT	J. Sebik, R Brownsberger 925-357-7355	CONTACT	Dimple Sharma	PROJECT MANAGER	K. Guthrie, J Schwartz

Sample No.	Date	Time	Depth	Type	TPH-d/mo by 8015B with silica gel cleanup	Naphthalene ONLY by 8270C SIM	Proctor Test (Compaction Curve)	CAM17 metals	TPH-g	pH by 9040	VOCs	SVOCs	Asbestos by CARB 435			Number of Containers
EX11-Spoils	8/19/13	1330	—	S	X			X	X							4
EX9- Spoils		1350	—	S	X			X	X							4
EX10- Spoils		1340	—	S	X			X	X							4
Composite-BPZ-2		1525	—	S	X			X	X	X			X			4
Composite- BPZ-3		1540	—	S	X			X	X	X			X			4

Comments (special instructions, precautions, additional method numbers, etc.)

Composite 4 8oz jars of each sample in lab.

RUSH

JS 8/19/13

Sampled and Relinquished by	Received by
Sign	Sign
Print JOANNA SEBIK	Print T. Bullock
Firm Haley & Aldrich	Firm Test America
Date 8/19/13 Time 1610	Date 8/19/13 Time 16:10
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date Time
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date Time

LIQUID	
	VOA Vial
	Amber Glass
	Plastic Bottle
	Preservative
	Volume

SOLID	
	VOA Vial
	Amber Glass
X	Clear Glass
A	Preservative
8oz	Volume

PRESERVATION KEY			
A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Sampling Comments

Archive all samples after analysis

720-51739 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are required, as appropriate. Laboratory should (specify if applicable) _____ analyz

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

7.9°C = 4HRS

September 2012

Form 3003

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 720-51739-1

Login Number: 51739

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Bullock, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

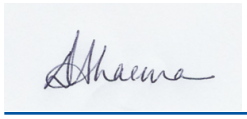
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-51739-2
Client Project/Site: Hansen

For:
Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, California 94596

Attn: Kristin Guthrie

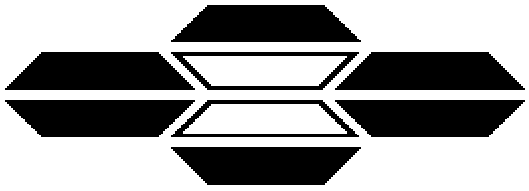


Authorized for release by:
8/23/2013 2:31:45 PM

Dimple Sharma, Project Manager I
dimple.sharma@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



ASBESTOS TEM LABORATORIES, INC.

CARB Method 435
Polarized Light Microscopy
Analytical Report

Laboratory Job # 1283-00263

630 Bancroft Way
Berkeley, CA 94710
(510) 704-8930
FAX (510) 704-8429

TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Phone (925) 484-1919 Fax (925) 600-3002

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Sharma, Dimple	Carrier Tracking No(s):	COC No: 720-18765.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: dimple.sharma@testamericainc.com		Page: Page 1 of 1
Company: Asbestos TEM Laboratories, Inc.		Analysis Requested		Job #: 720-51739-2
Address: 630 BANCROFT WAY,	Due Date Requested: 8/23/2013			Preservation Codes:
City: Berkeley	TAT Requested (days): **RUSH**			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: CA, 94710				
Phone:	PO #:			
Email:	WO #:			Other:
Project Name: Hansen	Project #: 72008096			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT/ Asbestos CARB 435	Total Number of containers	Special Instructions/Note:
COMPOSITE-BP2-2 (720-51739-20)	8/19/13	15:25 Pacific		Solid				X	1	
COMPOSITE-BP2-3 (720-51739-25)	8/19/13	15:40 Pacific		Solid				X	1	

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		8.20.13 0841	TA		08-20-13 A08:41	IN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

ASBESTOS TEM LABORATORIES, INC

CA DPH ELAP
Lab No. 1866

NVLAP Lab Code: 101891-0
Berkeley, CA

Aug/23/2013

Dimple Sharma
Test America San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

RE: LABORATORY JOB # 1283-00263
Polarized light microscopy analytical results for 2 bulk sample(s).
Job Site: 720-51739-2
Job No.: Hansen

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with the California Air Resources Board (ARB) Method 435 for the determination of asbestos in serpentine aggregate samples.

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Sample preparation follows a standard CARB 435 prep method. The entire sample is dried at 135-150 C and then crushed to ~3/8" gravel size using a Bico Chipmunk crusher. If the submitted sample is >1 pint, the sample was split using a 1/2" riffle splitter following ASTM Method C-702-98 to obtain a 1 pint aliquot. The entire 1 pint aliquot, or entire original sample, is then pulverized in a Bico Braun disc pulverizer calibrated to produce a nominal 200 mesh final product. If necessary, additional homogenization steps are undertaken using a 3/8" riffle splitter. Small aliquots are collected from throughout the pulverized material to create three separate microsope slide mounts containing the appropriate refractive index oil. The prepared slides are placed under a polarizing light microscope where standard mineralogical techniques are used to analyze the various materials present, including asbestos. If asbestos is identified and of less than 10% concentration by visual area estimate then an additional five sample mounts are prepared. Quantification of asbestos concentration is obtained using the standard CAL ARB Method 435 point count protocol. For samples observed to contain visible asbestos of less than 10% concentration, a point counting techinique is used with 50 points counted on each of eight sample mounts for a total of 400 points. The data is then compiled into standard report format and subjected to a thorough quality assurance check before the information is released to the client.

While the CARB 435 method has much to commend it, there are a number of situations where it fails to provide sufficient accuracy to make a definitive determination of the presence/absence of asbestos and/or an accurate count of the asbestos concentration present in a given sample. These problems include, but are not limited to, 1) statistical uncertainty with samples containing <1% asbestos when too few particles are counted, 2) definitive identification and discrimination between various fibrous amphibole minerals such as tremolite/actinolite/hornblende and the "Libby amphiboles" such as tremolite/winchite/richterite/arfvedsonite, and C) small asbestiform fibers which are near or below the resolution limit of the PLM microscope such as those found in various California coast range serpentine bodies. In these cases, further analysis by transmission electron microscopy is recommended to obtain a more accurate result.

Sincerely Yours,

Lab Manager
ASBESTOS TEM LABORATORIES, INC.

POLARIZED LIGHT MICROSCOPY
CARB 435 ANALYTICAL REPORT

Contact: Dimple Sharma

Address: Test America San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Samples Submitted: 2

Samples Analyzed: 2

Job Site / No. Hansen
720-51739-2

Report No. **320006**
Date Submitted: Aug-20-13
Date Reported: Aug-23-13

SAMPLE ID	POINTS COUNTED	ASBESTOS %	ASBESTOS TYPE	LOCATION / DESCRIPTION
720-51739-20		**<0.25%**	**None Detected**	COMPOSITE-BP2-2
Lab ID # 1283-00263-001	**400** - Total Points			No Point Count Performed - ARB Exception I
720-51739-25		**<0.25%**	**None Detected**	COMPOSITE-BP2-3
Lab ID # 1283-00263-002	**400** - Total Points			No Point Count Performed - ARB Exception I
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			

QC Reviewer _____ **Analyst** _____

720-51739 JC

1490258

CHAIN OF CUSTODY RECORD

HALEY & ALDRICH

Haley & Aldrich, Inc.
2033 N. Main St, Ste 309
Walnut Creek, CA 94596-7260

Phone (925) 949-1012
Fax (925) 979-1456

Page 1 of 1

H&A FILE NO.	39792-	LABORATORY	Test America, Pleasanton, Ca
PROJECT NAME	Former Hanson Aggregate Facility	ADDRESS	1200 Quarry Lane, 94566
H&A CONTACT	J. Sebik, R Brownsberger 925-357-7355	CONTACT	Dimple Sharma

DELIVERY DATE
TURNAROUND TIME 24- hour
PROJECT MANAGER K. Guthrie, J Schwartz

Sample No.	Date	Time	Depth	Type	TPH-d/mo by 8015B with silica gel cleanup	Naphthalene ONLY by 8270C SIM	Proctor Test (Compaction Curve)	CAM17 metals	TPH-g	pH by 9040	VOCs	SVOCs	Asbestos by CARB 435			Number of Containers
EX11-Spoils	8/19/13	1330	—	S	X			X	X							4
EX9- Spoils		1350	—	S	X			X	X							4
EX10- Spoils		1340	—	S	X			X	X							4
Composite-BPZ-2		1525	—	S	X			X	X	X			X			4
Composite- BPZ-3		1540	—	S	X			X	X	X			X			4

JS 8/19/13

Comments (special instructions, precautions, additional method numbers, etc.)

Composite 4 8oz jars of each sample in lab.

RUSH

Sampled and Relinquished by	Received by
Sign	Sign
Print JOANNA SEBIK	Print T. Bullock
Firm Haley & Aldrich	Firm Test America
Date 8/19/13 Time 1610	Date 8/19/13 Time 16:10
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date Time
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date Time

	LIQUID	SOLID
VOA Vial		
Amber Glass		
Plastic Bottle		
Preservative		
Volume		
X		Clear Glass
A		Preservative
8oz		8oz 8oz

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Sampling Comments

Archive all samples after analysis

720-51739 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are required, as appropriate. Laboratory should (specify if applicable) _____ analyz

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

7.9°C = 4HRS

September 2012

Form 3003

Page 6 of 7

8/23/2013

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 720-51739-2

Login Number: 51739

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Bullock, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

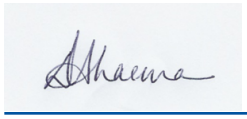
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-51795-1
Client Project/Site: Hansen

For:
Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, California 94596

Attn: Kristin Guthrie



Authorized for release by:
8/23/2013 5:42:50 PM

Dimple Sharma, Project Manager I
dimple.sharma@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-51795-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-51795-1

Comments
No additional comments.

Receipt
The samples were received on 8/20/2013 5:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 5.1° C.

GC/MS VOA
No analytical or quality issues were noted.

GC VOA
No analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-1

Client Sample ID: COMPOSITE-BP4-1

Lab Sample ID: 720-51795-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	6.2		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	4.0		3.7		mg/Kg	4		6010B	Total/NA
Barium	140		1.9		mg/Kg	4		6010B	Total/NA
Chromium	40		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	11		0.75		mg/Kg	4		6010B	Total/NA
Copper	34		5.6		mg/Kg	4		6010B	Total/NA
Lead	6.7		1.9		mg/Kg	4		6010B	Total/NA
Nickel	58		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	33		1.9		mg/Kg	4		6010B	Total/NA
Zinc	49		5.6		mg/Kg	4		6010B	Total/NA
Mercury	0.10		0.0086		mg/Kg	1		7471A	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.87		0.100		SU	1		9045C	Soluble

Client Sample ID: COMPOSTE-BP3-1

Lab Sample ID: 720-51795-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	4.9		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Barium	130		1.9		mg/Kg	4		6010B	Total/NA
Chromium	46		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	10		0.78		mg/Kg	4		6010B	Total/NA
Copper	32		5.8		mg/Kg	4		6010B	Total/NA
Lead	7.0		1.9		mg/Kg	4		6010B	Total/NA
Nickel	61		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	35		1.9		mg/Kg	4		6010B	Total/NA
Zinc	54		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.072		0.0091		mg/Kg	1		7471A	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	8.03		0.100		SU	1		9045C	Soluble

This Detection Summary does not include radiochemical test results.

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-1

Client Sample ID: COMPOSITE-BP4-1
Date Collected: 08/20/13 14:28
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-25
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		08/21/13 20:16	08/21/13 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*78*		*45 - 131*	*08/21/13 20:16*	*08/21/13 22:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*60 - 140*	*08/21/13 20:16*	*08/21/13 22:39*	*1*
Toluene-d8 (Surr)	*90*		*58 - 140*	*08/21/13 20:16*	*08/21/13 22:39*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**6.2**		1.0		mg/Kg		08/21/13 13:38	08/22/13 19:00	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/21/13 13:38	08/22/13 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 1*	*08/21/13 13:38*	*08/22/13 19:00*	*1*
p-Terphenyl	*92*		*38 - 148*	*08/21/13 13:38*	*08/22/13 19:00*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		08/21/13 16:24	08/22/13 12:37	4
Arsenic	**4.0**		3.7		mg/Kg		08/21/13 16:24	08/22/13 12:37	4
Barium	**140**		1.9		mg/Kg		08/21/13 16:24	08/22/13 12:37	4
Beryllium	ND		0.37		mg/Kg		08/21/13 16:24	08/22/13 12:37	4
Cadmium	ND		0.47		mg/Kg		08/21/13 16:24	08/22/13 12:37	4
Chromium	**40**		1.9		mg/Kg		08/21/13 16:24	08/22/13 12:37	4
Cobalt	**11**		0.75		mg/Kg		08/21/13 16:24	08/22/13 12:37	4
Copper	**34**		5.6		mg/Kg		08/21/13 16:24	08/22/13 12:37	4
Lead	**6.7**		1.9		mg/Kg		08/21/13 16:24	08/22/13 12:37	4
Molybdenum	ND		1.9		mg/Kg		08/21/13 16:24	08/22/13 12:37	4
Nickel	**58**		1.9		mg/Kg		08/21/13 16:24	08/22/13 12:37	4
Selenium	ND		3.7		mg/Kg		08/21/13 16:24	08/22/13 12:37	4
Silver	ND		0.93		mg/Kg		08/21/13 16:24	08/22/13 12:37	4
Thallium	ND		1.9		mg/Kg		08/21/13 16:24	08/22/13 12:37	4
Vanadium	**33**		1.9		mg/Kg		08/21/13 16:24	08/22/13 12:37	4
Zinc	**49**		5.6		mg/Kg		08/21/13 16:24	08/22/13 12:37	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.10**		0.0086		mg/Kg		08/21/13 16:24	08/22/13 10:43	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.87**		0.100		SU			08/22/13 14:41	1

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-1

Client Sample ID: COMPOSTE-BP3-1
Date Collected: 08/20/13 13:44
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-35
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		08/21/13 20:16	08/21/13 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*45 - 131*	*08/21/13 20:16*	*08/21/13 23:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*60 - 140*	*08/21/13 20:16*	*08/21/13 23:16*	*1*
Toluene-d8 (Surr)	*90*		*58 - 140*	*08/21/13 20:16*	*08/21/13 23:16*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**4.9**		0.99		mg/Kg		08/21/13 13:38	08/22/13 19:30	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/21/13 13:38	08/22/13 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.1*		*0 - 1*	*08/21/13 13:38*	*08/22/13 19:30*	*1*
p-Terphenyl	*91*		*38 - 148*	*08/21/13 13:38*	*08/22/13 19:30*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		08/21/13 16:24	08/22/13 12:41	4
Arsenic	ND		3.9		mg/Kg		08/21/13 16:24	08/22/13 14:51	4
Barium	**130**		1.9		mg/Kg		08/21/13 16:24	08/22/13 12:41	4
Beryllium	ND		0.39		mg/Kg		08/21/13 16:24	08/22/13 12:41	4
Cadmium	ND		0.49		mg/Kg		08/21/13 16:24	08/22/13 12:41	4
Chromium	**46**		1.9		mg/Kg		08/21/13 16:24	08/22/13 12:41	4
Cobalt	**10**		0.78		mg/Kg		08/21/13 16:24	08/22/13 12:41	4
Copper	**32**		5.8		mg/Kg		08/21/13 16:24	08/22/13 12:41	4
Lead	**7.0**		1.9		mg/Kg		08/21/13 16:24	08/22/13 12:41	4
Molybdenum	ND		1.9		mg/Kg		08/21/13 16:24	08/22/13 12:41	4
Nickel	**61**		1.9		mg/Kg		08/21/13 16:24	08/22/13 12:41	4
Selenium	ND		3.9		mg/Kg		08/21/13 16:24	08/22/13 12:41	4
Silver	ND		0.97		mg/Kg		08/21/13 16:24	08/22/13 12:41	4
Thallium	ND		1.9		mg/Kg		08/21/13 16:24	08/22/13 12:41	4
Vanadium	**35**		1.9		mg/Kg		08/21/13 16:24	08/22/13 12:41	4
Zinc	**54**		5.8		mg/Kg		08/21/13 16:24	08/22/13 12:41	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.072**		0.0091		mg/Kg		08/21/13 16:24	08/22/13 10:45	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.03**		0.100		SU			08/22/13 14:45	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-142704/7
Matrix: Solid
Analysis Batch: 142704

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			08/21/13 19:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*45 - 131*		*08/21/13 19:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*60 - 140*		*08/21/13 19:19*	*1*
Toluene-d8 (Surr)	*90*		*58 - 140*		*08/21/13 19:19*	*1*

Lab Sample ID: LCS 720-142704/10
Matrix: Solid
Analysis Batch: 142704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C5-C12			1000	976		ug/Kg		98	61 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*92*		*60 - 140*
Toluene-d8 (Surr)	*96*		*58 - 140*

Lab Sample ID: LCSD 720-142704/11
Matrix: Solid
Analysis Batch: 142704

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	980		ug/Kg		98	61 - 128	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*93*		*60 - 140*
Toluene-d8 (Surr)	*98*		*58 - 140*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-142686/1-A
Matrix: Solid
Analysis Batch: 142750

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 142686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		08/21/13 13:38	08/22/13 19:30	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/21/13 13:38	08/22/13 19:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*08/21/13 13:38*	*08/22/13 19:30*	*1*
p-Terphenyl	*102*		*38 - 148*	*08/21/13 13:38*	*08/22/13 19:30*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 720-142686/2-A
Matrix: Solid
Analysis Batch: 142750

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 142686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	83.3	65.3		mg/Kg		78	36 - 112

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*107*		*38 - 148*

Lab Sample ID: LCSD 720-142686/3-A
Matrix: Solid
Analysis Batch: 142750

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 142686

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	83.0	65.1		mg/Kg		78	36 - 112	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*107*		*38 - 148*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-142711/1-A
Matrix: Solid
Analysis Batch: 142779

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142711

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		08/21/13 16:24	08/22/13 12:06	1
Arsenic	ND		1.0		mg/Kg		08/21/13 16:24	08/22/13 12:06	1
Barium	ND		0.50		mg/Kg		08/21/13 16:24	08/22/13 12:06	1
Beryllium	ND		0.10		mg/Kg		08/21/13 16:24	08/22/13 12:06	1
Cadmium	ND		0.13		mg/Kg		08/21/13 16:24	08/22/13 12:06	1
Chromium	ND		0.50		mg/Kg		08/21/13 16:24	08/22/13 12:06	1
Cobalt	ND		0.20		mg/Kg		08/21/13 16:24	08/22/13 12:06	1
Copper	ND		1.5		mg/Kg		08/21/13 16:24	08/22/13 12:06	1
Lead	ND		0.50		mg/Kg		08/21/13 16:24	08/22/13 12:06	1
Molybdenum	ND		0.50		mg/Kg		08/21/13 16:24	08/22/13 12:06	1
Nickel	ND		0.50		mg/Kg		08/21/13 16:24	08/22/13 12:06	1
Selenium	ND		1.0		mg/Kg		08/21/13 16:24	08/22/13 12:06	1
Silver	ND		0.25		mg/Kg		08/21/13 16:24	08/22/13 12:06	1
Thallium	ND		0.50		mg/Kg		08/21/13 16:24	08/22/13 12:06	1
Vanadium	ND		0.50		mg/Kg		08/21/13 16:24	08/22/13 12:06	1
Zinc	ND		1.5		mg/Kg		08/21/13 16:24	08/22/13 12:06	1

Lab Sample ID: LCS 720-142711/2-A
Matrix: Solid
Analysis Batch: 142779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142711

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	47.7		mg/Kg		95	80 - 120
Arsenic	50.0	48.5		mg/Kg		97	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 720-142711/2-A
Matrix: Solid
Analysis Batch: 142779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142711

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	50.0	49.6		mg/Kg		99	80 - 120
Beryllium	50.0	49.2		mg/Kg		98	80 - 120
Cadmium	50.0	49.7		mg/Kg		99	80 - 120
Chromium	50.0	49.0		mg/Kg		98	80 - 120
Cobalt	50.0	50.4		mg/Kg		101	80 - 120
Copper	50.0	48.9		mg/Kg		98	80 - 120
Lead	50.0	49.9		mg/Kg		100	80 - 120
Molybdenum	50.0	50.0		mg/Kg		100	80 - 120
Nickel	50.0	49.6		mg/Kg		99	80 - 120
Selenium	50.0	47.4		mg/Kg		95	80 - 120
Silver	25.0	24.5		mg/Kg		98	80 - 120
Thallium	50.0	49.9		mg/Kg		100	80 - 120
Vanadium	50.0	49.1		mg/Kg		98	80 - 120
Zinc	50.0	49.3		mg/Kg		99	80 - 120

Lab Sample ID: LCSD 720-142711/3-A
Matrix: Solid
Analysis Batch: 142779

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142711

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	48.6		mg/Kg		97	80 - 120	2	20
Arsenic	50.0	49.1		mg/Kg		98	80 - 120	1	20
Barium	50.0	50.9		mg/Kg		102	80 - 120	3	20
Beryllium	50.0	50.4		mg/Kg		101	80 - 120	2	20
Cadmium	50.0	50.4		mg/Kg		101	80 - 120	1	20
Chromium	50.0	50.1		mg/Kg		100	80 - 120	2	20
Cobalt	50.0	51.0		mg/Kg		102	80 - 120	1	20
Copper	50.0	50.0		mg/Kg		100	80 - 120	2	20
Lead	50.0	50.5		mg/Kg		101	80 - 120	1	20
Molybdenum	50.0	50.7		mg/Kg		101	80 - 120	2	20
Nickel	50.0	50.3		mg/Kg		101	80 - 120	2	20
Selenium	50.0	48.2		mg/Kg		96	80 - 120	2	20
Silver	25.0	25.1		mg/Kg		100	80 - 120	2	20
Thallium	50.0	50.7		mg/Kg		101	80 - 120	2	20
Vanadium	50.0	50.2		mg/Kg		100	80 - 120	2	20
Zinc	50.0	50.0		mg/Kg		100	80 - 120	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-142712/1-A
Matrix: Solid
Analysis Batch: 142774

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		08/21/13 16:24	08/22/13 10:35	1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 720-142712/2-A
Matrix: Solid
Analysis Batch: 142774

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142712

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.900		mg/Kg		108	80 - 120

Lab Sample ID: LCSD 720-142712/3-A
Matrix: Solid
Analysis Batch: 142774

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142712

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.883		mg/Kg		106	80 - 120	2	20

Method: 9045C - pH

Lab Sample ID: LCS 720-142792/1
Matrix: Solid
Analysis Batch: 142792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.000		SU		100	99 - 101

GC/MS VOA

Analysis Batch: 142704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-25	COMPOSITE-BP4-1	Total/NA	Solid	8260B/CA_LUFT MS	142732
720-51795-35	COMPOSTE-BP3-1	Total/NA	Solid	8260B/CA_LUFT MS	142732
LCS 720-142704/10	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-142704/11	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-142704/7	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 142732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-25	COMPOSITE-BP4-1	Total/NA	Solid	5030B	
720-51795-35	COMPOSTE-BP3-1	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 142686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-25	COMPOSITE-BP4-1	Silica Gel Cleanup	Solid	3546	
720-51795-35	COMPOSTE-BP3-1	Silica Gel Cleanup	Solid	3546	
LCS 720-142686/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-142686/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-142686/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 142750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-142686/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	142686
LCSD 720-142686/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	142686
MB 720-142686/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	142686

Analysis Batch: 142751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-25	COMPOSITE-BP4-1	Silica Gel Cleanup	Solid	8015B	142686
720-51795-35	COMPOSTE-BP3-1	Silica Gel Cleanup	Solid	8015B	142686

Metals

Prep Batch: 142711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-25	COMPOSITE-BP4-1	Total/NA	Solid	3050B	
720-51795-35	COMPOSTE-BP3-1	Total/NA	Solid	3050B	
LCS 720-142711/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-142711/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
MB 720-142711/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 142712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-25	COMPOSITE-BP4-1	Total/NA	Solid	7471A	
720-51795-35	COMPOSTE-BP3-1	Total/NA	Solid	7471A	

Metals (Continued)

Prep Batch: 142712 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-142712/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-142712/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-142712/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 142774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-25	COMPOSITE-BP4-1	Total/NA	Solid	7471A	142712
720-51795-35	COMPOSTE-BP3-1	Total/NA	Solid	7471A	142712
LCS 720-142712/2-A	Lab Control Sample	Total/NA	Solid	7471A	142712
LCSD 720-142712/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	142712
MB 720-142712/1-A	Method Blank	Total/NA	Solid	7471A	142712

Analysis Batch: 142779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-25	COMPOSITE-BP4-1	Total/NA	Solid	6010B	142711
720-51795-35	COMPOSTE-BP3-1	Total/NA	Solid	6010B	142711
LCS 720-142711/2-A	Lab Control Sample	Total/NA	Solid	6010B	142711
LCSD 720-142711/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	142711
MB 720-142711/1-A	Method Blank	Total/NA	Solid	6010B	142711

Analysis Batch: 142808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-35	COMPOSTE-BP3-1	Total/NA	Solid	6010B	142711

General Chemistry

Leach Batch: 142770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-25	COMPOSITE-BP4-1	Soluble	Solid	DI Leach	
720-51795-35	COMPOSTE-BP3-1	Soluble	Solid	DI Leach	

Analysis Batch: 142792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-25	COMPOSITE-BP4-1	Soluble	Solid	9045C	142770
720-51795-35	COMPOSTE-BP3-1	Soluble	Solid	9045C	142770
LCS 720-142792/1	Lab Control Sample	Total/NA	Solid	9045C	

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-1

Client Sample ID: COMPOSITE-BP4-1

Lab Sample ID: 720-51795-25

Date Collected: 08/20/13 14:28

Matrix: Solid

Date Received: 08/20/13 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142732	08/21/13 20:16	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142704	08/21/13 22:39	PDR	TAL PLS
Silica Gel Cleanup	Prep	3546			142686	08/21/13 13:38	DBT	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142751	08/22/13 19:00	MQL	TAL PLS
Total/NA	Prep	7471A			142712	08/21/13 16:24	ECT	TAL PLS
Total/NA	Analysis	7471A		1	142774	08/22/13 10:43	EFH	TAL PLS
Total/NA	Prep	3050B			142711	08/21/13 16:24	ASB	TAL PLS
Total/NA	Analysis	6010B		4	142779	08/22/13 12:37	EFH	TAL PLS
Soluble	Leach	DI Leach			142770	08/22/13 11:18	MJK	TAL PLS
Soluble	Analysis	9045C		1	142792	08/22/13 14:41	EYT	TAL PLS

Client Sample ID: COMPOSTE-BP3-1

Lab Sample ID: 720-51795-35

Date Collected: 08/20/13 13:44

Matrix: Solid

Date Received: 08/20/13 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142732	08/21/13 20:16	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142704	08/21/13 23:16	PDR	TAL PLS
Silica Gel Cleanup	Prep	3546			142686	08/21/13 13:38	DBT	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142751	08/22/13 19:30	MQL	TAL PLS
Total/NA	Prep	7471A			142712	08/21/13 16:24	ECT	TAL PLS
Total/NA	Analysis	7471A		1	142774	08/22/13 10:45	EFH	TAL PLS
Total/NA	Analysis	6010B		4	142779	08/22/13 12:41	EFH	TAL PLS
Total/NA	Prep	3050B			142711	08/21/13 16:24	ASB	TAL PLS
Total/NA	Analysis	6010B		4	142808	08/22/13 14:51	CAM	TAL PLS
Soluble	Leach	DI Leach			142770	08/22/13 11:18	MJK	TAL PLS
Soluble	Analysis	9045C		1	142792	08/22/13 14:45	EYT	TAL PLS

Laboratory References:

EMLab San = EMLab P&K - San Bruno, 1150 Bayhill Drive #100, San Bruno, CA 94066, TEL (866)888-6653

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Laboratory: EMLab P&K - San Bruno

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
AIHA	EMLAP		102856	07-01-14
AIHA	IHLAP		102856	07-01-14

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS
9045C	pH	SW846	TAL PLS
Asbestos PLM	General Sub Contract Method	NONE	EMLab San

Protocol References:

NONE = NONE

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EMLab San = EMLab P&K - San Bruno, 1150 Bayhill Drive #100, San Bruno, CA 94066, TEL (866)888-6653

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-51795-25	COMPOSITE-BP4-1	Solid	08/20/13 14:28	08/20/13 17:25
720-51795-35	COMPOSTE-BP3-1	Solid	08/20/13 13:44	08/20/13 17:25

EMLab P&K
A TestAmerica Company

Report for:

Ms. Dimple Sharma
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566

Regarding: Project: 720-51795-1
EML ID: 1103751

Approved by:

Dates of Analysis:
Asbestos-EPA Method 600/R-93/116: 08-22-2013

Approved Signatory
Miguel Ines

Service SOPs: Asbestos-EPA Method 600/R-93/116 (EPA-600/M4-82-020 (SOP 01267))

EMLab P&K
17461 Derian Ave, Suite 100, Irvine, CA 92614
(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica Pleasanton
C/O: Ms. Dimple Sharma
Re: 720-51795-1

Date of Sampling: 08-20-2013
Date of Receipt: 08-22-2013
Date of Report: 08-22-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted:	2
Total Samples Analysed:	2
Total Samples with Layer Asbestos Content > 1%:	0

Location: COMPOSITE-BP4-1 (720-51795-25) Lab ID-Version‡: 4978356-1

Sample Layers	Asbestos Content
Beige Soil With Granular Minerals	ND
Sample Composite Homogeneity:	Good

Location: COMPOSITE-BP3-1 (720-51795-35) Lab ID-Version‡: 4978357-1

Sample Layers	Asbestos Content
Beige Soil With Granular Minerals	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

720-51795

148077

CHAIN OF CUSTODY RECORD

HALEY & ALDRICH

Haley & Aldrich, Inc.
2033 N. Main St, Ste 309
Walnut Creek, CA 94596-7260

Phone (925) 949-1012
Fax (925) 979-1456
Page 1 of 1

H&A FILE NO.	39792-	LABORATORY	Test America, Pleasanton, Ca
PROJECT NAME	Former Hanson Aggregate Facility	ADDRESS	1200 Quarry Lane, 94566
H&A CONTACT	J. Sebik, R Brownsberger 925-357-7355	CONTACT	Dimple Sharma
DELIVERY DATE		TURNAROUND TIME	~~24 hour~~ 48 HR
PROJECT MANAGER	K. Guthrie, J Schwartz		

Sample No.	Date	Time	Depth	Type	TPH-d/mo by 8015B with silica gel cleanup	Naphthalene ONLY by 8270C SIM	Proctor Test (Compaction Curve)	CAM17 metals	TPH-g	pH by 9040	VOCs	SVOCs	Asbestos by CARB 435	bulk PLM		Number of Containers
Composite-BP4-4	8/20/13	1500	-	S	X			X	X	X				X		4
Composite-BP4-5		1455	-		X			X	X	X				X		4
Composite-BP4-3		1446	-		X			X	X	X				X		4
Composite-BP4-2		1436	-		X			X	X	X				X		4
Composite-BP4-1		1428	-		X			X	X	X				X		4
Composite-BP3-4		1325	-		X			X	X	X				X		4
Composite-BP3-1		1344	-		X			X	X	X				X		4
Composite-BP3-3		1400	-		X			X	X	X				X		4
Composite-BP3-2		1355			X			X	X	X				X		4
(5)																4

Analysis Requested

Comments (special instructions, precautions, additional method numbers, etc.)

Please composite each sample (4 8oz glass jars each) in lab

RUSH

Sampled and Relinquished by	Received by
Sign Joanna Sebik	Sign Joan Kuller
Print JOANNA SEBIK	Print Myllena
Firm Haley & Aldrich	Firm ~~Test~~ Amec
Date 8/20/13 Time 1725	Date 8-20-13 Time 725
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date Time
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date Time

LIQUID

VOA Vial
Amber Glass
Plastic Bottle

SOLID

X
A
8oz

Clear Glass
Preservative
Volume

720-51795 Chain of Custody

Sampling Comments

Archive all samples after analysis.

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

5.1e

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples. Trip Blanks and Field Duplicates are included and identified and analysis of TICs are required, as appropriate Laboratory should (specify if applicable) _____ analyz

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

September 2012

Form 3003

8/23/2013

Page 20 of 23

720-51795-2

Mullen, Joan

From: Sharma, Dimple
Sent: Friday, August 23, 2013 8:31 AM
To: Mullen, Joan
Subject: FW: Samples off hold

Dimple Sharma

Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

1220 Quarry Lane

Pleasanton, CA 94566

Tel 925.484.1919 ext. 103 | Fax 925.600.3002

www.testamericainc.com

720-51795 Chain of Custody

-----Original Message-----
From: Sebik, Joanna [mailto:JSebik@haleyaldrich.com]
Sent: Friday, August 23, 2013 8:10 AM
To: Sharma, Dimple
Cc: Guthrie, Kristin; Schwartz, James
Subject: Samples off hold

RUSH

Dimple,

Please proceed with analysis of the "hold" samples submitted on Tuesday August 20. Sample ids are: BP3-2, BP3-3, BP3-4, BP4-2, BP4-3, BP4-4, and BP4-5. Please also add 8270 for PAHs to the list of analyses.

Additionally, would it be possible to add the PAH analysis for the samples submitted that day that were not on hold?

I will be submitting at least 5 4-point composite samples for that full list of analyses today on a 24 hr turn. If 8270 cannot be run on the samples from Tuesday that number will be greater.

Please call me if you have any questions.

Thank you,

1

Joanna Sebik

<tel:925-357-7355>

925-357-7355

Sent from my Verizon Wireless 4G LTE Smartphone.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 720-51795-1

Login Number: 51795

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-51795-2
Client Project/Site: Hansen

For:
Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, California 94596

Attn: Kristin Guthrie

Authorized for release by:
8/27/2013 4:17:17 PM

Dimple Sharma, Project Manager I
dimple.sharma@testamericainc.com

Table of Contents

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-51795-2

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-51795-2

Comments
No additional comments.

Receipt
The samples were received on 8/20/2013 5:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 5.1° C.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

GC VOA
No analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSITE-BP4-4 — Lab Sample ID: 720-51795-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.7		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Barium	130		1.8		mg/Kg	4		6010B	Total/NA
Chromium	36		1.8		mg/Kg	4		6010B	Total/NA
Cobalt	7.8		0.73		mg/Kg	4		6010B	Total/NA
Copper	23		5.5		mg/Kg	4		6010B	Total/NA
Lead	5.9		1.8		mg/Kg	4		6010B	Total/NA
Nickel	50		1.8		mg/Kg	4		6010B	Total/NA
Vanadium	29		1.8		mg/Kg	4		6010B	Total/NA
Zinc	39		5.5		mg/Kg	4		6010B	Total/NA
Mercury	0.066		0.0098		mg/Kg	1		7471A	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.85		0.100		SU	1		9045C	Soluble

Client Sample ID: COMPOSITE-BP4-5 — Lab Sample ID: 720-51795-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.8		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Barium	120		2.0		mg/Kg	4		6010B	Total/NA
Chromium	39		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	8.7		0.79		mg/Kg	4		6010B	Total/NA
Copper	23		5.9		mg/Kg	4		6010B	Total/NA
Lead	5.1		2.0		mg/Kg	4		6010B	Total/NA
Nickel	58		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	29		2.0		mg/Kg	4		6010B	Total/NA
Zinc	44		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.062		0.0091		mg/Kg	1		7471A	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.80		0.100		SU	1		9045C	Soluble

Client Sample ID: COMPOSITE-BP4-3 — Lab Sample ID: 720-51795-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.3		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Barium	130		1.9		mg/Kg	4		6010B	Total/NA
Chromium	40		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	9.7		0.78		mg/Kg	4		6010B	Total/NA
Copper	28		5.8		mg/Kg	4		6010B	Total/NA
Lead	5.2		1.9		mg/Kg	4		6010B	Total/NA
Nickel	54		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	31		1.9		mg/Kg	4		6010B	Total/NA
Zinc	43		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.056		0.0086		mg/Kg	1		7471A	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.89		0.100		SU	1		9045C	Soluble

Client Sample ID: COMPOSITE-BP4-2 — Lab Sample ID: 720-51795-20

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSITE-BP4-2 (Continued) — Lab Sample ID: 720-51795-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.9		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Barium	130		2.0		mg/Kg	4		6010B	Total/NA
Chromium	37		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	8.4		0.80		mg/Kg	4		6010B	Total/NA
Copper	40		6.0		mg/Kg	4		6010B	Total/NA
Lead	5.6		2.0		mg/Kg	4		6010B	Total/NA
Nickel	53		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	30		2.0		mg/Kg	4		6010B	Total/NA
Zinc	44		6.0		mg/Kg	4		6010B	Total/NA
Mercury	0.12		0.0091		mg/Kg	1		7471A	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	8.18		0.100		SU	1		9045C	Soluble

Client Sample ID: COMPOSITE-BP4-1 — Lab Sample ID: 720-51795-25

No Detections.

Client Sample ID: COMPOSTE-BP3-4 — Lab Sample ID: 720-51795-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.9		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Barium	130		1.8		mg/Kg	4		6010B	Total/NA
Chromium	38		1.8		mg/Kg	4		6010B	Total/NA
Cobalt	8.6		0.73		mg/Kg	4		6010B	Total/NA
Copper	26		5.5		mg/Kg	4		6010B	Total/NA
Lead	5.7		1.8		mg/Kg	4		6010B	Total/NA
Nickel	56		1.8		mg/Kg	4		6010B	Total/NA
Vanadium	30		1.8		mg/Kg	4		6010B	Total/NA
Zinc	46		5.5		mg/Kg	4		6010B	Total/NA
Mercury	0.23		0.0097		mg/Kg	1		7471A	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.83		0.100		SU	1		9045C	Soluble

Client Sample ID: COMPOSTE-BP3-1 — Lab Sample ID: 720-51795-35

No Detections.

Client Sample ID: COMPOSTE-BP3-3 — Lab Sample ID: 720-51795-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.3		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	3.9		3.8		mg/Kg	4		6010B	Total/NA
Barium	150		1.9		mg/Kg	4		6010B	Total/NA
Chromium	43		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	9.5		0.76		mg/Kg	4		6010B	Total/NA
Copper	26		5.7		mg/Kg	4		6010B	Total/NA
Lead	6.4		1.9		mg/Kg	4		6010B	Total/NA
Nickel	56		1.9		mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: COMPOSTE-BP3-3 (Continued) — Lab Sample ID: 720-51795-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	30		1.9		mg/Kg	4		6010B	Total/NA
Zinc	45		5.7		mg/Kg	4		6010B	Total/NA
Mercury	0.11		0.0097		mg/Kg	1		7471A	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.82		0.100		SU	1		9045C	Soluble

Client Sample ID: COMPOSTE-BP3-2 — Lab Sample ID: 720-51795-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.0		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Barium	120		1.9		mg/Kg	4		6010B	Total/NA
Chromium	44		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	9.6		0.77		mg/Kg	4		6010B	Total/NA
Copper	26		5.8		mg/Kg	4		6010B	Total/NA
Lead	5.6		1.9		mg/Kg	4		6010B	Total/NA
Nickel	57		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	32		1.9		mg/Kg	4		6010B	Total/NA
Zinc	44		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.071		0.0098		mg/Kg	1		7471A	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.86		0.100		SU	1		9045C	Soluble

This Detection Summary does not include radiochemical test results.

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSITE-BP4-4
Date Collected: 08/20/13 15:00
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-5
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/23/13 11:45	08/23/13 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*78*		*45 - 131*	*08/23/13 11:45*	*08/23/13 14:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*	*08/23/13 11:45*	*08/23/13 14:27*	*1*
Toluene-d8 (Surr)	*91*		*58 - 140*	*08/23/13 11:45*	*08/23/13 14:27*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		08/23/13 18:02	08/26/13 22:41	1
Acenaphthylene	ND		5.0		ug/Kg		08/23/13 18:02	08/26/13 22:41	1
Anthracene	ND		5.0		ug/Kg		08/23/13 18:02	08/26/13 22:41	1
Benzo[a]anthracene	ND		5.0		ug/Kg		08/23/13 18:02	08/26/13 22:41	1
Benzo[a]pyrene	ND		5.0		ug/Kg		08/23/13 18:02	08/26/13 22:41	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		08/23/13 18:02	08/26/13 22:41	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		08/23/13 18:02	08/26/13 22:41	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		08/23/13 18:02	08/26/13 22:41	1
Chrysene	ND		5.0		ug/Kg		08/23/13 18:02	08/26/13 22:41	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		08/23/13 18:02	08/26/13 22:41	1
Fluoranthene	ND		5.0		ug/Kg		08/23/13 18:02	08/26/13 22:41	1
Fluorene	ND		5.0		ug/Kg		08/23/13 18:02	08/26/13 22:41	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		08/23/13 18:02	08/26/13 22:41	1
Naphthalene	ND		5.0		ug/Kg		08/23/13 18:02	08/26/13 22:41	1
Phenanthrene	ND		5.0		ug/Kg		08/23/13 18:02	08/26/13 22:41	1
Pyrene	ND		5.0		ug/Kg		08/23/13 18:02	08/26/13 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*33 - 120*	*08/23/13 18:02*	*08/26/13 22:41*	*1*
Terphenyl-d14	*92*		*35 - 146*	*08/23/13 18:02*	*08/26/13 22:41*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.7**		0.99		mg/Kg		08/23/13 12:11	08/24/13 03:44	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		08/23/13 12:11	08/24/13 03:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.005*		*0 - 1*	*08/23/13 12:11*	*08/24/13 03:44*	*1*
p-Terphenyl	*100*		*38 - 148*	*08/23/13 12:11*	*08/24/13 03:44*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.8		mg/Kg		08/23/13 15:34	08/24/13 01:10	4
Arsenic	ND		3.7		mg/Kg		08/23/13 15:34	08/24/13 01:10	4
Barium	**130**		1.8		mg/Kg		08/23/13 15:34	08/24/13 01:10	4
Beryllium	ND		0.37		mg/Kg		08/23/13 15:34	08/24/13 01:10	4
Cadmium	ND		0.46		mg/Kg		08/23/13 15:34	08/24/13 01:10	4
Chromium	**36**		1.8		mg/Kg		08/23/13 15:34	08/24/13 01:10	4
Cobalt	**7.8**		0.73		mg/Kg		08/23/13 15:34	08/24/13 01:10	4
Copper	**23**		5.5		mg/Kg		08/23/13 15:34	08/24/13 01:10	4
Lead	**5.9**		1.8		mg/Kg		08/23/13 15:34	08/24/13 01:10	4

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSITE-BP4-4
Date Collected: 08/20/13 15:00
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-5
Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.8		mg/Kg		08/23/13 15:34	08/24/13 01:10	4
Nickel	**50**		1.8		mg/Kg		08/23/13 15:34	08/24/13 01:10	4
Selenium	ND		3.7		mg/Kg		08/23/13 15:34	08/24/13 01:10	4
Silver	ND		0.92		mg/Kg		08/23/13 15:34	08/24/13 01:10	4
Thallium	ND		1.8		mg/Kg		08/23/13 15:34	08/24/13 01:10	4
Vanadium	**29**		1.8		mg/Kg		08/23/13 15:34	08/24/13 01:10	4
Zinc	**39**		5.5		mg/Kg		08/23/13 15:34	08/24/13 01:10	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.066**		0.0098		mg/Kg		08/23/13 14:44	08/26/13 16:49	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.85**		0.100		SU			08/23/13 21:14	1

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSITE-BP4-5
Date Collected: 08/20/13 14:55
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-10
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		08/23/13 11:45	08/23/13 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*77*		*45 - 131*	*08/23/13 11:45*	*08/23/13 14:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*60 - 140*	*08/23/13 11:45*	*08/23/13 14:56*	*1*
Toluene-d8 (Surr)	*90*		*58 - 140*	*08/23/13 11:45*	*08/23/13 14:56*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:04	1
Acenaphthylene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:04	1
Anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:04	1
Benzo[a]anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:04	1
Benzo[a]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:04	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:04	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:04	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:04	1
Chrysene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:04	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:04	1
Fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:04	1
Fluorene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:04	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:04	1
Naphthalene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:04	1
Phenanthrene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:04	1
Pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*33 - 120*	*08/23/13 18:02*	*08/26/13 23:04*	*1*
Terphenyl-d14	*86*		*35 - 146*	*08/23/13 18:02*	*08/26/13 23:04*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.8**		0.99		mg/Kg		08/23/13 12:11	08/24/13 13:34	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/23/13 12:11	08/24/13 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.001*		*0 - 1*	*08/23/13 12:11*	*08/24/13 13:34*	*1*
p-Terphenyl	*91*		*38 - 148*	*08/23/13 12:11*	*08/24/13 13:34*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		08/23/13 15:34	08/24/13 01:15	4
Arsenic	ND		4.0		mg/Kg		08/23/13 15:34	08/24/13 01:15	4
Barium	**120**		2.0		mg/Kg		08/23/13 15:34	08/24/13 01:15	4
Beryllium	ND		0.40		mg/Kg		08/23/13 15:34	08/24/13 01:15	4
Cadmium	ND		0.50		mg/Kg		08/23/13 15:34	08/24/13 01:15	4
Chromium	**39**		2.0		mg/Kg		08/23/13 15:34	08/24/13 01:15	4
Cobalt	**8.7**		0.79		mg/Kg		08/23/13 15:34	08/24/13 01:15	4
Copper	**23**		5.9		mg/Kg		08/23/13 15:34	08/24/13 01:15	4
Lead	**5.1**		2.0		mg/Kg		08/23/13 15:34	08/24/13 01:15	4

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSITE-BP4-5
Date Collected: 08/20/13 14:55
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-10
Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		08/23/13 15:34	08/24/13 01:15	4
Nickel	**58**		2.0		mg/Kg		08/23/13 15:34	08/24/13 01:15	4
Selenium	ND		4.0		mg/Kg		08/23/13 15:34	08/24/13 01:15	4
Silver	ND		0.99		mg/Kg		08/23/13 15:34	08/24/13 01:15	4
Thallium	ND		2.0		mg/Kg		08/23/13 15:34	08/24/13 01:15	4
Vanadium	**29**		2.0		mg/Kg		08/23/13 15:34	08/24/13 01:15	4
Zinc	**44**		5.9		mg/Kg		08/23/13 15:34	08/24/13 01:15	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.062**		0.0091		mg/Kg		08/23/13 14:44	08/26/13 16:52	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.80**		0.100		SU			08/23/13 21:19	1

Client Sample ID: COMPOSITE-BP4-3
Date Collected: 08/20/13 14:46
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-15
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		08/23/13 11:45	08/23/13 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*79*		*45 - 131*	*08/23/13 11:45*	*08/23/13 15:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*60 - 140*	*08/23/13 11:45*	*08/23/13 15:25*	*1*
Toluene-d8 (Surr)	*89*		*58 - 140*	*08/23/13 11:45*	*08/23/13 15:25*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:27	1
Acenaphthylene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:27	1
Anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:27	1
Benzo[a]anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:27	1
Benzo[a]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:27	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:27	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:27	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:27	1
Chrysene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:27	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:27	1
Fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:27	1
Fluorene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:27	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:27	1
Naphthalene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:27	1
Phenanthrene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:27	1
Pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*33 - 120*	*08/23/13 18:02*	*08/26/13 23:27*	*1*
Terphenyl-d14	*89*		*35 - 146*	*08/23/13 18:02*	*08/26/13 23:27*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.3**		0.99		mg/Kg		08/23/13 12:11	08/24/13 13:58	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/23/13 12:11	08/24/13 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.003*		*0 - 1*	*08/23/13 12:11*	*08/24/13 13:58*	*1*
p-Terphenyl	*90*		*38 - 148*	*08/23/13 12:11*	*08/24/13 13:58*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:28	4
Arsenic	ND		3.9		mg/Kg		08/23/13 15:34	08/24/13 01:28	4
Barium	**130**		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:28	4
Beryllium	ND		0.39		mg/Kg		08/23/13 15:34	08/24/13 01:28	4
Cadmium	ND		0.49		mg/Kg		08/23/13 15:34	08/24/13 01:28	4
Chromium	**40**		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:28	4
Cobalt	**9.7**		0.78		mg/Kg		08/23/13 15:34	08/24/13 01:28	4
Copper	**28**		5.8		mg/Kg		08/23/13 15:34	08/24/13 01:28	4
Lead	**5.2**		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:28	4

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSITE-BP4-3
Date Collected: 08/20/13 14:46
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-15
Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:28	4
Nickel	**54**		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:28	4
Selenium	ND		3.9		mg/Kg		08/23/13 15:34	08/24/13 01:28	4
Silver	ND		0.97		mg/Kg		08/23/13 15:34	08/24/13 01:28	4
Thallium	ND		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:28	4
Vanadium	**31**		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:28	4
Zinc	**43**		5.8		mg/Kg		08/23/13 15:34	08/24/13 01:28	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.056**		0.0086		mg/Kg		08/23/13 14:44	08/26/13 16:54	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.89**		0.100		SU			08/23/13 21:20	1

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSITE-BP4-2

Lab Sample ID: 720-51795-20

Date Collected: 08/20/13 14:36

Matrix: Solid

Date Received: 08/20/13 17:25

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/23/13 11:45	08/23/13 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*71*		*45 - 131*	*08/23/13 11:45*	*08/23/13 15:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 140*	*08/23/13 11:45*	*08/23/13 15:54*	*1*
Toluene-d8 (Surr)	*85*		*58 - 140*	*08/23/13 11:45*	*08/23/13 15:54*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:50	1
Acenaphthylene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:50	1
Anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:50	1
Benzo[a]anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:50	1
Benzo[a]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:50	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:50	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:50	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:50	1
Chrysene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:50	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:50	1
Fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:50	1
Fluorene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:50	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:50	1
Naphthalene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:50	1
Phenanthrene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:50	1
Pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/26/13 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*33 - 120*	*08/23/13 18:02*	*08/26/13 23:50*	*1*
Terphenyl-d14	*101*		*35 - 146*	*08/23/13 18:02*	*08/26/13 23:50*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.9**		1.0		mg/Kg		08/23/13 12:11	08/24/13 14:23	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/23/13 12:11	08/24/13 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.002*		*0 - 1*	*08/23/13 12:11*	*08/24/13 14:23*	*1*
p-Terphenyl	*91*		*38 - 148*	*08/23/13 12:11*	*08/24/13 14:23*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		08/23/13 15:34	08/24/13 01:32	4
Arsenic	ND		4.0		mg/Kg		08/23/13 15:34	08/24/13 01:32	4
Barium	**130**		2.0		mg/Kg		08/23/13 15:34	08/24/13 01:32	4
Beryllium	ND		0.40		mg/Kg		08/23/13 15:34	08/24/13 01:32	4
Cadmium	ND		0.50		mg/Kg		08/23/13 15:34	08/24/13 01:32	4
Chromium	**37**		2.0		mg/Kg		08/23/13 15:34	08/24/13 01:32	4
Cobalt	**8.4**		0.80		mg/Kg		08/23/13 15:34	08/24/13 01:32	4
Copper	**40**		6.0		mg/Kg		08/23/13 15:34	08/24/13 01:32	4
Lead	**5.6**		2.0		mg/Kg		08/23/13 15:34	08/24/13 01:32	4

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSITE-BP4-2
Date Collected: 08/20/13 14:36
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-20
Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		08/23/13 15:34	08/24/13 01:32	4
Nickel	**53**		2.0		mg/Kg		08/23/13 15:34	08/24/13 01:32	4
Selenium	ND		4.0		mg/Kg		08/23/13 15:34	08/24/13 01:32	4
Silver	ND		1.0		mg/Kg		08/23/13 15:34	08/24/13 01:32	4
Thallium	ND		2.0		mg/Kg		08/23/13 15:34	08/24/13 01:32	4
Vanadium	**30**		2.0		mg/Kg		08/23/13 15:34	08/24/13 01:32	4
Zinc	**44**		6.0		mg/Kg		08/23/13 15:34	08/24/13 01:32	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**		0.0091		mg/Kg		08/23/13 14:44	08/26/13 16:56	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.18**		0.100		SU			08/23/13 21:22	1

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSITE-BP4-1
Date Collected: 08/20/13 14:28
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-25
Matrix: Solid

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:13	1
Acenaphthylene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:13	1
Anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:13	1
Benzo[a]anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:13	1
Benzo[a]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:13	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:13	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:13	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:13	1
Chrysene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:13	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:13	1
Fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:13	1
Fluorene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:13	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:13	1
Naphthalene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:13	1
Phenanthrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:13	1
Pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*33 - 120*	*08/23/13 18:02*	*08/27/13 00:13*	*1*
Terphenyl-d14	*88*		*35 - 146*	*08/23/13 18:02*	*08/27/13 00:13*	*1*

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSTE-BP3-4
Date Collected: 08/20/13 13:25
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-30
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		08/23/13 11:45	08/23/13 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*75*		*45 - 131*	*08/23/13 11:45*	*08/23/13 16:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*60 - 140*	*08/23/13 11:45*	*08/23/13 16:23*	*1*
Toluene-d8 (Surr)	*87*		*58 - 140*	*08/23/13 11:45*	*08/23/13 16:23*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:36	1
Acenaphthylene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:36	1
Anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:36	1
Benzo[a]anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:36	1
Benzo[a]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:36	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:36	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:36	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:36	1
Chrysene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:36	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:36	1
Fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:36	1
Fluorene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:36	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:36	1
Naphthalene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:36	1
Phenanthrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:36	1
Pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*33 - 120*	*08/23/13 18:02*	*08/27/13 00:36*	*1*
Terphenyl-d14	*97*		*35 - 146*	*08/23/13 18:02*	*08/27/13 00:36*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.9**		0.99		mg/Kg		08/23/13 12:11	08/24/13 22:31	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/23/13 12:11	08/24/13 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.006*		*0 - 1*	*08/23/13 12:11*	*08/24/13 22:31*	*1*
p-Terphenyl	*85*		*38 - 148*	*08/23/13 12:11*	*08/24/13 22:31*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.8		mg/Kg		08/23/13 15:34	08/24/13 01:37	4
Arsenic	ND		3.7		mg/Kg		08/23/13 15:34	08/24/13 01:37	4
Barium	**130**		1.8		mg/Kg		08/23/13 15:34	08/24/13 01:37	4
Beryllium	ND		0.37		mg/Kg		08/23/13 15:34	08/24/13 01:37	4
Cadmium	ND		0.46		mg/Kg		08/23/13 15:34	08/24/13 01:37	4
Chromium	**38**		1.8		mg/Kg		08/23/13 15:34	08/24/13 01:37	4
Cobalt	**8.6**		0.73		mg/Kg		08/23/13 15:34	08/24/13 01:37	4
Copper	**26**		5.5		mg/Kg		08/23/13 15:34	08/24/13 01:37	4
Lead	**5.7**		1.8		mg/Kg		08/23/13 15:34	08/24/13 01:37	4

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSTE-BP3-4
Date Collected: 08/20/13 13:25
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-30
Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.8		mg/Kg		08/23/13 15:34	08/24/13 01:37	4
Nickel	**56**		1.8		mg/Kg		08/23/13 15:34	08/24/13 01:37	4
Selenium	ND		3.7		mg/Kg		08/23/13 15:34	08/24/13 01:37	4
Silver	ND		0.92		mg/Kg		08/23/13 15:34	08/24/13 01:37	4
Thallium	ND		1.8		mg/Kg		08/23/13 15:34	08/24/13 01:37	4
Vanadium	**30**		1.8		mg/Kg		08/23/13 15:34	08/24/13 01:37	4
Zinc	**46**		5.5		mg/Kg		08/23/13 15:34	08/24/13 01:37	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.23**		0.0097		mg/Kg		08/23/13 14:44	08/26/13 16:59	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.83**		0.100		SU			08/23/13 21:24	1

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSTE-BP3-1
Date Collected: 08/20/13 13:44
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-35
Matrix: Solid

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:59	1
Acenaphthylene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:59	1
Anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:59	1
Benzo[a]anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:59	1
Benzo[a]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:59	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:59	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:59	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:59	1
Chrysene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:59	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:59	1
Fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:59	1
Fluorene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:59	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:59	1
Naphthalene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:59	1
Phenanthrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:59	1
Pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*33 - 120*	*08/23/13 18:02*	*08/27/13 00:59*	*1*
Terphenyl-d14	*86*		*35 - 146*	*08/23/13 18:02*	*08/27/13 00:59*	*1*

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSTE-BP3-3
Date Collected: 08/20/13 14:00
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-40
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		08/23/13 11:45	08/23/13 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*73*		*45 - 131*	*08/23/13 11:45*	*08/23/13 16:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 140*	*08/23/13 11:45*	*08/23/13 16:52*	*1*
Toluene-d8 (Surr)	*87*		*58 - 140*	*08/23/13 11:45*	*08/23/13 16:52*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 01:22	1
Acenaphthylene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 01:22	1
Anthracene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 01:22	1
Benzo[a]anthracene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 01:22	1
Benzo[a]pyrene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 01:22	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 01:22	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 01:22	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 01:22	1
Chrysene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 01:22	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 01:22	1
Fluoranthene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 01:22	1
Fluorene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 01:22	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 01:22	1
Naphthalene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 01:22	1
Phenanthrene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 01:22	1
Pyrene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*33 - 120*	*08/23/13 18:02*	*08/27/13 01:22*	*1*
Terphenyl-d14	*93*		*35 - 146*	*08/23/13 18:02*	*08/27/13 01:22*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.3**		0.99		mg/Kg		08/23/13 12:11	08/24/13 22:55	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		08/23/13 12:11	08/24/13 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 1*	*08/23/13 12:11*	*08/24/13 22:55*	*1*
p-Terphenyl	*98*		*38 - 148*	*08/23/13 12:11*	*08/24/13 22:55*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:41	4
Arsenic	**3.9**		3.8		mg/Kg		08/23/13 15:34	08/24/13 01:41	4
Barium	**150**		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:41	4
Beryllium	ND		0.38		mg/Kg		08/23/13 15:34	08/24/13 01:41	4
Cadmium	ND		0.48		mg/Kg		08/23/13 15:34	08/24/13 01:41	4
Chromium	**43**		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:41	4
Cobalt	**9.5**		0.76		mg/Kg		08/23/13 15:34	08/24/13 01:41	4
Copper	**26**		5.7		mg/Kg		08/23/13 15:34	08/24/13 01:41	4
Lead	**6.4**		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:41	4

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSTE-BP3-3
Date Collected: 08/20/13 14:00
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-40
Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:41	4
Nickel	**56**		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:41	4
Selenium	ND		3.8		mg/Kg		08/23/13 15:34	08/24/13 01:41	4
Silver	ND		0.95		mg/Kg		08/23/13 15:34	08/24/13 01:41	4
Thallium	ND		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:41	4
Vanadium	**30**		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:41	4
Zinc	**45**		5.7		mg/Kg		08/23/13 15:34	08/24/13 01:41	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.0097		mg/Kg		08/23/13 14:44	08/26/13 17:01	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.82**		0.100		SU			08/23/13 21:26	1

Client Sample ID: COMPOSTE-BP3-2
Date Collected: 08/20/13 13:55
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-45
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		08/23/13 11:45	08/23/13 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*71*		*45 - 131*	*08/23/13 11:45*	*08/23/13 17:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 140*	*08/23/13 11:45*	*08/23/13 17:21*	*1*
Toluene-d8 (Surr)	*85*		*58 - 140*	*08/23/13 11:45*	*08/23/13 17:21*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 01:45	1
Acenaphthylene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 01:45	1
Anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 01:45	1
Benzo[a]anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 01:45	1
Benzo[a]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 01:45	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 01:45	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 01:45	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 01:45	1
Chrysene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 01:45	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 01:45	1
Fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 01:45	1
Fluorene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 01:45	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 01:45	1
Naphthalene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 01:45	1
Phenanthrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 01:45	1
Pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*33 - 120*	*08/23/13 18:02*	*08/27/13 01:45*	*1*
Terphenyl-d14	*94*		*35 - 146*	*08/23/13 18:02*	*08/27/13 01:45*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.0**		1.0		mg/Kg		08/23/13 12:11	08/24/13 23:19	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/23/13 12:11	08/24/13 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.002*		*0 - 1*	*08/23/13 12:11*	*08/24/13 23:19*	*1*
p-Terphenyl	*92*		*38 - 148*	*08/23/13 12:11*	*08/24/13 23:19*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:46	4
Arsenic	ND		3.8		mg/Kg		08/23/13 15:34	08/24/13 01:46	4
Barium	**120**		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:46	4
Beryllium	ND		0.38		mg/Kg		08/23/13 15:34	08/24/13 01:46	4
Cadmium	ND		0.48		mg/Kg		08/23/13 15:34	08/24/13 01:46	4
Chromium	**44**		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:46	4
Cobalt	**9.6**		0.77		mg/Kg		08/23/13 15:34	08/24/13 01:46	4
Copper	**26**		5.8		mg/Kg		08/23/13 15:34	08/24/13 01:46	4
Lead	**5.6**		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:46	4

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSTE-BP3-2
Date Collected: 08/20/13 13:55
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-45
Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:46	4
Nickel	**57**		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:46	4
Selenium	ND		3.8		mg/Kg		08/23/13 15:34	08/24/13 01:46	4
Silver	ND		0.96		mg/Kg		08/23/13 15:34	08/24/13 01:46	4
Thallium	ND		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:46	4
Vanadium	**32**		1.9		mg/Kg		08/23/13 15:34	08/24/13 01:46	4
Zinc	**44**		5.8		mg/Kg		08/23/13 15:34	08/24/13 01:46	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.071**		0.0098		mg/Kg		08/23/13 18:09	08/26/13 18:20	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.86**		0.100		SU			08/23/13 21:27	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-142838/4
Matrix: Solid
Analysis Batch: 142838

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			08/23/13 09:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*45 - 131*		*08/23/13 09:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 140*		*08/23/13 09:07*	*1*
Toluene-d8 (Surr)	*95*		*58 - 140*		*08/23/13 09:07*	*1*

Lab Sample ID: LCS 720-142838/7
Matrix: Solid
Analysis Batch: 142838

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C5-C12			1000	998		ug/Kg		100	61 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 140*
Toluene-d8 (Surr)	*99*		*58 - 140*

Lab Sample ID: LCSD 720-142838/8
Matrix: Solid
Analysis Batch: 142838

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	1040		ug/Kg		104	61 - 128	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 140*
Toluene-d8 (Surr)	*100*		*58 - 140*

Method: 8270C SIM - PAHs by GCMS (SIM)

Lab Sample ID: MB 720-142859/1-A
Matrix: Solid
Analysis Batch: 142869

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142859

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Acenaphthylene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Anthracene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Benzo[a]anthracene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Benzo[a]pyrene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1

Method: 8270C SIM - PAHs by GCMS (SIM) (Continued)

Lab Sample ID: MB 720-142859/1-A
Matrix: Solid
Analysis Batch: 142869

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142859

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Chrysene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Fluoranthene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Fluorene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Naphthalene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Phenanthrene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Pyrene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*33 - 120*	*08/23/13 10:15*	*08/23/13 17:49*	*1*
Terphenyl-d14	*91*		*35 - 146*	*08/23/13 10:15*	*08/23/13 17:49*	*1*

Lab Sample ID: LCS 720-142859/2-A
Matrix: Solid
Analysis Batch: 142869

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142859

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	330	224		ug/Kg		68	49 - 120
Acenaphthylene	330	233		ug/Kg		71	52 - 120
Anthracene	330	257		ug/Kg		78	52 - 120
Benzo[a]anthracene	330	274		ug/Kg		83	52 - 120
Benzo[a]pyrene	330	285		ug/Kg		86	54 - 120
Benzo[b]fluoranthene	330	314		ug/Kg		95	51 - 120
Benzo[g,h,i]perylene	330	282		ug/Kg		85	48 - 120
Benzo[k]fluoranthene	330	250		ug/Kg		76	56 - 120
Chrysene	330	251		ug/Kg		76	40 - 120
Dibenz(a,h)anthracene	330	284		ug/Kg		86	50 - 120
Fluoranthene	330	278		ug/Kg		84	57 - 120
Fluorene	330	253		ug/Kg		77	52 - 120
Indeno[1,2,3-cd]pyrene	330	283		ug/Kg		86	48 - 120
Naphthalene	330	226		ug/Kg		68	46 - 120
Phenanthrene	330	242		ug/Kg		73	48 - 120
Pyrene	330	291		ug/Kg		88	53 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*33 - 120*
Terphenyl-d14	*92*		*35 - 146*

Lab Sample ID: LCSD 720-142859/3-A
Matrix: Solid
Analysis Batch: 142869

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142859

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	333	220		ug/Kg		66	49 - 120	1	20
Acenaphthylene	333	219		ug/Kg		66	52 - 120	6	20
Anthracene	333	251		ug/Kg		75	52 - 120	2	20

Method: 8270C SIM - PAHs by GCMS (SIM) (Continued)

Lab Sample ID: LCSD 720-142859/3-A
Matrix: Solid
Analysis Batch: 142869

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142859

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene			333	263		ug/Kg		79	52 - 120	4	20
Benzo[a]pyrene			333	275		ug/Kg		83	54 - 120	3	20
Benzo[b]fluoranthene			333	293		ug/Kg		88	51 - 120	7	20
Benzo[g,h,i]perylene			333	274		ug/Kg		82	48 - 120	3	20
Benzo[k]fluoranthene			333	246		ug/Kg		74	56 - 120	1	20
Chrysene			333	249		ug/Kg		75	40 - 120	1	20
Dibenz(a,h)anthracene			333	276		ug/Kg		83	50 - 120	3	20
Fluoranthene			333	273		ug/Kg		82	57 - 120	2	20
Fluorene			333	238		ug/Kg		72	52 - 120	6	20
Indeno[1,2,3-cd]pyrene			333	276		ug/Kg		83	48 - 120	2	20
Naphthalene			333	215		ug/Kg		65	46 - 120	5	20
Phenanthrene			333	237		ug/Kg		71	48 - 120	2	20
Pyrene			333	282		ug/Kg		85	53 - 120	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*33 - 120*
Terphenyl-d14	*88*		*35 - 146*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-142875/1-A
Matrix: Solid
Analysis Batch: 142842

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 142875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/23/13 12:11	08/24/13 00:20	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/23/13 12:11	08/24/13 00:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.008*		*0 - 1*	*08/23/13 12:11*	*08/24/13 00:20*	*1*
p-Terphenyl	*107*		*38 - 148*	*08/23/13 12:11*	*08/24/13 00:20*	*1*

Lab Sample ID: LCS 720-142875/2-A
Matrix: Solid
Analysis Batch: 142842

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 142875

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			81.9	59.3		mg/Kg		72	36 - 112		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*114*		*38 - 148*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 720-142875/3-A
Matrix: Solid
Analysis Batch: 142842

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 142875

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			82.2	51.0		mg/Kg		62	36 - 112	15	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*111*		*38 - 148*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-142912/1-A
Matrix: Solid
Analysis Batch: 142972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142912

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		08/23/13 15:34	08/23/13 23:47	1
Arsenic	ND		1.0		mg/Kg		08/23/13 15:34	08/23/13 23:47	1
Barium	ND		0.50		mg/Kg		08/23/13 15:34	08/23/13 23:47	1
Beryllium	ND		0.10		mg/Kg		08/23/13 15:34	08/23/13 23:47	1
Cadmium	ND		0.13		mg/Kg		08/23/13 15:34	08/23/13 23:47	1
Chromium	ND		0.50		mg/Kg		08/23/13 15:34	08/23/13 23:47	1
Cobalt	ND		0.20		mg/Kg		08/23/13 15:34	08/23/13 23:47	1
Copper	ND		1.5		mg/Kg		08/23/13 15:34	08/23/13 23:47	1
Lead	ND		0.50		mg/Kg		08/23/13 15:34	08/23/13 23:47	1
Molybdenum	ND		0.50		mg/Kg		08/23/13 15:34	08/23/13 23:47	1
Nickel	ND		0.50		mg/Kg		08/23/13 15:34	08/23/13 23:47	1
Selenium	ND		1.0		mg/Kg		08/23/13 15:34	08/23/13 23:47	1
Silver	ND		0.25		mg/Kg		08/23/13 15:34	08/23/13 23:47	1
Thallium	ND		0.50		mg/Kg		08/23/13 15:34	08/23/13 23:47	1
Vanadium	ND		0.50		mg/Kg		08/23/13 15:34	08/23/13 23:47	1
Zinc	ND		1.5		mg/Kg		08/23/13 15:34	08/23/13 23:47	1

Lab Sample ID: LCS 720-142912/2-A
Matrix: Solid
Analysis Batch: 142972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142912

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	46.0		mg/Kg		92	80 - 120
Arsenic	50.0	48.4		mg/Kg		97	80 - 120
Barium	50.0	50.7		mg/Kg		101	80 - 120
Beryllium	50.0	46.8		mg/Kg		94	80 - 120
Cadmium	50.0	48.1		mg/Kg		96	80 - 120
Chromium	50.0	48.1		mg/Kg		96	80 - 120
Cobalt	50.0	48.7		mg/Kg		97	80 - 120
Copper	50.0	48.8		mg/Kg		98	80 - 120
Lead	50.0	50.1		mg/Kg		100	80 - 120
Molybdenum	50.0	49.8		mg/Kg		100	80 - 120
Nickel	50.0	49.4		mg/Kg		99	80 - 120
Selenium	50.0	47.3		mg/Kg		95	80 - 120
Silver	25.0	23.5		mg/Kg		94	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 720-142912/2-A
Matrix: Solid
Analysis Batch: 142972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142912

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	50.0	50.2		mg/Kg		100	80 - 120
Vanadium	50.0	48.8		mg/Kg		98	80 - 120
Zinc	50.0	49.4		mg/Kg		99	80 - 120

Lab Sample ID: LCSD 720-142912/3-A
Matrix: Solid
Analysis Batch: 142972

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142912

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	47.8		mg/Kg		96	80 - 120	4	20
Arsenic	50.0	49.6		mg/Kg		99	80 - 120	3	20
Barium	50.0	51.8		mg/Kg		104	80 - 120	2	20
Beryllium	50.0	48.3		mg/Kg		97	80 - 120	3	20
Cadmium	50.0	49.4		mg/Kg		99	80 - 120	3	20
Chromium	50.0	49.7		mg/Kg		99	80 - 120	3	20
Cobalt	50.0	50.0		mg/Kg		100	80 - 120	3	20
Copper	50.0	49.9		mg/Kg		100	80 - 120	2	20
Lead	50.0	51.3		mg/Kg		103	80 - 120	2	20
Molybdenum	50.0	51.0		mg/Kg		102	80 - 120	2	20
Nickel	50.0	50.6		mg/Kg		101	80 - 120	2	20
Selenium	50.0	48.2		mg/Kg		96	80 - 120	2	20
Silver	25.0	23.9		mg/Kg		96	80 - 120	2	20
Thallium	50.0	51.1		mg/Kg		102	80 - 120	2	20
Vanadium	50.0	50.3		mg/Kg		101	80 - 120	3	20
Zinc	50.0	50.6		mg/Kg		101	80 - 120	2	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-142899/1-A
Matrix: Solid
Analysis Batch: 143048

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142899

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		08/23/13 14:44	08/26/13 16:14	1

Lab Sample ID: LCS 720-142899/2-A
Matrix: Solid
Analysis Batch: 143048

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.883		mg/Kg		106	80 - 120

Lab Sample ID: LCSD 720-142899/3-A
Matrix: Solid
Analysis Batch: 143048

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142899

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.900		mg/Kg		108	80 - 120	2	20

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 720-142926/1-A
Matrix: Solid
Analysis Batch: 143049

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142926

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		08/23/13 18:09	08/26/13 18:06	1

Lab Sample ID: LCS 720-142926/2-A
Matrix: Solid
Analysis Batch: 143049

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142926

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.833	0.933		mg/Kg		112	80 - 120		

Lab Sample ID: LCSD 720-142926/3-A
Matrix: Solid
Analysis Batch: 143049

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142926

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.833	0.925		mg/Kg		111	80 - 120	1	20

Method: 9045C - pH

Lab Sample ID: LCS 720-142943/1
Matrix: Solid
Analysis Batch: 142943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			7.00	7.010		SU		100	99 - 101		

Lab Sample ID: 720-51795-5 DU
Matrix: Solid
Analysis Batch: 142943

Client Sample ID: COMPOSITE-BP4-4
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.85			7.860		SU				0.1	20

GC/MS VOA

Analysis Batch: 142838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-5	COMPOSITE-BP4-4	Total/NA	Solid	8260B/CA_LUFT MS	142874
720-51795-10	COMPOSITE-BP4-5	Total/NA	Solid	8260B/CA_LUFT MS	142874
720-51795-15	COMPOSITE-BP4-3	Total/NA	Solid	8260B/CA_LUFT MS	142874
720-51795-20	COMPOSITE-BP4-2	Total/NA	Solid	8260B/CA_LUFT MS	142874
720-51795-30	COMPOSTE-BP3-4	Total/NA	Solid	8260B/CA_LUFT MS	142874
720-51795-40	COMPOSTE-BP3-3	Total/NA	Solid	8260B/CA_LUFT MS	142874
720-51795-45	COMPOSTE-BP3-2	Total/NA	Solid	8260B/CA_LUFT MS	142874
LCS 720-142838/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-142838/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-142838/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 142874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-5	COMPOSITE-BP4-4	Total/NA	Solid	5030B	
720-51795-10	COMPOSITE-BP4-5	Total/NA	Solid	5030B	
720-51795-15	COMPOSITE-BP4-3	Total/NA	Solid	5030B	
720-51795-20	COMPOSITE-BP4-2	Total/NA	Solid	5030B	
720-51795-30	COMPOSTE-BP3-4	Total/NA	Solid	5030B	
720-51795-40	COMPOSTE-BP3-3	Total/NA	Solid	5030B	
720-51795-45	COMPOSTE-BP3-2	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 142859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-5	COMPOSITE-BP4-4	Total/NA	Solid	3546	
720-51795-10	COMPOSITE-BP4-5	Total/NA	Solid	3546	
720-51795-15	COMPOSITE-BP4-3	Total/NA	Solid	3546	
720-51795-20	COMPOSITE-BP4-2	Total/NA	Solid	3546	
720-51795-25	COMPOSITE-BP4-1	Total/NA	Solid	3546	
720-51795-30	COMPOSTE-BP3-4	Total/NA	Solid	3546	
720-51795-35	COMPOSTE-BP3-1	Total/NA	Solid	3546	
720-51795-40	COMPOSTE-BP3-3	Total/NA	Solid	3546	
720-51795-45	COMPOSTE-BP3-2	Total/NA	Solid	3546	
LCS 720-142859/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-142859/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-142859/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 142869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-142859/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	142859
LCSD 720-142859/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C SIM	142859
MB 720-142859/1-A	Method Blank	Total/NA	Solid	8270C SIM	142859

GC/MS Semi VOA (Continued)

Analysis Batch: 143051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-5	COMPOSITE-BP4-4	Total/NA	Solid	8270C SIM	142859
720-51795-10	COMPOSITE-BP4-5	Total/NA	Solid	8270C SIM	142859
720-51795-15	COMPOSITE-BP4-3	Total/NA	Solid	8270C SIM	142859
720-51795-20	COMPOSITE-BP4-2	Total/NA	Solid	8270C SIM	142859
720-51795-25	COMPOSITE-BP4-1	Total/NA	Solid	8270C SIM	142859
720-51795-30	COMPOSTE-BP3-4	Total/NA	Solid	8270C SIM	142859
720-51795-35	COMPOSTE-BP3-1	Total/NA	Solid	8270C SIM	142859
720-51795-40	COMPOSTE-BP3-3	Total/NA	Solid	8270C SIM	142859
720-51795-45	COMPOSTE-BP3-2	Total/NA	Solid	8270C SIM	142859

GC Semi VOA

Analysis Batch: 142842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-5	COMPOSITE-BP4-4	Silica Gel Cleanup	Solid	8015B	142875
LCS 720-142875/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	142875
LCSD 720-142875/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	142875
MB 720-142875/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	142875

Prep Batch: 142875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-5	COMPOSITE-BP4-4	Silica Gel Cleanup	Solid	3546	
720-51795-10	COMPOSITE-BP4-5	Silica Gel Cleanup	Solid	3546	
720-51795-15	COMPOSITE-BP4-3	Silica Gel Cleanup	Solid	3546	
720-51795-20	COMPOSITE-BP4-2	Silica Gel Cleanup	Solid	3546	
720-51795-30	COMPOSTE-BP3-4	Silica Gel Cleanup	Solid	3546	
720-51795-40	COMPOSTE-BP3-3	Silica Gel Cleanup	Solid	3546	
720-51795-45	COMPOSTE-BP3-2	Silica Gel Cleanup	Solid	3546	
LCS 720-142875/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-142875/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-142875/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 142955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-10	COMPOSITE-BP4-5	Silica Gel Cleanup	Solid	8015B	142875
720-51795-15	COMPOSITE-BP4-3	Silica Gel Cleanup	Solid	8015B	142875
720-51795-20	COMPOSITE-BP4-2	Silica Gel Cleanup	Solid	8015B	142875

Analysis Batch: 142956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-30	COMPOSTE-BP3-4	Silica Gel Cleanup	Solid	8015B	142875
720-51795-40	COMPOSTE-BP3-3	Silica Gel Cleanup	Solid	8015B	142875
720-51795-45	COMPOSTE-BP3-2	Silica Gel Cleanup	Solid	8015B	142875

Metals

Prep Batch: 142899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-5	COMPOSITE-BP4-4	Total/NA	Solid	7471A	
720-51795-10	COMPOSITE-BP4-5	Total/NA	Solid	7471A	

Metals (Continued)

Prep Batch: 142899 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-15	COMPOSITE-BP4-3	Total/NA	Solid	7471A	
720-51795-20	COMPOSITE-BP4-2	Total/NA	Solid	7471A	
720-51795-30	COMPOSTE-BP3-4	Total/NA	Solid	7471A	
720-51795-40	COMPOSTE-BP3-3	Total/NA	Solid	7471A	
LCS 720-142899/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-142899/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-142899/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 142912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-5	COMPOSITE-BP4-4	Total/NA	Solid	3050B	
720-51795-10	COMPOSITE-BP4-5	Total/NA	Solid	3050B	
720-51795-15	COMPOSITE-BP4-3	Total/NA	Solid	3050B	
720-51795-20	COMPOSITE-BP4-2	Total/NA	Solid	3050B	
720-51795-30	COMPOSTE-BP3-4	Total/NA	Solid	3050B	
720-51795-40	COMPOSTE-BP3-3	Total/NA	Solid	3050B	
720-51795-45	COMPOSTE-BP3-2	Total/NA	Solid	3050B	
LCS 720-142912/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-142912/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
MB 720-142912/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 142926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-45	COMPOSTE-BP3-2	Total/NA	Solid	7471A	
LCS 720-142926/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-142926/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-142926/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 142972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-5	COMPOSITE-BP4-4	Total/NA	Solid	6010B	142912
720-51795-10	COMPOSITE-BP4-5	Total/NA	Solid	6010B	142912
720-51795-15	COMPOSITE-BP4-3	Total/NA	Solid	6010B	142912
720-51795-20	COMPOSITE-BP4-2	Total/NA	Solid	6010B	142912
720-51795-30	COMPOSTE-BP3-4	Total/NA	Solid	6010B	142912
720-51795-40	COMPOSTE-BP3-3	Total/NA	Solid	6010B	142912
720-51795-45	COMPOSTE-BP3-2	Total/NA	Solid	6010B	142912
LCS 720-142912/2-A	Lab Control Sample	Total/NA	Solid	6010B	142912
LCSD 720-142912/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	142912
MB 720-142912/1-A	Method Blank	Total/NA	Solid	6010B	142912

Analysis Batch: 143048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-5	COMPOSITE-BP4-4	Total/NA	Solid	7471A	142899
720-51795-10	COMPOSITE-BP4-5	Total/NA	Solid	7471A	142899
720-51795-15	COMPOSITE-BP4-3	Total/NA	Solid	7471A	142899
720-51795-20	COMPOSITE-BP4-2	Total/NA	Solid	7471A	142899
720-51795-30	COMPOSTE-BP3-4	Total/NA	Solid	7471A	142899
720-51795-40	COMPOSTE-BP3-3	Total/NA	Solid	7471A	142899
LCS 720-142899/2-A	Lab Control Sample	Total/NA	Solid	7471A	142899
LCSD 720-142899/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	142899

Metals (Continued)

Analysis Batch: 143048 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-142899/1-A	Method Blank	Total/NA	Solid	7471A	142899

Analysis Batch: 143049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-45	COMPOSTE-BP3-2	Total/NA	Solid	7471A	142926
LCS 720-142926/2-A	Lab Control Sample	Total/NA	Solid	7471A	142926
LCSD 720-142926/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	142926
MB 720-142926/1-A	Method Blank	Total/NA	Solid	7471A	142926

General Chemistry

Leach Batch: 142920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-5	COMPOSITE-BP4-4	Soluble	Solid	DI Leach	
720-51795-5 DU	COMPOSITE-BP4-4	Soluble	Solid	DI Leach	
720-51795-10	COMPOSITE-BP4-5	Soluble	Solid	DI Leach	
720-51795-15	COMPOSITE-BP4-3	Soluble	Solid	DI Leach	
720-51795-20	COMPOSITE-BP4-2	Soluble	Solid	DI Leach	
720-51795-30	COMPOSTE-BP3-4	Soluble	Solid	DI Leach	
720-51795-40	COMPOSTE-BP3-3	Soluble	Solid	DI Leach	
720-51795-45	COMPOSTE-BP3-2	Soluble	Solid	DI Leach	

Analysis Batch: 142943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51795-5	COMPOSITE-BP4-4	Soluble	Solid	9045C	142920
720-51795-5 DU	COMPOSITE-BP4-4	Soluble	Solid	9045C	142920
720-51795-10	COMPOSITE-BP4-5	Soluble	Solid	9045C	142920
720-51795-15	COMPOSITE-BP4-3	Soluble	Solid	9045C	142920
720-51795-20	COMPOSITE-BP4-2	Soluble	Solid	9045C	142920
720-51795-30	COMPOSTE-BP3-4	Soluble	Solid	9045C	142920
720-51795-40	COMPOSTE-BP3-3	Soluble	Solid	9045C	142920
720-51795-45	COMPOSTE-BP3-2	Soluble	Solid	9045C	142920
LCS 720-142943/1	Lab Control Sample	Total/NA	Solid	9045C	

Client Sample ID: COMPOSITE-BP4-4

Lab Sample ID: 720-51795-5

Date Collected: 08/20/13 15:00

Matrix: Solid

Date Received: 08/20/13 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142874	08/23/13 11:45	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142838	08/23/13 14:27	PDR	TAL PLS
Total/NA	Prep	3546			142859	08/23/13 18:02	MRP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/26/13 22:41	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			142875	08/23/13 12:11	NVP	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142842	08/24/13 03:44	DCH	TAL PLS
Total/NA	Prep	3050B			142912	08/23/13 15:34	CTD	TAL PLS
Total/NA	Analysis	6010B		4	142972	08/24/13 01:10	SLK	TAL PLS
Total/NA	Prep	7471A			142899	08/23/13 14:44	JCR	TAL PLS
Total/NA	Analysis	7471A		1	143048	08/26/13 16:49	CAM	TAL PLS
Soluble	Leach	DI Leach			142920	08/23/13 18:20	MJK	TAL PLS
Soluble	Analysis	9045C		1	142943	08/23/13 21:14	EYT	TAL PLS

Client Sample ID: COMPOSITE-BP4-5

Lab Sample ID: 720-51795-10

Date Collected: 08/20/13 14:55

Matrix: Solid

Date Received: 08/20/13 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142874	08/23/13 11:45	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142838	08/23/13 14:56	PDR	TAL PLS
Total/NA	Prep	3546			142859	08/23/13 18:02	MRP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/26/13 23:04	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			142875	08/23/13 12:11	NVP	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142955	08/24/13 13:34	DCH	TAL PLS
Total/NA	Prep	3050B			142912	08/23/13 15:34	CTD	TAL PLS
Total/NA	Analysis	6010B		4	142972	08/24/13 01:15	SLK	TAL PLS
Total/NA	Prep	7471A			142899	08/23/13 14:44	JCR	TAL PLS
Total/NA	Analysis	7471A		1	143048	08/26/13 16:52	CAM	TAL PLS
Soluble	Leach	DI Leach			142920	08/23/13 18:20	MJK	TAL PLS
Soluble	Analysis	9045C		1	142943	08/23/13 21:19	EYT	TAL PLS

Client Sample ID: COMPOSITE-BP4-3

Lab Sample ID: 720-51795-15

Date Collected: 08/20/13 14:46

Matrix: Solid

Date Received: 08/20/13 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142874	08/23/13 11:45	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142838	08/23/13 15:25	PDR	TAL PLS
Total/NA	Prep	3546			142859	08/23/13 18:02	MRP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/26/13 23:27	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			142875	08/23/13 12:11	NVP	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142955	08/24/13 13:58	DCH	TAL PLS
Total/NA	Prep	3050B			142912	08/23/13 15:34	CTD	TAL PLS

Client Sample ID: COMPOSITE-BP4-3

Lab Sample ID: 720-51795-15

Date Collected: 08/20/13 14:46

Matrix: Solid

Date Received: 08/20/13 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		4	142972	08/24/13 01:28	SLK	TAL PLS
Total/NA	Prep	7471A			142899	08/23/13 14:44	JCR	TAL PLS
Total/NA	Analysis	7471A		1	143048	08/26/13 16:54	CAM	TAL PLS
Soluble	Leach	DI Leach			142920	08/23/13 18:20	MJK	TAL PLS
Soluble	Analysis	9045C		1	142943	08/23/13 21:20	EYT	TAL PLS

Client Sample ID: COMPOSITE-BP4-2

Lab Sample ID: 720-51795-20

Date Collected: 08/20/13 14:36

Matrix: Solid

Date Received: 08/20/13 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142874	08/23/13 11:45	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142838	08/23/13 15:54	PDR	TAL PLS
Total/NA	Prep	3546			142859	08/23/13 18:02	MRP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/26/13 23:50	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			142875	08/23/13 12:11	NVP	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142955	08/24/13 14:23	DCH	TAL PLS
Total/NA	Prep	3050B			142912	08/23/13 15:34	CTD	TAL PLS
Total/NA	Analysis	6010B		4	142972	08/24/13 01:32	SLK	TAL PLS
Total/NA	Prep	7471A			142899	08/23/13 14:44	JCR	TAL PLS
Total/NA	Analysis	7471A		1	143048	08/26/13 16:56	CAM	TAL PLS
Soluble	Leach	DI Leach			142920	08/23/13 18:20	MJK	TAL PLS
Soluble	Analysis	9045C		1	142943	08/23/13 21:22	EYT	TAL PLS

Client Sample ID: COMPOSITE-BP4-1

Lab Sample ID: 720-51795-25

Date Collected: 08/20/13 14:28

Matrix: Solid

Date Received: 08/20/13 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			142859	08/23/13 18:02	MRP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/27/13 00:13	MQL	TAL PLS

Client Sample ID: COMPOSTE-BP3-4

Lab Sample ID: 720-51795-30

Date Collected: 08/20/13 13:25

Matrix: Solid

Date Received: 08/20/13 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142874	08/23/13 11:45	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142838	08/23/13 16:23	PDR	TAL PLS
Total/NA	Prep	3546			142859	08/23/13 18:02	MRP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/27/13 00:36	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			142875	08/23/13 12:11	NVP	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142956	08/24/13 22:31	DCH	TAL PLS

Client Sample ID: COMPOSTE-BP3-4

Lab Sample ID: 720-51795-30

Date Collected: 08/20/13 13:25

Matrix: Solid

Date Received: 08/20/13 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			142912	08/23/13 15:34	CTD	TAL PLS
Total/NA	Analysis	6010B		4	142972	08/24/13 01:37	SLK	TAL PLS
Total/NA	Prep	7471A			142899	08/23/13 14:44	JCR	TAL PLS
Total/NA	Analysis	7471A		1	143048	08/26/13 16:59	CAM	TAL PLS
Soluble	Leach	DI Leach			142920	08/23/13 18:20	MJK	TAL PLS
Soluble	Analysis	9045C		1	142943	08/23/13 21:24	EYT	TAL PLS

Client Sample ID: COMPOSTE-BP3-1

Lab Sample ID: 720-51795-35

Date Collected: 08/20/13 13:44

Matrix: Solid

Date Received: 08/20/13 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			142859	08/23/13 18:02	MRP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/27/13 00:59	MQL	TAL PLS

Client Sample ID: COMPOSTE-BP3-3

Lab Sample ID: 720-51795-40

Date Collected: 08/20/13 14:00

Matrix: Solid

Date Received: 08/20/13 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142874	08/23/13 11:45	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142838	08/23/13 16:52	PDR	TAL PLS
Total/NA	Prep	3546			142859	08/23/13 18:02	MRP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/27/13 01:22	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			142875	08/23/13 12:11	NVP	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142956	08/24/13 22:55	DCH	TAL PLS
Total/NA	Prep	3050B			142912	08/23/13 15:34	CTD	TAL PLS
Total/NA	Analysis	6010B		4	142972	08/24/13 01:41	SLK	TAL PLS
Total/NA	Prep	7471A			142899	08/23/13 14:44	JCR	TAL PLS
Total/NA	Analysis	7471A		1	143048	08/26/13 17:01	CAM	TAL PLS
Soluble	Leach	DI Leach			142920	08/23/13 18:20	MJK	TAL PLS
Soluble	Analysis	9045C		1	142943	08/23/13 21:26	EYT	TAL PLS

Client Sample ID: COMPOSTE-BP3-2

Lab Sample ID: 720-51795-45

Date Collected: 08/20/13 13:55

Matrix: Solid

Date Received: 08/20/13 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142874	08/23/13 11:45	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142838	08/23/13 17:21	PDR	TAL PLS
Total/NA	Prep	3546			142859	08/23/13 18:02	MRP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/27/13 01:45	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			142875	08/23/13 12:11	NVP	TAL PLS

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Client Sample ID: COMPOSTE-BP3-2
Date Collected: 08/20/13 13:55
Date Received: 08/20/13 17:25

Lab Sample ID: 720-51795-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Analysis	8015B		1	142956	08/24/13 23:19	DCH	TAL PLS
Total/NA	Prep	3050B			142912	08/23/13 15:34	CTD	TAL PLS
Total/NA	Analysis	6010B		4	142972	08/24/13 01:46	SLK	TAL PLS
Total/NA	Prep	7471A			142926	08/23/13 18:09	JCR	TAL PLS
Total/NA	Analysis	7471A		1	143049	08/26/13 18:20	SLK	TAL PLS
Soluble	Leach	DI Leach			142920	08/23/13 18:20	MJK	TAL PLS
Soluble	Analysis	9045C		1	142943	08/23/13 21:27	EYT	TAL PLS

Laboratory References:

EMLab San = EMLab P&K - San Bruno, 1150 Bayhill Drive #100, San Bruno, CA 94066, TEL (866)888-6653

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Laboratory: EMLab P&K - San Bruno

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
AIHA	EMLAP		102856	07-01-14
AIHA	IHLAP		102856	07-01-14
California	State Program	9	2604	01-31-15

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8270C SIM	PAHs by GCMS (SIM)	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS
9045C	pH	SW846	TAL PLS
Asbestos PLM	General Sub Contract Method	NONE	EMLab San

Protocol References:

NONE = NONE

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EMLab San = EMLab P&K - San Bruno, 1150 Bayhill Drive #100, San Bruno, CA 94066, TEL (866)888-6653

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51795-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-51795-5	COMPOSITE-BP4-4	Solid	08/20/13 15:00	08/20/13 17:25
720-51795-10	COMPOSITE-BP4-5	Solid	08/20/13 14:55	08/20/13 17:25
720-51795-15	COMPOSITE-BP4-3	Solid	08/20/13 14:46	08/20/13 17:25
720-51795-20	COMPOSITE-BP4-2	Solid	08/20/13 14:36	08/20/13 17:25
720-51795-25	COMPOSITE-BP4-1	Solid	08/20/13 14:28	08/20/13 17:25
720-51795-30	COMPOSTE-BP3-4	Solid	08/20/13 13:25	08/20/13 17:25
720-51795-35	COMPOSTE-BP3-1	Solid	08/20/13 13:44	08/20/13 17:25
720-51795-40	COMPOSTE-BP3-3	Solid	08/20/13 14:00	08/20/13 17:25
720-51795-45	COMPOSTE-BP3-2	Solid	08/20/13 13:55	08/20/13 17:25

EMLab P&K
A TestAmerica Company

Report for:

Ms. Dimple Sharma
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566

Regarding: Project: 720-51795-2
EML ID: 1105071

Approved by:

Dates of Analysis:
Asbestos-EPA Method 600/R-93/116: 08-26-2013

Approved Signatory
Miguel Ines

Service SOPs: Asbestos-EPA Method 600/R-93/116 (EPA-600/M4-82-020 (SOP 01267))

EMLab P&K
17461 Derian Ave, Suite 100, Irvine, CA 92614
(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica Pleasanton
C/O: Ms. Dimple Sharma
Re: 720-51795-2

Date of Receipt: 08-26-2013
Date of Report: 08-26-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted:	7
Total Samples Analysed:	7
Total Samples with Layer Asbestos Content > 1%:	0

Location: Composite-BP4-4 (720-51795-5) Lab ID-Version‡: 4984626-1

Sample Layers	Asbestos Content
Brown Soil With Granular Minerals	ND
Sample Composite Homogeneity:	Good

Location: Composite-BP4-5 (720-51795-10) Lab ID-Version‡: 4984627-1

Sample Layers	Asbestos Content
Brown Soil With Granular Minerals	ND
Sample Composite Homogeneity:	Good

Location: Composite-BP4-3 (720-51795-15) Lab ID-Version‡: 4984628-1

Sample Layers	Asbestos Content
Brown Soil With Granular Minerals	ND
Sample Composite Homogeneity:	Good

Location: Composite-BP4-2 (720-51795-20) Lab ID-Version‡: 4984629-1

Sample Layers	Asbestos Content
Brown Soil With Granular Minerals	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K
17461 Derian Ave, Suite 100, Irvine, CA 92614
(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica Pleasanton
C/O: Ms. Dimple Sharma
Re: 720-51795-2

Date of Receipt: 08-26-2013
Date of Report: 08-26-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: Composite-BP3-4 (720-51795-30) Lab ID-Version‡: 4984630-1

Sample Layers	Asbestos Content
Brown Soil With Granular Minerals	ND
Sample Composite Homogeneity:	Good

Location: Composite-BP3-3 (720-51795-40) Lab ID-Version‡: 4984631-1

Sample Layers	Asbestos Content
Brown Soil With Granular Minerals	ND
Sample Composite Homogeneity:	Good

Location: Composite-BP3-2 (720-51795-45) Lab ID-Version‡: 4984632-1

Sample Layers	Asbestos Content
Brown Soil With Granular Minerals	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

720-51795

148077

CHAIN OF CUSTODY RECORD

HALEY & ALDRICH

Haley & Aldrich, Inc.
2033 N. Main St, Ste 309
Walnut Creek, CA 94596-7260

Phone (925) 949-1012
Fax (925) 979-1456
Page 1 of 1

H&A FILE NO.	39792-	LABORATORY	Test America, Pleasanton, Ca
PROJECT NAME	Former Hanson Aggregate Facility	ADDRESS	1200 Quarry Lane, 94566
H&A CONTACT	J. Sebik, R Brownsberger 925-357-7355	CONTACT	Dimple Sharma
DELIVERY DATE			
TURNAROUND TIME	~~24 hour~~ 48 HR		
PROJECT MANAGER	K. Guthrie, J Schwartz		

Sample No.	Date	Time	Depth	Type	Number of Containers
Composite-BP4-4	8/20/13	1500	-	S	4
Composite-BP4-5		1455	-		4
Composite-BP4-3		1446	-		4
Composite-BP4-2		1436	-		4
Composite-BP4-1		1428	-		4
Composite-BP3-4		1325	-		4
Composite-BP3-1		1344	-		4
Composite-BP3-3		1400	-		4
Composite-BP3-2		1355	-		4

Analysis Requested: TPH-d/mo by 8015B with silica gel cleanup; Naphthalene ONLY by 8270C SIM; Proctor Test (Compaction Curve); CAM17 metals; TPH-g; pH by 9040; VOCs; SVOCs; Asbestos by CARB 435; bulk PLM

Comments (special instructions, precautions, additional method numbers, etc.)

Please composite each sample (4 8oz glass jars each) in lab

RUSH

Sampled and Relinquished by	Received by
Sign Joanna Sebik	Sign
Print JOANNA SEBIK	Print
Firm Haley & Aldrich	Firm ~~Test~~ Amec
Date 8/20/13 Time 1725	Date 8-20-13 Time 725
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date Time
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date Time

LIQUID: VOA Vial; Amber Glass; Plastic Bottle

SOLID: X; A; 8oz; Clear Glass; Preservative; Volume

720-51795 Chain of Custody

Sampling Comments: Archive all samples after analysis.

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

5.1e

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples. Trip Blanks and Field Duplicates are included and identified and analysis of TICs are required, as appropriate Laboratory should (specify if applicable) _____ analyz

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

September 2012

Form 3003

8/27/2013

720-51795-2

Mullen, Joan

From: Sharma, Dimple
Sent: Friday, August 23, 2013 8:31 AM
To: Mullen, Joan
Subject: FW: Samples off hold

Dimple Sharma

Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

1220 Quarry Lane

Pleasanton, CA 94566

Tel 925.484.1919 ext. 103 | Fax 925.600.3002

www.testamericainc.com

720-51795 Chain of Custody

-----Original Message-----
From: Sebik, Joanna [mailto:JSebik@haleyaldrich.com]
Sent: Friday, August 23, 2013 8:10 AM
To: Sharma, Dimple
Cc: Guthrie, Kristin; Schwartz, James
Subject: Samples off hold

RUSH

Dimple,

Please proceed with analysis of the "hold" samples submitted on Tuesday August 20. Sample ids are: BP3-2, BP3-3, BP3-4, BP4-2, BP4-3, BP4-4, and BP4-5. Please also add 8270 for PAHs to the list of analyses.

Additionally, would it be possible to add the PAH analysis for the samples submitted that day that were not on hold?

I will be submitting at least 5 4-point composite samples for that full list of analyses today on a 24 hr turn. If 8270 cannot be run on the samples from Tuesday that number will be greater.

Please call me if you have any questions.

Thank you,

Joanna Sebik

<tel:925-357-7355>

925-357-7355

Sent from my Verizon Wireless 4G LTE Smartphone.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 720-51795-2

Login Number: 51795

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

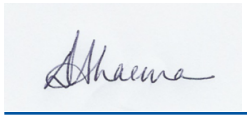
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-51890-1
Client Project/Site: Hansen

For:
Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, California 94596

Attn: Kristin Guthrie



Authorized for release by:
8/27/2013 3:55:09 PM

Dimple Sharma, Project Manager I
dimple.sharma@testamericainc.com

Table of Contents

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-51890-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-51890-1

Comments
No additional comments.

Receipt
The samples were received on 8/23/2013 4:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 3.8º C.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

GC VOA
No analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51890-1

Client Sample ID: BP2-1-082313 — Lab Sample ID: 720-51890-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.0		3.9		mg/Kg	4		6010B	Total/NA
Barium	110		1.9		mg/Kg	4		6010B	Total/NA
Chromium	38		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	9.7		0.78		mg/Kg	4		6010B	Total/NA
Copper	26		5.8		mg/Kg	4		6010B	Total/NA
Lead	7.9		1.9		mg/Kg	4		6010B	Total/NA
Nickel	55		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	30		1.9		mg/Kg	4		6010B	Total/NA
Zinc	48		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.11		0.0083		mg/Kg	1		7471A	Total/NA
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**Dil Fac**	**D**	**Method**	**Prep Type**
pH	8.07		0.100		SU	1		9045C	Soluble

Client Sample ID: BP2-2-082313 — Lab Sample ID: 720-51890-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	6.1		4.9		ug/Kg	1		8270C SIM	Total/NA
Pyrene	5.5		4.9		ug/Kg	1		8270C SIM	Total/NA
Diesel Range Organics [C10-C28]	1.9		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Barium	100		1.9		mg/Kg	4		6010B	Total/NA
Chromium	43		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	10		0.77		mg/Kg	4		6010B	Total/NA
Copper	37		5.8		mg/Kg	4		6010B	Total/NA
Lead	6.6		1.9		mg/Kg	4		6010B	Total/NA
Nickel	55		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	35		1.9		mg/Kg	4		6010B	Total/NA
Zinc	48		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.19		0.0083		mg/Kg	1		7471A	Total/NA
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**Dil Fac**	**D**	**Method**	**Prep Type**
pH	7.54		0.100		SU	1		9045C	Soluble

Client Sample ID: BP2-3-082313 — Lab Sample ID: 720-51890-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.3		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	4.1		3.9		mg/Kg	4		6010B	Total/NA
Barium	130		2.0		mg/Kg	4		6010B	Total/NA
Chromium	52		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	10		0.78		mg/Kg	4		6010B	Total/NA
Copper	67		5.9		mg/Kg	4		6010B	Total/NA
Lead	9.1		2.0		mg/Kg	4		6010B	Total/NA
Nickel	66		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	33		2.0		mg/Kg	4		6010B	Total/NA
Zinc	52		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.13		0.0090		mg/Kg	1		7471A	Total/NA
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**Dil Fac**	**D**	**Method**	**Prep Type**
pH	7.55		0.100		SU	1		9045C	Soluble

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51890-1

Client Sample ID: BP2-4-082313 — Lab Sample ID: 720-51890-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.8		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	5.1		3.8		mg/Kg	4		6010B	Total/NA
Barium	150		1.9		mg/Kg	4		6010B	Total/NA
Chromium	46		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	11		0.77		mg/Kg	4		6010B	Total/NA
Copper	34		5.8		mg/Kg	4		6010B	Total/NA
Lead	7.2		1.9		mg/Kg	4		6010B	Total/NA
Nickel	62		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	35		1.9		mg/Kg	4		6010B	Total/NA
Zinc	50		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.11		0.0086		mg/Kg	1		7471A	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.80		0.100		SU	1		9045C	Soluble

Client Sample ID: BP2-5-082313 — Lab Sample ID: 720-51890-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.9		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Barium	160		2.0		mg/Kg	4		6010B	Total/NA
Chromium	47		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	11		0.79		mg/Kg	4		6010B	Total/NA
Copper	32		5.9		mg/Kg	4		6010B	Total/NA
Lead	7.6		2.0		mg/Kg	4		6010B	Total/NA
Nickel	68		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	39		2.0		mg/Kg	4		6010B	Total/NA
Zinc	58		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.16		0.0087		mg/Kg	1		7471A	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.78		0.100		SU	1		9045C	Soluble

Client Sample ID: BP2-6-082313 — Lab Sample ID: 720-51890-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.4		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Barium	140		1.9		mg/Kg	4		6010B	Total/NA
Chromium	46		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	10		0.76		mg/Kg	4		6010B	Total/NA
Copper	32		5.7		mg/Kg	4		6010B	Total/NA
Lead	8.2		1.9		mg/Kg	4		6010B	Total/NA
Nickel	63		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	35		1.9		mg/Kg	4		6010B	Total/NA
Zinc	60		5.7		mg/Kg	4		6010B	Total/NA
Mercury	0.10		0.0087		mg/Kg	1		7471A	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.81		0.100		SU	1		9045C	Soluble

Client Sample ID: BP2-7-082313 — Lab Sample ID: 720-51890-35

This Detection Summary does not include radiochemical test results.

Client Sample ID: BP2-7-082313 (Continued)

Lab Sample ID: 720-51890-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.1		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Barium	130		1.8		mg/Kg	4		6010B	Total/NA
Chromium	43		1.8		mg/Kg	4		6010B	Total/NA
Cobalt	8.9		0.73		mg/Kg	4		6010B	Total/NA
Copper	29		5.5		mg/Kg	4		6010B	Total/NA
Lead	7.4		1.8		mg/Kg	4		6010B	Total/NA
Nickel	57		1.8		mg/Kg	4		6010B	Total/NA
Vanadium	32		1.8		mg/Kg	4		6010B	Total/NA
Zinc	48		5.5		mg/Kg	4		6010B	Total/NA
Mercury	0.093		0.0092		mg/Kg	1		7471A	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.94		0.100		SU	1		9045C	Soluble

Client Sample ID: BP2-8-082313

Lab Sample ID: 720-51890-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	6.2		5.0		ug/Kg	1		8270C SIM	Total/NA
Barium	120		1.9		mg/Kg	4		6010B	Total/NA
Chromium	47		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	8.9		0.78		mg/Kg	4		6010B	Total/NA
Copper	27		5.8		mg/Kg	4		6010B	Total/NA
Lead	8.0		1.9		mg/Kg	4		6010B	Total/NA
Nickel	64		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	33		1.9		mg/Kg	4		6010B	Total/NA
Zinc	49		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.085		0.0088		mg/Kg	1		7471A	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.85		0.100		SU	1		9045C	Soluble

This Detection Summary does not include radiochemical test results.

Client Sample ID: BP2-1-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-5
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		220		ug/Kg		08/26/13 09:32	08/26/13 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*79*		*45 - 131*	*08/26/13 09:32*	*08/26/13 11:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 140*	*08/26/13 09:32*	*08/26/13 11:55*	*1*
Toluene-d8 (Surr)	*90*		*58 - 140*	*08/26/13 09:32*	*08/26/13 11:55*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:31	1
Acenaphthylene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:31	1
Anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:31	1
Benzo[a]anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:31	1
Benzo[a]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:31	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:31	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:31	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:31	1
Chrysene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:31	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:31	1
Fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:31	1
Fluorene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:31	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:31	1
Naphthalene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:31	1
Phenanthrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:31	1
Pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*33 - 120*	*08/23/13 18:02*	*08/27/13 02:31*	*1*
Terphenyl-d14	*90*		*35 - 146*	*08/23/13 18:02*	*08/27/13 02:31*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		08/23/13 20:35	08/24/13 22:55	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/23/13 20:35	08/24/13 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 1*	*08/23/13 20:35*	*08/24/13 22:55*	*1*
p-Terphenyl	*87*		*38 - 148*	*08/23/13 20:35*	*08/24/13 22:55*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:32	4
Arsenic	**4.0**		3.9		mg/Kg		08/23/13 20:02	08/26/13 11:32	4
Barium	**110**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:32	4
Beryllium	ND		0.39		mg/Kg		08/23/13 20:02	08/26/13 11:32	4
Cadmium	ND		0.49		mg/Kg		08/23/13 20:02	08/26/13 11:32	4
Chromium	**38**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:32	4
Cobalt	**9.7**		0.78		mg/Kg		08/23/13 20:02	08/26/13 11:32	4
Copper	**26**		5.8		mg/Kg		08/23/13 20:02	08/26/13 11:32	4
Lead	**7.9**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:32	4

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51890-1

Client Sample ID: BP2-1-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-5
Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:32	4
Nickel	**55**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:32	4
Selenium	ND		3.9		mg/Kg		08/23/13 20:02	08/26/13 11:32	4
Silver	ND		0.97		mg/Kg		08/23/13 20:02	08/26/13 11:32	4
Thallium	ND		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:32	4
Vanadium	**30**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:32	4
Zinc	**48**		5.8		mg/Kg		08/23/13 20:02	08/26/13 11:32	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.0083		mg/Kg		08/24/13 14:29	08/26/13 13:52	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.07**		0.100		SU			08/26/13 16:09	1

Client Sample ID: BP2-2-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-10
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/23/13 22:23	08/23/13 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*45 - 131*	*08/23/13 22:23*	*08/23/13 23:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*60 - 140*	*08/23/13 22:23*	*08/23/13 23:50*	*1*
Toluene-d8 (Surr)	*91*		*58 - 140*	*08/23/13 22:23*	*08/23/13 23:50*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:55	1
Acenaphthylene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:55	1
Anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:55	1
Benzo[a]anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:55	1
Benzo[a]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:55	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:55	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:55	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:55	1
Chrysene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:55	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:55	1
Fluoranthene	**6.1**		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:55	1
Fluorene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:55	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:55	1
Naphthalene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:55	1
Phenanthrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:55	1
Pyrene	**5.5**		4.9		ug/Kg		08/23/13 18:02	08/27/13 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*33 - 120*	*08/23/13 18:02*	*08/27/13 02:55*	*1*
Terphenyl-d14	*80*		*35 - 146*	*08/23/13 18:02*	*08/27/13 02:55*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.9**		0.99		mg/Kg		08/23/13 20:35	08/24/13 23:19	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/23/13 20:35	08/24/13 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.001*		*0 - 1*	*08/23/13 20:35*	*08/24/13 23:19*	*1*
p-Terphenyl	*82*		*38 - 148*	*08/23/13 20:35*	*08/24/13 23:19*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:36	4
Arsenic	ND		3.8		mg/Kg		08/23/13 20:02	08/26/13 11:36	4
Barium	**100**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:36	4
Beryllium	ND		0.38		mg/Kg		08/23/13 20:02	08/26/13 11:36	4
Cadmium	ND		0.48		mg/Kg		08/23/13 20:02	08/26/13 11:36	4
Chromium	**43**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:36	4
Cobalt	**10**		0.77		mg/Kg		08/23/13 20:02	08/26/13 11:36	4
Copper	**37**		5.8		mg/Kg		08/23/13 20:02	08/26/13 11:36	4
Lead	**6.6**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:36	4

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51890-1

Client Sample ID: BP2-2-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-10
Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:36	4
Nickel	**55**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:36	4
Selenium	ND		3.8		mg/Kg		08/23/13 20:02	08/26/13 11:36	4
Silver	ND		0.96		mg/Kg		08/23/13 20:02	08/26/13 11:36	4
Thallium	ND		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:36	4
Vanadium	**35**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:36	4
Zinc	**48**		5.8		mg/Kg		08/23/13 20:02	08/26/13 11:36	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.19**		0.0083		mg/Kg		08/24/13 14:29	08/26/13 13:55	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.54**		0.100		SU			08/26/13 16:15	1

Client Sample ID: BP2-3-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-15
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/23/13 22:23	08/24/13 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*83*		*45 - 131*	*08/23/13 22:23*	*08/24/13 00:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*60 - 140*	*08/23/13 22:23*	*08/24/13 00:18*	*1*
Toluene-d8 (Surr)	*92*		*58 - 140*	*08/23/13 22:23*	*08/24/13 00:18*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 03:18	1
Acenaphthylene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 03:18	1
Anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 03:18	1
Benzo[a]anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 03:18	1
Benzo[a]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 03:18	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 03:18	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 03:18	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 03:18	1
Chrysene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 03:18	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 03:18	1
Fluoranthene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 03:18	1
Fluorene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 03:18	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 03:18	1
Naphthalene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 03:18	1
Phenanthrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 03:18	1
Pyrene	ND		4.9		ug/Kg		08/23/13 18:02	08/27/13 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*33 - 120*	*08/23/13 18:02*	*08/27/13 03:18*	*1*
Terphenyl-d14	*102*		*35 - 146*	*08/23/13 18:02*	*08/27/13 03:18*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.3**		1.0		mg/Kg		08/23/13 20:35	08/24/13 23:44	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/23/13 20:35	08/24/13 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.002*		*0 - 1*	*08/23/13 20:35*	*08/24/13 23:44*	*1*
p-Terphenyl	*85*		*38 - 148*	*08/23/13 20:35*	*08/24/13 23:44*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		08/23/13 20:02	08/26/13 11:41	4
Arsenic	**4.1**		3.9		mg/Kg		08/23/13 20:02	08/26/13 11:41	4
Barium	**130**		2.0		mg/Kg		08/23/13 20:02	08/26/13 11:41	4
Beryllium	ND		0.39		mg/Kg		08/23/13 20:02	08/26/13 11:41	4
Cadmium	ND		0.49		mg/Kg		08/23/13 20:02	08/26/13 11:41	4
Chromium	**52**		2.0		mg/Kg		08/23/13 20:02	08/26/13 11:41	4
Cobalt	**10**		0.78		mg/Kg		08/23/13 20:02	08/26/13 11:41	4
Copper	**67**		5.9		mg/Kg		08/23/13 20:02	08/26/13 11:41	4
Lead	**9.1**		2.0		mg/Kg		08/23/13 20:02	08/26/13 11:41	4

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51890-1

Client Sample ID: BP2-3-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-15
Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		08/23/13 20:02	08/26/13 11:41	4
Nickel	**66**		2.0		mg/Kg		08/23/13 20:02	08/26/13 11:41	4
Selenium	ND		3.9		mg/Kg		08/23/13 20:02	08/26/13 11:41	4
Silver	ND		0.98		mg/Kg		08/23/13 20:02	08/26/13 11:41	4
Thallium	ND		2.0		mg/Kg		08/23/13 20:02	08/26/13 11:41	4
Vanadium	**33**		2.0		mg/Kg		08/23/13 20:02	08/26/13 11:41	4
Zinc	**52**		5.9		mg/Kg		08/23/13 20:02	08/26/13 11:41	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.13**		0.0090		mg/Kg		08/24/13 14:29	08/26/13 13:57	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.55**		0.100		SU			08/26/13 16:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51890-1

Client Sample ID: BP2-4-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-20
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		08/23/13 22:23	08/24/13 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*80*		*45 - 131*	*08/23/13 22:23*	*08/24/13 00:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*	*08/23/13 22:23*	*08/24/13 00:47*	*1*
Toluene-d8 (Surr)	*90*		*58 - 140*	*08/23/13 22:23*	*08/24/13 00:47*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 03:41	1
Acenaphthylene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 03:41	1
Anthracene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 03:41	1
Benzo[a]anthracene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 03:41	1
Benzo[a]pyrene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 03:41	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 03:41	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 03:41	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 03:41	1
Chrysene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 03:41	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 03:41	1
Fluoranthene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 03:41	1
Fluorene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 03:41	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 03:41	1
Naphthalene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 03:41	1
Phenanthrene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 03:41	1
Pyrene	ND		5.0		ug/Kg		08/23/13 18:02	08/27/13 03:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*33 - 120*	*08/23/13 18:02*	*08/27/13 03:41*	*1*
Terphenyl-d14	*91*		*35 - 146*	*08/23/13 18:02*	*08/27/13 03:41*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.8**		0.99		mg/Kg		08/23/13 20:35	08/25/13 00:08	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/23/13 20:35	08/25/13 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.002*		*0 - 1*	*08/23/13 20:35*	*08/25/13 00:08*	*1*
p-Terphenyl	*89*		*38 - 148*	*08/23/13 20:35*	*08/25/13 00:08*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:45	4
Arsenic	**5.1**		3.8		mg/Kg		08/23/13 20:02	08/26/13 11:45	4
Barium	**150**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:45	4
Beryllium	ND		0.38		mg/Kg		08/23/13 20:02	08/26/13 11:45	4
Cadmium	ND		0.48		mg/Kg		08/23/13 20:02	08/26/13 11:45	4
Chromium	**46**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:45	4
Cobalt	**11**		0.77		mg/Kg		08/23/13 20:02	08/26/13 11:45	4
Copper	**34**		5.8		mg/Kg		08/23/13 20:02	08/26/13 11:45	4
Lead	**7.2**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:45	4

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51890-1

Client Sample ID: BP2-4-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-20
Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:45	4
Nickel	**62**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:45	4
Selenium	ND		3.8		mg/Kg		08/23/13 20:02	08/26/13 11:45	4
Silver	ND		0.96		mg/Kg		08/23/13 20:02	08/26/13 11:45	4
Thallium	ND		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:45	4
Vanadium	**35**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:45	4
Zinc	**50**		5.8		mg/Kg		08/23/13 20:02	08/26/13 11:45	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.0086		mg/Kg		08/24/13 14:29	08/26/13 14:00	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.80**		0.100		SU			08/26/13 16:19	1

Client Sample ID: BP2-5-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-25
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/23/13 22:23	08/24/13 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*45 - 131*	*08/23/13 22:23*	*08/24/13 01:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*60 - 140*	*08/23/13 22:23*	*08/24/13 01:15*	*1*
Toluene-d8 (Surr)	*90*		*58 - 140*	*08/23/13 22:23*	*08/24/13 01:15*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:36	1
Acenaphthylene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:36	1
Anthracene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:36	1
Benzo[a]anthracene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:36	1
Benzo[a]pyrene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:36	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:36	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:36	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:36	1
Chrysene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:36	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:36	1
Fluoranthene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:36	1
Fluorene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:36	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:36	1
Naphthalene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:36	1
Phenanthrene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:36	1
Pyrene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*33 - 120*	*08/26/13 08:21*	*08/27/13 05:36*	*1*
Terphenyl-d14	*108*		*35 - 146*	*08/26/13 08:21*	*08/27/13 05:36*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.9**		1.0		mg/Kg		08/23/13 20:35	08/25/13 00:32	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/23/13 20:35	08/25/13 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.003*		*0 - 1*	*08/23/13 20:35*	*08/25/13 00:32*	*1*
p-Terphenyl	*82*		*38 - 148*	*08/23/13 20:35*	*08/25/13 00:32*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		08/23/13 20:02	08/26/13 11:50	4
Arsenic	ND		4.0		mg/Kg		08/23/13 20:02	08/26/13 11:50	4
Barium	**160**		2.0		mg/Kg		08/23/13 20:02	08/26/13 11:50	4
Beryllium	ND		0.40		mg/Kg		08/23/13 20:02	08/26/13 11:50	4
Cadmium	ND		0.50		mg/Kg		08/23/13 20:02	08/26/13 11:50	4
Chromium	**47**		2.0		mg/Kg		08/23/13 20:02	08/26/13 11:50	4
Cobalt	**11**		0.79		mg/Kg		08/23/13 20:02	08/26/13 11:50	4
Copper	**32**		5.9		mg/Kg		08/23/13 20:02	08/26/13 11:50	4
Lead	**7.6**		2.0		mg/Kg		08/23/13 20:02	08/26/13 11:50	4

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51890-1

Client Sample ID: BP2-5-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-25
Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		08/23/13 20:02	08/26/13 11:50	4
Nickel	**68**		2.0		mg/Kg		08/23/13 20:02	08/26/13 11:50	4
Selenium	ND		4.0		mg/Kg		08/23/13 20:02	08/26/13 11:50	4
Silver	ND		0.99		mg/Kg		08/23/13 20:02	08/26/13 11:50	4
Thallium	ND		2.0		mg/Kg		08/23/13 20:02	08/26/13 11:50	4
Vanadium	**39**		2.0		mg/Kg		08/23/13 20:02	08/26/13 11:50	4
Zinc	**58**		5.9		mg/Kg		08/23/13 20:02	08/26/13 11:50	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.16**		0.0087		mg/Kg		08/24/13 14:29	08/26/13 14:02	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.78**		0.100		SU			08/26/13 16:20	1

Client Sample ID: BP2-6-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-30
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		08/23/13 22:23	08/24/13 01:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*76*		*45 - 131*	*08/23/13 22:23*	*08/24/13 01:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*60 - 140*	*08/23/13 22:23*	*08/24/13 01:44*	*1*
Toluene-d8 (Surr)	*87*		*58 - 140*	*08/23/13 22:23*	*08/24/13 01:44*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:59	1
Acenaphthylene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:59	1
Anthracene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:59	1
Benzo[a]anthracene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:59	1
Benzo[a]pyrene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:59	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:59	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:59	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:59	1
Chrysene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:59	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:59	1
Fluoranthene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:59	1
Fluorene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:59	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:59	1
Naphthalene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:59	1
Phenanthrene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:59	1
Pyrene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*33 - 120*	*08/26/13 08:21*	*08/27/13 05:59*	*1*
Terphenyl-d14	*92*		*35 - 146*	*08/26/13 08:21*	*08/27/13 05:59*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.4**		0.99		mg/Kg		08/23/13 20:35	08/25/13 00:57	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		08/23/13 20:35	08/25/13 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.003*		*0 - 1*	*08/23/13 20:35*	*08/25/13 00:57*	*1*
p-Terphenyl	*87*		*38 - 148*	*08/23/13 20:35*	*08/25/13 00:57*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:54	4
Arsenic	ND		3.8		mg/Kg		08/23/13 20:02	08/26/13 11:54	4
Barium	**140**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:54	4
Beryllium	ND		0.38		mg/Kg		08/23/13 20:02	08/26/13 11:54	4
Cadmium	ND		0.48		mg/Kg		08/23/13 20:02	08/26/13 11:54	4
Chromium	**46**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:54	4
Cobalt	**10**		0.76		mg/Kg		08/23/13 20:02	08/26/13 11:54	4
Copper	**32**		5.7		mg/Kg		08/23/13 20:02	08/26/13 11:54	4
Lead	**8.2**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:54	4

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51890-1

Client Sample ID: BP2-6-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-30
Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:54	4
Nickel	**63**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:54	4
Selenium	ND		3.8		mg/Kg		08/23/13 20:02	08/26/13 11:54	4
Silver	ND		0.95		mg/Kg		08/23/13 20:02	08/26/13 11:54	4
Thallium	ND		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:54	4
Vanadium	**35**		1.9		mg/Kg		08/23/13 20:02	08/26/13 11:54	4
Zinc	**60**		5.7		mg/Kg		08/23/13 20:02	08/26/13 11:54	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.10**		0.0087		mg/Kg		08/24/13 14:29	08/26/13 14:10	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.81**		0.100		SU			08/26/13 16:21	1

Client Sample ID: BP2-7-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-35
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/23/13 22:23	08/24/13 02:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*75*		*45 - 131*	*08/23/13 22:23*	*08/24/13 02:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*60 - 140*	*08/23/13 22:23*	*08/24/13 02:13*	*1*
Toluene-d8 (Surr)	*89*		*58 - 140*	*08/23/13 22:23*	*08/24/13 02:13*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		08/26/13 08:21	08/27/13 06:22	1
Acenaphthylene	ND		4.9		ug/Kg		08/26/13 08:21	08/27/13 06:22	1
Anthracene	ND		4.9		ug/Kg		08/26/13 08:21	08/27/13 06:22	1
Benzo[a]anthracene	ND		4.9		ug/Kg		08/26/13 08:21	08/27/13 06:22	1
Benzo[a]pyrene	ND		4.9		ug/Kg		08/26/13 08:21	08/27/13 06:22	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		08/26/13 08:21	08/27/13 06:22	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		08/26/13 08:21	08/27/13 06:22	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		08/26/13 08:21	08/27/13 06:22	1
Chrysene	ND		4.9		ug/Kg		08/26/13 08:21	08/27/13 06:22	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		08/26/13 08:21	08/27/13 06:22	1
Fluoranthene	ND		4.9		ug/Kg		08/26/13 08:21	08/27/13 06:22	1
Fluorene	ND		4.9		ug/Kg		08/26/13 08:21	08/27/13 06:22	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		08/26/13 08:21	08/27/13 06:22	1
Naphthalene	ND		4.9		ug/Kg		08/26/13 08:21	08/27/13 06:22	1
Phenanthrene	ND		4.9		ug/Kg		08/26/13 08:21	08/27/13 06:22	1
Pyrene	ND		4.9		ug/Kg		08/26/13 08:21	08/27/13 06:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*33 - 120*	*08/26/13 08:21*	*08/27/13 06:22*	*1*
Terphenyl-d14	*95*		*35 - 146*	*08/26/13 08:21*	*08/27/13 06:22*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.1**		0.99		mg/Kg		08/23/13 20:35	08/25/13 01:21	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/23/13 20:35	08/25/13 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.002*		*0 - 1*	*08/23/13 20:35*	*08/25/13 01:21*	*1*
p-Terphenyl	*84*		*38 - 148*	*08/23/13 20:35*	*08/25/13 01:21*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.8		mg/Kg		08/23/13 20:02	08/26/13 11:59	4
Arsenic	ND		3.7		mg/Kg		08/23/13 20:02	08/26/13 11:59	4
Barium	**130**		1.8		mg/Kg		08/23/13 20:02	08/26/13 11:59	4
Beryllium	ND		0.37		mg/Kg		08/23/13 20:02	08/26/13 11:59	4
Cadmium	ND		0.46		mg/Kg		08/23/13 20:02	08/26/13 11:59	4
Chromium	**43**		1.8		mg/Kg		08/23/13 20:02	08/26/13 11:59	4
Cobalt	**8.9**		0.73		mg/Kg		08/23/13 20:02	08/26/13 11:59	4
Copper	**29**		5.5		mg/Kg		08/23/13 20:02	08/26/13 11:59	4
Lead	**7.4**		1.8		mg/Kg		08/23/13 20:02	08/26/13 11:59	4

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51890-1

Client Sample ID: BP2-7-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-35
Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.8		mg/Kg		08/23/13 20:02	08/26/13 11:59	4
Nickel	**57**		1.8		mg/Kg		08/23/13 20:02	08/26/13 11:59	4
Selenium	ND		3.7		mg/Kg		08/23/13 20:02	08/26/13 11:59	4
Silver	ND		0.92		mg/Kg		08/23/13 20:02	08/26/13 11:59	4
Thallium	ND		1.8		mg/Kg		08/23/13 20:02	08/26/13 11:59	4
Vanadium	**32**		1.8		mg/Kg		08/23/13 20:02	08/26/13 11:59	4
Zinc	**48**		5.5		mg/Kg		08/23/13 20:02	08/26/13 11:59	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.093**		0.0092		mg/Kg		08/24/13 14:29	08/26/13 14:12	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.94**		0.100		SU			08/26/13 16:25	1

Client Sample ID: BP2-8-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-40
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/23/13 22:23	08/24/13 02:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*78*		*45 - 131*	*08/23/13 22:23*	*08/24/13 02:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*60 - 140*	*08/23/13 22:23*	*08/24/13 02:41*	*1*
Toluene-d8 (Surr)	*86*		*58 - 140*	*08/23/13 22:23*	*08/24/13 02:41*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 06:45	1
Acenaphthylene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 06:45	1
Anthracene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 06:45	1
Benzo[a]anthracene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 06:45	1
Benzo[a]pyrene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 06:45	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 06:45	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 06:45	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 06:45	1
Chrysene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 06:45	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 06:45	1
Fluoranthene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 06:45	1
Fluorene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 06:45	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 06:45	1
Naphthalene	**6.2**		5.0		ug/Kg		08/26/13 08:21	08/27/13 06:45	1
Phenanthrene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 06:45	1
Pyrene	ND		5.0		ug/Kg		08/26/13 08:21	08/27/13 06:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*33 - 120*	*08/26/13 08:21*	*08/27/13 06:45*	*1*
Terphenyl-d14	*95*		*35 - 146*	*08/26/13 08:21*	*08/27/13 06:45*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/23/13 20:35	08/25/13 01:45	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		08/23/13 20:35	08/25/13 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.0004*		*0 - 1*	*08/23/13 20:35*	*08/25/13 01:45*	*1*
p-Terphenyl	*80*		*38 - 148*	*08/23/13 20:35*	*08/25/13 01:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		08/23/13 20:02	08/26/13 12:03	4
Arsenic	ND		3.9		mg/Kg		08/23/13 20:02	08/26/13 12:03	4
Barium	**120**		1.9		mg/Kg		08/23/13 20:02	08/26/13 12:03	4
Beryllium	ND		0.39		mg/Kg		08/23/13 20:02	08/26/13 12:03	4
Cadmium	ND		0.49		mg/Kg		08/23/13 20:02	08/26/13 12:03	4
Chromium	**47**		1.9		mg/Kg		08/23/13 20:02	08/26/13 12:03	4
Cobalt	**8.9**		0.78		mg/Kg		08/23/13 20:02	08/26/13 12:03	4
Copper	**27**		5.8		mg/Kg		08/23/13 20:02	08/26/13 12:03	4
Lead	**8.0**		1.9		mg/Kg		08/23/13 20:02	08/26/13 12:03	4

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51890-1

Client Sample ID: BP2-8-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-40
Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		08/23/13 20:02	08/26/13 12:03	4
Nickel	**64**		1.9		mg/Kg		08/23/13 20:02	08/26/13 12:03	4
Selenium	ND		3.9		mg/Kg		08/23/13 20:02	08/26/13 12:03	4
Silver	ND		0.97		mg/Kg		08/23/13 20:02	08/26/13 12:03	4
Thallium	ND		1.9		mg/Kg		08/23/13 20:02	08/26/13 12:03	4
Vanadium	**33**		1.9		mg/Kg		08/23/13 20:02	08/26/13 12:03	4
Zinc	**49**		5.8		mg/Kg		08/23/13 20:02	08/26/13 12:03	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.085**		0.0088		mg/Kg		08/24/13 14:29	08/26/13 14:15	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.85**		0.100		SU			08/26/13 16:27	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-142894/4
Matrix: Solid
Analysis Batch: 142894

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			08/23/13 20:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*45 - 131*		*08/23/13 20:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*60 - 140*		*08/23/13 20:59*	*1*
Toluene-d8 (Surr)	*91*		*58 - 140*		*08/23/13 20:59*	*1*

Lab Sample ID: LCS 720-142894/7
Matrix: Solid
Analysis Batch: 142894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C5-C12			1000	1070		ug/Kg		107	61 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*94*		*60 - 140*
Toluene-d8 (Surr)	*98*		*58 - 140*

Lab Sample ID: LCSD 720-142894/8
Matrix: Solid
Analysis Batch: 142894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	1080		ug/Kg		108	61 - 128	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*
Toluene-d8 (Surr)	*99*		*58 - 140*

Lab Sample ID: MB 720-142969/6
Matrix: Solid
Analysis Batch: 142969

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			08/26/13 09:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*45 - 131*		*08/26/13 09:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*60 - 140*		*08/26/13 09:31*	*1*
Toluene-d8 (Surr)	*93*		*58 - 140*		*08/26/13 09:31*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-142969/9
Matrix: Solid
Analysis Batch: 142969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C5-C12			1000	964		ug/Kg		96	61 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*
Toluene-d8 (Surr)	*99*		*58 - 140*

Lab Sample ID: LCSD 720-142969/10
Matrix: Solid
Analysis Batch: 142969

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	996		ug/Kg		100	61 - 128	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 140*
Toluene-d8 (Surr)	*97*		*58 - 140*

Method: 8270C SIM - PAHs by GCMS (SIM)

Lab Sample ID: MB 720-142859/1-A
Matrix: Solid
Analysis Batch: 142869

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142859

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Acenaphthylene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Anthracene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Benzo[a]anthracene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Benzo[a]pyrene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Chrysene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Fluoranthene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Fluorene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Naphthalene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Phenanthrene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1
Pyrene	ND		5.0		ug/Kg		08/23/13 10:15	08/23/13 17:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*33 - 120*	*08/23/13 10:15*	*08/23/13 17:49*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM) (Continued)

Lab Sample ID: MB 720-142859/1-A
Matrix: Solid
Analysis Batch: 142869

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142859

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	91		35 - 146	08/23/13 10:15	08/23/13 17:49	1

Lab Sample ID: LCS 720-142859/2-A
Matrix: Solid
Analysis Batch: 142869

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142859

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	330	224		ug/Kg		68	49 - 120
Acenaphthylene	330	233		ug/Kg		71	52 - 120
Anthracene	330	257		ug/Kg		78	52 - 120
Benzo[a]anthracene	330	274		ug/Kg		83	52 - 120
Benzo[a]pyrene	330	285		ug/Kg		86	54 - 120
Benzo[b]fluoranthene	330	314		ug/Kg		95	51 - 120
Benzo[g,h,i]perylene	330	282		ug/Kg		85	48 - 120
Benzo[k]fluoranthene	330	250		ug/Kg		76	56 - 120
Chrysene	330	251		ug/Kg		76	40 - 120
Dibenz(a,h)anthracene	330	284		ug/Kg		86	50 - 120
Fluoranthene	330	278		ug/Kg		84	57 - 120
Fluorene	330	253		ug/Kg		77	52 - 120
Indeno[1,2,3-cd]pyrene	330	283		ug/Kg		86	48 - 120
Naphthalene	330	226		ug/Kg		68	46 - 120
Phenanthrene	330	242		ug/Kg		73	48 - 120
Pyrene	330	291		ug/Kg		88	53 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	86		33 - 120
Terphenyl-d14	92		35 - 146

Lab Sample ID: LCSD 720-142859/3-A
Matrix: Solid
Analysis Batch: 142869

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142859

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	333	220		ug/Kg		66	49 - 120	1	20
Acenaphthylene	333	219		ug/Kg		66	52 - 120	6	20
Anthracene	333	251		ug/Kg		75	52 - 120	2	20
Benzo[a]anthracene	333	263		ug/Kg		79	52 - 120	4	20
Benzo[a]pyrene	333	275		ug/Kg		83	54 - 120	3	20
Benzo[b]fluoranthene	333	293		ug/Kg		88	51 - 120	7	20
Benzo[g,h,i]perylene	333	274		ug/Kg		82	48 - 120	3	20
Benzo[k]fluoranthene	333	246		ug/Kg		74	56 - 120	1	20
Chrysene	333	249		ug/Kg		75	40 - 120	1	20
Dibenz(a,h)anthracene	333	276		ug/Kg		83	50 - 120	3	20
Fluoranthene	333	273		ug/Kg		82	57 - 120	2	20
Fluorene	333	238		ug/Kg		72	52 - 120	6	20
Indeno[1,2,3-cd]pyrene	333	276		ug/Kg		83	48 - 120	2	20
Naphthalene	333	215		ug/Kg		65	46 - 120	5	20
Phenanthrene	333	237		ug/Kg		71	48 - 120	2	20

Method: 8270C SIM - PAHs by GCMS (SIM) (Continued)

Lab Sample ID: LCSD 720-142859/3-A
Matrix: Solid
Analysis Batch: 142869

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142859

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyrene			333	282		ug/Kg		85	53 - 120	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*33 - 120*
Terphenyl-d14	*88*		*35 - 146*

Lab Sample ID: MB 720-142977/1-A
Matrix: Solid
Analysis Batch: 143051

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142977

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		08/26/13 08:21	08/26/13 20:22	1
Acenaphthylene	ND		4.9		ug/Kg		08/26/13 08:21	08/26/13 20:22	1
Anthracene	ND		4.9		ug/Kg		08/26/13 08:21	08/26/13 20:22	1
Benzo[a]anthracene	ND		4.9		ug/Kg		08/26/13 08:21	08/26/13 20:22	1
Benzo[a]pyrene	ND		4.9		ug/Kg		08/26/13 08:21	08/26/13 20:22	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		08/26/13 08:21	08/26/13 20:22	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		08/26/13 08:21	08/26/13 20:22	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		08/26/13 08:21	08/26/13 20:22	1
Chrysene	ND		4.9		ug/Kg		08/26/13 08:21	08/26/13 20:22	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		08/26/13 08:21	08/26/13 20:22	1
Fluoranthene	ND		4.9		ug/Kg		08/26/13 08:21	08/26/13 20:22	1
Fluorene	ND		4.9		ug/Kg		08/26/13 08:21	08/26/13 20:22	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		08/26/13 08:21	08/26/13 20:22	1
Naphthalene	ND		4.9		ug/Kg		08/26/13 08:21	08/26/13 20:22	1
Phenanthrene	ND		4.9		ug/Kg		08/26/13 08:21	08/26/13 20:22	1
Pyrene	ND		4.9		ug/Kg		08/26/13 08:21	08/26/13 20:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*33 - 120*	*08/26/13 08:21*	*08/26/13 20:22*	*1*
Terphenyl-d14	*89*		*35 - 146*	*08/26/13 08:21*	*08/26/13 20:22*	*1*

Lab Sample ID: LCS 720-142977/2-A
Matrix: Solid
Analysis Batch: 143051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142977

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene			332	200		ug/Kg		60	49 - 120
Acenaphthylene			332	207		ug/Kg		62	52 - 120
Anthracene			332	253		ug/Kg		76	52 - 120
Benzo[a]anthracene			332	286		ug/Kg		86	52 - 120
Benzo[a]pyrene			332	299		ug/Kg		90	54 - 120
Benzo[b]fluoranthene			332	312		ug/Kg		94	51 - 120
Benzo[g,h,i]perylene			332	322		ug/Kg		97	48 - 120
Benzo[k]fluoranthene			332	269		ug/Kg		81	56 - 120
Chrysene			332	272		ug/Kg		82	40 - 120
Dibenz(a,h)anthracene			332	332		ug/Kg		100	50 - 120
Fluoranthene			332	294		ug/Kg		89	57 - 120

Method: 8270C SIM - PAHs by GCMS (SIM) (Continued)

Lab Sample ID: LCS 720-142977/2-A
Matrix: Solid
Analysis Batch: 143051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142977

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	332	237		ug/Kg		72	52 - 120
Indeno[1,2,3-cd]pyrene	332	329		ug/Kg		99	48 - 120
Naphthalene	332	202		ug/Kg		61	46 - 120
Phenanthrene	332	234		ug/Kg		71	48 - 120
Pyrene	332	272		ug/Kg		82	53 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*33 - 120*
Terphenyl-d14	*92*		*35 - 146*

Lab Sample ID: LCSD 720-142977/3-A
Matrix: Solid
Analysis Batch: 143051

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142977

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	331	221		ug/Kg		67	49 - 120	10	20
Acenaphthylene	331	217		ug/Kg		65	52 - 120	5	20
Anthracene	331	260		ug/Kg		78	52 - 120	3	20
Benzo[a]anthracene	331	275		ug/Kg		83	52 - 120	4	20
Benzo[a]pyrene	331	292		ug/Kg		88	54 - 120	3	20
Benzo[b]fluoranthene	331	319		ug/Kg		96	51 - 120	2	20
Benzo[g,h,i]perylene	331	300		ug/Kg		91	48 - 120	7	20
Benzo[k]fluoranthene	331	248		ug/Kg		75	56 - 120	8	20
Chrysene	331	257		ug/Kg		78	40 - 120	5	20
Dibenz(a,h)anthracene	331	311		ug/Kg		94	50 - 120	6	20
Fluoranthene	331	293		ug/Kg		89	57 - 120	0	20
Fluorene	331	241		ug/Kg		73	52 - 120	1	20
Indeno[1,2,3-cd]pyrene	331	305		ug/Kg		92	48 - 120	7	20
Naphthalene	331	214		ug/Kg		65	46 - 120	6	20
Phenanthrene	331	242		ug/Kg		73	48 - 120	3	20
Pyrene	331	264		ug/Kg		80	53 - 120	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*33 - 120*
Terphenyl-d14	*87*		*35 - 146*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-142938/1-A
Matrix: Solid
Analysis Batch: 142955

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 142938

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/23/13 20:35	08/24/13 20:28	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/23/13 20:35	08/24/13 20:28	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 720-142938/1-A
Matrix: Solid
Analysis Batch: 142955

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 142938

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.0003		0 - 1	08/23/13 20:35	08/24/13 20:28	1
p-Terphenyl	88		38 - 148	08/23/13 20:35	08/24/13 20:28	1

Lab Sample ID: LCS 720-142938/2-A
Matrix: Solid
Analysis Batch: 142955

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 142938

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	83.0	55.5		mg/Kg		67	36 - 112

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	91		38 - 148

Lab Sample ID: LCSD 720-142938/3-A
Matrix: Solid
Analysis Batch: 142955

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 142938

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.2	57.4		mg/Kg		70	36 - 112	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
p-Terphenyl	88		38 - 148

Lab Sample ID: 720-51890-5 MS
Matrix: Solid
Analysis Batch: 142955

Client Sample ID: BP2-1-082313
Prep Type: Silica Gel Cleanup
Prep Batch: 142938

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	ND		82.9	57.1		mg/Kg		68	50 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
p-Terphenyl	87		38 - 148

Lab Sample ID: 720-51890-5 MSD
Matrix: Solid
Analysis Batch: 142955

Client Sample ID: BP2-1-082313
Prep Type: Silica Gel Cleanup
Prep Batch: 142938

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		83.0	54.1		mg/Kg		64	50 - 150	5	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
p-Terphenyl	82		38 - 148

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-142937/1-A
Matrix: Solid
Analysis Batch: 143006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142937

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		08/23/13 20:02	08/26/13 10:35	1
Arsenic	ND		1.0		mg/Kg		08/23/13 20:02	08/26/13 10:35	1
Barium	ND		0.50		mg/Kg		08/23/13 20:02	08/26/13 10:35	1
Beryllium	ND		0.10		mg/Kg		08/23/13 20:02	08/26/13 10:35	1
Cadmium	ND		0.13		mg/Kg		08/23/13 20:02	08/26/13 10:35	1
Chromium	ND		0.50		mg/Kg		08/23/13 20:02	08/26/13 10:35	1
Cobalt	ND		0.20		mg/Kg		08/23/13 20:02	08/26/13 10:35	1
Copper	ND		1.5		mg/Kg		08/23/13 20:02	08/26/13 10:35	1
Lead	ND		0.50		mg/Kg		08/23/13 20:02	08/26/13 10:35	1
Molybdenum	ND		0.50		mg/Kg		08/23/13 20:02	08/26/13 10:35	1
Nickel	ND		0.50		mg/Kg		08/23/13 20:02	08/26/13 10:35	1
Selenium	ND		1.0		mg/Kg		08/23/13 20:02	08/26/13 10:35	1
Silver	ND		0.25		mg/Kg		08/23/13 20:02	08/26/13 10:35	1
Thallium	ND		0.50		mg/Kg		08/23/13 20:02	08/26/13 10:35	1
Vanadium	ND		0.50		mg/Kg		08/23/13 20:02	08/26/13 10:35	1
Zinc	ND		1.5		mg/Kg		08/23/13 20:02	08/26/13 10:35	1

Lab Sample ID: LCS 720-142937/2-A
Matrix: Solid
Analysis Batch: 143006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142937

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Antimony			50.0	48.0		mg/Kg		96	80 - 120		
Arsenic			50.0	48.7		mg/Kg		97	80 - 120		
Barium			50.0	50.0		mg/Kg		100	80 - 120		
Beryllium			50.0	50.3		mg/Kg		101	80 - 120		
Cadmium			50.0	49.1		mg/Kg		98	80 - 120		
Chromium			50.0	50.5		mg/Kg		101	80 - 120		
Cobalt			50.0	50.5		mg/Kg		101	80 - 120		
Copper			50.0	50.3		mg/Kg		101	80 - 120		
Lead			50.0	50.3		mg/Kg		101	80 - 120		
Molybdenum			50.0	50.0		mg/Kg		100	80 - 120		
Nickel			50.0	50.1		mg/Kg		100	80 - 120		
Selenium			50.0	47.9		mg/Kg		96	80 - 120		
Silver			25.0	24.4		mg/Kg		98	80 - 120		
Thallium			50.0	50.4		mg/Kg		101	80 - 120		
Vanadium			50.0	50.3		mg/Kg		101	80 - 120		
Zinc			50.0	49.6		mg/Kg		99	80 - 120		

Lab Sample ID: LCSD 720-142937/3-A
Matrix: Solid
Analysis Batch: 143006

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142937

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony			50.0	47.0		mg/Kg		94	80 - 120	2	20
Arsenic			50.0	47.6		mg/Kg		95	80 - 120	2	20
Barium			50.0	49.1		mg/Kg		98	80 - 120	2	20
Beryllium			50.0	49.0		mg/Kg		98	80 - 120	3	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 720-142937/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 143006 — **Prep Batch: 142937**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium			50.0	48.0		mg/Kg		96	80 - 120	2	20
Chromium			50.0	48.8		mg/Kg		98	80 - 120	4	20
Cobalt			50.0	49.5		mg/Kg		99	80 - 120	2	20
Copper			50.0	48.9		mg/Kg		98	80 - 120	3	20
Lead			50.0	49.2		mg/Kg		98	80 - 120	2	20
Molybdenum			50.0	49.0		mg/Kg		98	80 - 120	2	20
Nickel			50.0	49.0		mg/Kg		98	80 - 120	2	20
Selenium			50.0	46.9		mg/Kg		94	80 - 120	2	20
Silver			25.0	23.7		mg/Kg		95	80 - 120	3	20
Thallium			50.0	49.3		mg/Kg		99	80 - 120	2	20
Vanadium			50.0	48.9		mg/Kg		98	80 - 120	3	20
Zinc			50.0	48.5		mg/Kg		97	80 - 120	2	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-142960/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 143024 — **Prep Batch: 142960**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		08/24/13 14:29	08/26/13 13:39	1

Lab Sample ID: LCS 720-142960/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 143024 — **Prep Batch: 142960**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.833	0.867		mg/Kg		104	80 - 120		

Lab Sample ID: LCSD 720-142960/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 143024 — **Prep Batch: 142960**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.833	0.900		mg/Kg		108	80 - 120	4	20

Lab Sample ID: 720-51890-5 MS — **Client Sample ID: BP2-1-082313**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 143024 — **Prep Batch: 142960**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.11		0.769	1.02		mg/Kg		118	75 - 125		

Lab Sample ID: 720-51890-5 MSD — **Client Sample ID: BP2-1-082313**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 143024 — **Prep Batch: 142960**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.11		0.758	1.05		mg/Kg		125	75 - 125	4	20

Method: 9045C - pH

Lab Sample ID: LCS 720-143038/1
Matrix: Solid
Analysis Batch: 143038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			7.00	6.960		SU		99	99 - 101		

Lab Sample ID: 720-51890-5 DU
Matrix: Solid
Analysis Batch: 143038

Client Sample ID: BP2-1-082313
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.07			8.110		SU				0.5	20

GC/MS VOA

Analysis Batch: 142894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51890-10	BP2-2-082313	Total/NA	Solid	8260B/CA_LUFT MS	142947
720-51890-15	BP2-3-082313	Total/NA	Solid	8260B/CA_LUFT MS	142947
720-51890-20	BP2-4-082313	Total/NA	Solid	8260B/CA_LUFT MS	142947
720-51890-25	BP2-5-082313	Total/NA	Solid	8260B/CA_LUFT MS	142947
720-51890-30	BP2-6-082313	Total/NA	Solid	8260B/CA_LUFT MS	142947
720-51890-35	BP2-7-082313	Total/NA	Solid	8260B/CA_LUFT MS	142947
720-51890-40	BP2-8-082313	Total/NA	Solid	8260B/CA_LUFT MS	142947
LCS 720-142894/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-142894/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-142894/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 142947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51890-10	BP2-2-082313	Total/NA	Solid	5030B	
720-51890-15	BP2-3-082313	Total/NA	Solid	5030B	
720-51890-20	BP2-4-082313	Total/NA	Solid	5030B	
720-51890-25	BP2-5-082313	Total/NA	Solid	5030B	
720-51890-30	BP2-6-082313	Total/NA	Solid	5030B	
720-51890-35	BP2-7-082313	Total/NA	Solid	5030B	
720-51890-40	BP2-8-082313	Total/NA	Solid	5030B	

Analysis Batch: 142969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51890-5	BP2-1-082313	Total/NA	Solid	8260B/CA_LUFT MS	142991
LCS 720-142969/9	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-142969/10	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-142969/6	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 142991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51890-5	BP2-1-082313	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 142859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51890-5	BP2-1-082313	Total/NA	Solid	3546	
720-51890-10	BP2-2-082313	Total/NA	Solid	3546	
720-51890-15	BP2-3-082313	Total/NA	Solid	3546	
720-51890-20	BP2-4-082313	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 142859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-142859/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-142859/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-142859/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 142869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-142859/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	142859
LCSD 720-142859/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C SIM	142859
MB 720-142859/1-A	Method Blank	Total/NA	Solid	8270C SIM	142859

Prep Batch: 142977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51890-25	BP2-5-082313	Total/NA	Solid	3546	
720-51890-30	BP2-6-082313	Total/NA	Solid	3546	
720-51890-35	BP2-7-082313	Total/NA	Solid	3546	
720-51890-40	BP2-8-082313	Total/NA	Solid	3546	
LCS 720-142977/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-142977/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-142977/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 143051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51890-5	BP2-1-082313	Total/NA	Solid	8270C SIM	142859
720-51890-10	BP2-2-082313	Total/NA	Solid	8270C SIM	142859
720-51890-15	BP2-3-082313	Total/NA	Solid	8270C SIM	142859
720-51890-20	BP2-4-082313	Total/NA	Solid	8270C SIM	142859
720-51890-25	BP2-5-082313	Total/NA	Solid	8270C SIM	142977
720-51890-30	BP2-6-082313	Total/NA	Solid	8270C SIM	142977
720-51890-35	BP2-7-082313	Total/NA	Solid	8270C SIM	142977
720-51890-40	BP2-8-082313	Total/NA	Solid	8270C SIM	142977
LCS 720-142977/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	142977
LCSD 720-142977/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C SIM	142977
MB 720-142977/1-A	Method Blank	Total/NA	Solid	8270C SIM	142977

GC Semi VOA

Prep Batch: 142938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51890-5	BP2-1-082313	Silica Gel Cleanup	Solid	3546	
720-51890-5 MS	BP2-1-082313	Silica Gel Cleanup	Solid	3546	
720-51890-5 MSD	BP2-1-082313	Silica Gel Cleanup	Solid	3546	
720-51890-10	BP2-2-082313	Silica Gel Cleanup	Solid	3546	
720-51890-15	BP2-3-082313	Silica Gel Cleanup	Solid	3546	
720-51890-20	BP2-4-082313	Silica Gel Cleanup	Solid	3546	
720-51890-25	BP2-5-082313	Silica Gel Cleanup	Solid	3546	
720-51890-30	BP2-6-082313	Silica Gel Cleanup	Solid	3546	
720-51890-35	BP2-7-082313	Silica Gel Cleanup	Solid	3546	
720-51890-40	BP2-8-082313	Silica Gel Cleanup	Solid	3546	
LCS 720-142938/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-142938/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 142938 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-142938/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 142955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51890-5	BP2-1-082313	Silica Gel Cleanup	Solid	8015B	142938
720-51890-5 MS	BP2-1-082313	Silica Gel Cleanup	Solid	8015B	142938
720-51890-5 MSD	BP2-1-082313	Silica Gel Cleanup	Solid	8015B	142938
720-51890-10	BP2-2-082313	Silica Gel Cleanup	Solid	8015B	142938
720-51890-15	BP2-3-082313	Silica Gel Cleanup	Solid	8015B	142938
720-51890-20	BP2-4-082313	Silica Gel Cleanup	Solid	8015B	142938
720-51890-25	BP2-5-082313	Silica Gel Cleanup	Solid	8015B	142938
720-51890-30	BP2-6-082313	Silica Gel Cleanup	Solid	8015B	142938
720-51890-35	BP2-7-082313	Silica Gel Cleanup	Solid	8015B	142938
720-51890-40	BP2-8-082313	Silica Gel Cleanup	Solid	8015B	142938
LCS 720-142938/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	142938
LCSD 720-142938/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	142938
MB 720-142938/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	142938

Metals

Prep Batch: 142937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51890-5	BP2-1-082313	Total/NA	Solid	3050B	
720-51890-10	BP2-2-082313	Total/NA	Solid	3050B	
720-51890-15	BP2-3-082313	Total/NA	Solid	3050B	
720-51890-20	BP2-4-082313	Total/NA	Solid	3050B	
720-51890-25	BP2-5-082313	Total/NA	Solid	3050B	
720-51890-30	BP2-6-082313	Total/NA	Solid	3050B	
720-51890-35	BP2-7-082313	Total/NA	Solid	3050B	
720-51890-40	BP2-8-082313	Total/NA	Solid	3050B	
LCS 720-142937/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-142937/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
MB 720-142937/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 142960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51890-5	BP2-1-082313	Total/NA	Solid	7471A	
720-51890-5 MS	BP2-1-082313	Total/NA	Solid	7471A	
720-51890-5 MSD	BP2-1-082313	Total/NA	Solid	7471A	
720-51890-10	BP2-2-082313	Total/NA	Solid	7471A	
720-51890-15	BP2-3-082313	Total/NA	Solid	7471A	
720-51890-20	BP2-4-082313	Total/NA	Solid	7471A	
720-51890-25	BP2-5-082313	Total/NA	Solid	7471A	
720-51890-30	BP2-6-082313	Total/NA	Solid	7471A	
720-51890-35	BP2-7-082313	Total/NA	Solid	7471A	
720-51890-40	BP2-8-082313	Total/NA	Solid	7471A	
LCS 720-142960/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-142960/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-142960/1-A	Method Blank	Total/NA	Solid	7471A	

Metals (Continued)

Analysis Batch: 143006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51890-5	BP2-1-082313	Total/NA	Solid	6010B	142937
720-51890-10	BP2-2-082313	Total/NA	Solid	6010B	142937
720-51890-15	BP2-3-082313	Total/NA	Solid	6010B	142937
720-51890-20	BP2-4-082313	Total/NA	Solid	6010B	142937
720-51890-25	BP2-5-082313	Total/NA	Solid	6010B	142937
720-51890-30	BP2-6-082313	Total/NA	Solid	6010B	142937
720-51890-35	BP2-7-082313	Total/NA	Solid	6010B	142937
720-51890-40	BP2-8-082313	Total/NA	Solid	6010B	142937
LCS 720-142937/2-A	Lab Control Sample	Total/NA	Solid	6010B	142937
LCSD 720-142937/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	142937
MB 720-142937/1-A	Method Blank	Total/NA	Solid	6010B	142937

Analysis Batch: 143024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51890-5	BP2-1-082313	Total/NA	Solid	7471A	142960
720-51890-5 MS	BP2-1-082313	Total/NA	Solid	7471A	142960
720-51890-5 MSD	BP2-1-082313	Total/NA	Solid	7471A	142960
720-51890-10	BP2-2-082313	Total/NA	Solid	7471A	142960
720-51890-15	BP2-3-082313	Total/NA	Solid	7471A	142960
720-51890-20	BP2-4-082313	Total/NA	Solid	7471A	142960
720-51890-25	BP2-5-082313	Total/NA	Solid	7471A	142960
720-51890-30	BP2-6-082313	Total/NA	Solid	7471A	142960
720-51890-35	BP2-7-082313	Total/NA	Solid	7471A	142960
720-51890-40	BP2-8-082313	Total/NA	Solid	7471A	142960
LCS 720-142960/2-A	Lab Control Sample	Total/NA	Solid	7471A	142960
LCSD 720-142960/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	142960
MB 720-142960/1-A	Method Blank	Total/NA	Solid	7471A	142960

General Chemistry

Leach Batch: 142998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51890-5	BP2-1-082313	Soluble	Solid	DI Leach	
720-51890-5 DU	BP2-1-082313	Soluble	Solid	DI Leach	
720-51890-10	BP2-2-082313	Soluble	Solid	DI Leach	
720-51890-15	BP2-3-082313	Soluble	Solid	DI Leach	
720-51890-20	BP2-4-082313	Soluble	Solid	DI Leach	
720-51890-25	BP2-5-082313	Soluble	Solid	DI Leach	
720-51890-30	BP2-6-082313	Soluble	Solid	DI Leach	
720-51890-35	BP2-7-082313	Soluble	Solid	DI Leach	
720-51890-40	BP2-8-082313	Soluble	Solid	DI Leach	

Analysis Batch: 143038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51890-5	BP2-1-082313	Soluble	Solid	9045C	142998
720-51890-5 DU	BP2-1-082313	Soluble	Solid	9045C	142998
720-51890-10	BP2-2-082313	Soluble	Solid	9045C	142998
720-51890-15	BP2-3-082313	Soluble	Solid	9045C	142998
720-51890-20	BP2-4-082313	Soluble	Solid	9045C	142998
720-51890-25	BP2-5-082313	Soluble	Solid	9045C	142998

General Chemistry (Continued)

Analysis Batch: 143038 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51890-30	BP2-6-082313	Soluble	Solid	9045C	142998
720-51890-35	BP2-7-082313	Soluble	Solid	9045C	142998
720-51890-40	BP2-8-082313	Soluble	Solid	9045C	142998
LCS 720-143038/1	Lab Control Sample	Total/NA	Solid	9045C	

Client Sample ID: BP2-1-082313

Lab Sample ID: 720-51890-5

Date Collected: 08/23/13 00:00

Matrix: Solid

Date Received: 08/23/13 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142991	08/26/13 09:32	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142969	08/26/13 11:55	PDR	TAL PLS
Total/NA	Prep	3546			142859	08/23/13 18:02	MRP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/27/13 02:31	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			142938	08/23/13 20:35	DBT	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142955	08/24/13 22:55	DCH	TAL PLS
Total/NA	Prep	3050B			142937	08/23/13 20:02	CTD	TAL PLS
Total/NA	Analysis	6010B		4	143006	08/26/13 11:32	EFH	TAL PLS
Total/NA	Prep	7471A			142960	08/24/13 14:29	JCR	TAL PLS
Total/NA	Analysis	7471A		1	143024	08/26/13 13:52	EFH	TAL PLS
Soluble	Leach	DI Leach			142998	08/26/13 11:10	MJK	TAL PLS
Soluble	Analysis	9045C		1	143038	08/26/13 16:09	EYT	TAL PLS

Client Sample ID: BP2-2-082313

Lab Sample ID: 720-51890-10

Date Collected: 08/23/13 00:00

Matrix: Solid

Date Received: 08/23/13 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142947	08/23/13 22:23	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142894	08/23/13 23:50	ASC	TAL PLS
Total/NA	Prep	3546			142859	08/23/13 18:02	MRP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/27/13 02:55	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			142938	08/23/13 20:35	DBT	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142955	08/24/13 23:19	DCH	TAL PLS
Total/NA	Prep	3050B			142937	08/23/13 20:02	CTD	TAL PLS
Total/NA	Analysis	6010B		4	143006	08/26/13 11:36	EFH	TAL PLS
Total/NA	Prep	7471A			142960	08/24/13 14:29	JCR	TAL PLS
Total/NA	Analysis	7471A		1	143024	08/26/13 13:55	EFH	TAL PLS
Soluble	Leach	DI Leach			142998	08/26/13 11:10	MJK	TAL PLS
Soluble	Analysis	9045C		1	143038	08/26/13 16:15	EYT	TAL PLS

Client Sample ID: BP2-3-082313

Lab Sample ID: 720-51890-15

Date Collected: 08/23/13 00:00

Matrix: Solid

Date Received: 08/23/13 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142947	08/23/13 22:23	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142894	08/24/13 00:18	ASC	TAL PLS
Total/NA	Prep	3546			142859	08/23/13 18:02	MRP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/27/13 03:18	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			142938	08/23/13 20:35	DBT	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142955	08/24/13 23:44	DCH	TAL PLS
Total/NA	Prep	3050B			142937	08/23/13 20:02	CTD	TAL PLS

Client Sample ID: BP2-3-082313

Lab Sample ID: 720-51890-15

Date Collected: 08/23/13 00:00

Matrix: Solid

Date Received: 08/23/13 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		4	143006	08/26/13 11:41	EFH	TAL PLS
Total/NA	Prep	7471A			142960	08/24/13 14:29	JCR	TAL PLS
Total/NA	Analysis	7471A		1	143024	08/26/13 13:57	EFH	TAL PLS
Soluble	Leach	DI Leach			142998	08/26/13 11:10	MJK	TAL PLS
Soluble	Analysis	9045C		1	143038	08/26/13 16:17	EYT	TAL PLS

Client Sample ID: BP2-4-082313

Lab Sample ID: 720-51890-20

Date Collected: 08/23/13 00:00

Matrix: Solid

Date Received: 08/23/13 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142947	08/23/13 22:23	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142894	08/24/13 00:47	ASC	TAL PLS
Total/NA	Prep	3546			142859	08/23/13 18:02	MRP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/27/13 03:41	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			142938	08/23/13 20:35	DBT	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142955	08/25/13 00:08	DCH	TAL PLS
Total/NA	Prep	3050B			142937	08/23/13 20:02	CTD	TAL PLS
Total/NA	Analysis	6010B		4	143006	08/26/13 11:45	EFH	TAL PLS
Total/NA	Prep	7471A			142960	08/24/13 14:29	JCR	TAL PLS
Total/NA	Analysis	7471A		1	143024	08/26/13 14:00	EFH	TAL PLS
Soluble	Leach	DI Leach			142998	08/26/13 11:10	MJK	TAL PLS
Soluble	Analysis	9045C		1	143038	08/26/13 16:19	EYT	TAL PLS

Client Sample ID: BP2-5-082313

Lab Sample ID: 720-51890-25

Date Collected: 08/23/13 00:00

Matrix: Solid

Date Received: 08/23/13 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142947	08/23/13 22:23	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142894	08/24/13 01:15	ASC	TAL PLS
Total/NA	Prep	3546			142977	08/26/13 08:21	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/27/13 05:36	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			142938	08/23/13 20:35	DBT	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142955	08/25/13 00:32	DCH	TAL PLS
Total/NA	Prep	3050B			142937	08/23/13 20:02	CTD	TAL PLS
Total/NA	Analysis	6010B		4	143006	08/26/13 11:50	EFH	TAL PLS
Total/NA	Prep	7471A			142960	08/24/13 14:29	JCR	TAL PLS
Total/NA	Analysis	7471A		1	143024	08/26/13 14:02	EFH	TAL PLS
Soluble	Leach	DI Leach			142998	08/26/13 11:10	MJK	TAL PLS
Soluble	Analysis	9045C		1	143038	08/26/13 16:20	EYT	TAL PLS

Client Sample ID: BP2-6-082313

Lab Sample ID: 720-51890-30

Date Collected: 08/23/13 00:00

Matrix: Solid

Date Received: 08/23/13 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142947	08/23/13 22:23	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142894	08/24/13 01:44	ASC	TAL PLS
Total/NA	Prep	3546			142977	08/26/13 08:21	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/27/13 05:59	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			142938	08/23/13 20:35	DBT	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142955	08/25/13 00:57	DCH	TAL PLS
Total/NA	Prep	3050B			142937	08/23/13 20:02	CTD	TAL PLS
Total/NA	Analysis	6010B		4	143006	08/26/13 11:54	EFH	TAL PLS
Total/NA	Prep	7471A			142960	08/24/13 14:29	JCR	TAL PLS
Total/NA	Analysis	7471A		1	143024	08/26/13 14:10	EFH	TAL PLS
Soluble	Leach	DI Leach			142998	08/26/13 11:10	MJK	TAL PLS
Soluble	Analysis	9045C		1	143038	08/26/13 16:21	EYT	TAL PLS

Client Sample ID: BP2-7-082313

Lab Sample ID: 720-51890-35

Date Collected: 08/23/13 00:00

Matrix: Solid

Date Received: 08/23/13 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142947	08/23/13 22:23	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142894	08/24/13 02:13	ASC	TAL PLS
Total/NA	Prep	3546			142977	08/26/13 08:21	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/27/13 06:22	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			142938	08/23/13 20:35	DBT	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142955	08/25/13 01:21	DCH	TAL PLS
Total/NA	Prep	3050B			142937	08/23/13 20:02	CTD	TAL PLS
Total/NA	Analysis	6010B		4	143006	08/26/13 11:59	EFH	TAL PLS
Total/NA	Prep	7471A			142960	08/24/13 14:29	JCR	TAL PLS
Total/NA	Analysis	7471A		1	143024	08/26/13 14:12	EFH	TAL PLS
Soluble	Leach	DI Leach			142998	08/26/13 11:10	MJK	TAL PLS
Soluble	Analysis	9045C		1	143038	08/26/13 16:25	EYT	TAL PLS

Client Sample ID: BP2-8-082313

Lab Sample ID: 720-51890-40

Date Collected: 08/23/13 00:00

Matrix: Solid

Date Received: 08/23/13 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			142947	08/23/13 22:23	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	142894	08/24/13 02:41	ASC	TAL PLS
Total/NA	Prep	3546			142977	08/26/13 08:21	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	143051	08/27/13 06:45	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			142938	08/23/13 20:35	DBT	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	142955	08/25/13 01:45	DCH	TAL PLS
Total/NA	Prep	3050B			142937	08/23/13 20:02	CTD	TAL PLS

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51890-1

Client Sample ID: BP2-8-082313
Date Collected: 08/23/13 00:00
Date Received: 08/23/13 16:30

Lab Sample ID: 720-51890-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		4	143006	08/26/13 12:03	EFH	TAL PLS
Total/NA	Prep	7471A			142960	08/24/13 14:29	JCR	TAL PLS
Total/NA	Analysis	7471A		1	143024	08/26/13 14:15	EFH	TAL PLS
Soluble	Leach	DI Leach			142998	08/26/13 11:10	MJK	TAL PLS
Soluble	Analysis	9045C		1	143038	08/26/13 16:27	EYT	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51890-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51890-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8270C SIM	PAHs by GCMS (SIM)	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS
9045C	pH	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-51890-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-51890-5	BP2-1-082313	Solid	08/23/13 00:00	08/23/13 16:30
720-51890-10	BP2-2-082313	Solid	08/23/13 00:00	08/23/13 16:30
720-51890-15	BP2-3-082313	Solid	08/23/13 00:00	08/23/13 16:30
720-51890-20	BP2-4-082313	Solid	08/23/13 00:00	08/23/13 16:30
720-51890-25	BP2-5-082313	Solid	08/23/13 00:00	08/23/13 16:30
720-51890-30	BP2-6-082313	Solid	08/23/13 00:00	08/23/13 16:30
720-51890-35	BP2-7-082313	Solid	08/23/13 00:00	08/23/13 16:30
720-51890-40	BP2-8-082313	Solid	08/23/13 00:00	08/23/13 16:30

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA Pleasanton Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 Fax: (925) 600-3002

720-51890

Reference #: 148181

Date 8/23/13 Page 1 of 1

8/27/2013

Report To

Attn: K Guthrie, J Schwartz
Company: Haley & Aldrich, Inc
Address: 2033 N Main St, Walnut Creek
Email: KGuthrie@haleyaldrich.
Bill To: Haley Aldrich
Sampled By: J Sebik
Attn:
Phone: 925-357-7353

Analysis Request

Sample ID	Date	Time	Matrix	Preserv	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B	HVOCs by ☐ EPA 8260B	EPA 8260B ☐ Gas ☐ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol	TEPH EPA 8015B ☐ Silica Gel ☐ Diesel ☐ Motor Oil ☐ Other	SemiVolatile Organics GC/MS ☐ EPA 8270C	PNA/PAH's by ☐ 8270C ☐ 8270C SIM Full List	Oil and Grease (EPA 1664/9071) ☐ Petroleum ☐ Total	Pesticides ☐ EPA 8081 PCBs ☐ EPA 8082	CAM17 Metals + Hg (EPA 6010/7470/7471)	Metals: ☐ 6010B ☐ 200.7 ☐ Lead ☐ LUFT ☐ RCRA ☐ Other:	Metals ☐ 6020 ☐ 200.8 (ICP-MS)	☐ W.E.T (STLC) ☐ W.E.T (DI) ☐ TCLP	Hex Chrom by ☐ EPA 7196 ☐ or EPA 7199	pH ☐ 9040 ☐ SM4500	☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ SS ☐ TDS	Anions ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	☐ Perchlorate by EPA 314.0	COD ☐ EPA 410.4 ☐ SM5220D ☐ Turbidity	bulk PLM	Composite jars in lab	Number of Containers
BP2-1-082313	8/23/13		S	ice			X	X		X			X				X					X	X	4
BP2-2-082313							X	X		X			X				X					X	X	4
BP2-3-082313							X	X		X			X				X					X	X	4
BP2-4-082313							X	X		X			X				X					X	X	4
BP2-5-082313							X	X		X			X				X					X	X	4
BP2-6-082313							X	X		X			X				X					X	X	4
BP2-7-082313							X	X		X			X				X					X	X	4
BP2-8-082313							X	X		X			X				X					X	X	4
								JS																
								8/23/13																

Project Info.

Project Name / #: Former Hanson Aggregate Facility
PO#: 39792
Credit Card Y/N: If yes, please call with payment information ASAP

Sample Receipt

of Containers:
Head Space:
Temp: 3.8°

TAT: 10 Day | 5 Day | 4 Day | 3 Day | 2 Day | 1 Day | Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ EDF
Special Instructions / Comments: ☐ Global ID _____
Please composite 4 jars of each sample in lab.

See Terms and Conditions on reverse

1) Relinquished by: _____ Signature Time 1630
JOANNA SEBIK 8/23/13 Printed Name Date
Haley & Aldrich Company

2) Relinquished by: _____ Signature Time
_____ Printed Name Date
_____ Company

3) Relinquished by: _____ Signature Time
_____ Printed Name Date
_____ Company

RUSH

1) Received by: _____ Signature Time 1630
_____ Printed Name Date 8-23-13
_____ Company

2) Received by: _____ Signature
_____ Printed Name
_____ Company

720-51890 Chain of Custody

3) Received by: _____ Time
_____ Date
_____ Company

Rev 10/2012

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 720-51890-1

Login Number: 51890

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Mullen, Joan

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	NO TIMES
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-51890-2
Client Project/Site: Hansen

For:
Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, California 94596

Attn: Kristin Guthrie

Authorized for release by:
8/29/2013 10:29:05 AM

Dimple Sharma, Project Manager I
dimple.sharma@testamericainc.com

EMLab P&K
A TestAmerica Company

Report for:

Ms. Dimple Sharma
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566

Regarding: Project: 720-51890-1
EML ID: 1105555

Approved by:

Dates of Analysis:
Asbestos-EPA Method 600/R-93/116: 08-27-2013

Approved Signatory
Miguel Ines

Service SOPs: Asbestos-EPA Method 600/R-93/116 (EPA-600/M4-82-020 (SOP 01267))

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the items tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

EMLab P&K
17461 Derian Ave, Suite 100, Irvine, CA 92614
(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica Pleasanton
C/O: Ms. Dimple Sharma
Re: 720-51890-1

Date of Sampling: 08-23-2013
Date of Receipt: 08-27-2013
Date of Report: 08-27-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted:	8
Total Samples Analysed:	8
Total Samples with Layer Asbestos Content > 1%:	0

Location: BP2-1-082313 (720-51890-5) Lab ID-Version‡: 4986450-1

Sample Layers	Asbestos Content
Gray Soil with Granular Minerals	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Moderate

Location: BP2-2-082313 (720-51890-10) Lab ID-Version‡: 4986451-1

Sample Layers	Asbestos Content
Gray Soil with Granular Minerals	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Moderate

Location: BP2-3-082313 (720-51890-15) Lab ID-Version‡: 4986452-1

Sample Layers	Asbestos Content
Gray Soil with Granular Minerals	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Moderate

Location: BP2-4-082313 (720-51890-20) Lab ID-Version‡: 4986453-1

Sample Layers	Asbestos Content
Gray Soil with Granular Minerals	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K
17461 Derian Ave, Suite 100, Irvine, CA 92614
(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica Pleasanton
C/O: Ms. Dimple Sharma
Re: 720-51890-1

Date of Sampling: 08-23-2013
Date of Receipt: 08-27-2013
Date of Report: 08-27-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: BP2-5-082313 (720-51890-25) Lab ID-Version‡: 4986454-1

Sample Layers	Asbestos Content
Gray Soil with Granular Minerals	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Moderate

Location: BP2-6-082313 (720-51890-30) Lab ID-Version‡: 4986455-1

Sample Layers	Asbestos Content
Gray Soil with Granular Minerals	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Moderate

Location: BP2-7-082313 (720-51890-35) Lab ID-Version‡: 4986456-1

Sample Layers	Asbestos Content
Gray Soil with Granular Minerals	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Moderate

Location: BP2-8-082313 (720-51890-40) Lab ID-Version‡: 4986457-1

Sample Layers	Asbestos Content
Gray Soil with Granular Minerals	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA Pleasanton Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 Fax: (925) 600-3002

720-51890

Reference #: 148181

Date 8/23/13 Page 1 of 1

8/29/2013

Report To

Attn: K Guthrie, J Schwartz
Company: Haley & Aldrich, Inc
Address: 2033 N Main St, Walnut Creek
Email: KGuthrie@haleyaldrich.
Bill To: Haley Aldrich
Sampled By: J Sebik
Attn:
Phone: 925-357-7353

Analysis Request

Sample ID	Date	Time	Matrix	Preserv	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B	HVOCs by ☐ EPA 8260B	EPA 8260B ☐ Gas ☐ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol	TEPH EPA 8015B ☐ Silica Gel ☐ Diesel ☐ Motor Oil ☐ Other	SemiVolatile Organics GC/MS ☐ EPA 8270C	PNA/PAH's by ☐ 8270C ☐ 8270C SIM Full List	Oil and Grease (EPA 1664/9071) ☐ Petroleum ☐ Total	Pesticides ☐ EPA 8081 PCBs ☐ EPA 8082	CAM17 Metals + Hg (EPA 6010/7470/7471)	Metals: ☐ 6010B ☐ 200.7 ☐ Lead ☐ LUFT ☐ RCRA ☐ Other:	Metals ☐ 6020 ☐ 200.8 (ICP-MS)	☐ W.E.T (STLC) ☐ W.E.T (DI) ☐ TCLP	Hex Chrom by ☐ EPA 7196 ☐ or EPA 7199	pH ☐ 9040 ☐ SM4500	☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ SS ☐ TDS	Anions ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	☐ Perchlorate by EPA 314.0	COD ☐ EPA 410.4 ☐ SM5220D ☐ Turbidity	bulk PLM	Composite jars in lab	Number of Containers
BP2-1-082313	8/23/13		S	ice			X	X		X			X				X						X	X	4
BP2-2-082313							X	X		X			X				X						X	X	4
BP2-3-082313							X	X		X			X				X						X	X	4
BP2-4-082313							X	X		X			X				X						X	X	4
BP2-5-082313							X	X		X			X				X						X	X	4
BP2-6-082313							X	X		X			X				X						X	X	4
BP2-7-082313							X	X		X			X				X						X	X	4
BP2-8-082313							X	X		X			X				X						X	X	4
								JS																	
								8/23/13																	

Project Info.

Project Name / #: Former Hanson Aggregate Facility
PO#: 39792
Credit Card Y/N: If yes, please call with payment information ASAP

Sample Receipt

of Containers:
Head Space:
Temp: 3.8°

TAT: 10 Day | 5 Day | 4 Day | 3 Day | 2 Day | 1 Day | Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ EDF
Special Instructions / Comments: ☐ Global ID _____
Please composite 4 jars of each sample in lab.

See Terms and Conditions on reverse

1) Relinquished by:
Signature: 1630 Time
Printed Name: JOANNA SEBIK 8/23/13 Date
Company: Haley & Aldrich

2) Relinquished by:
Signature Time
Printed Name Date
Company

3) Relinquished by:
Signature Time
Printed Name Date
Company

RUSH

1) Received by:
Signature: 1630 Time
Printed Name: 8-23-13 Date
Company

2) Received by:
Signature
Printed Name
Company

3) Received by:
Time
Date
Company

720-51890 Chain of Custody

Rev 10/2012

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 720-51890-2

Login Number: 51890

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Mullen, Joan

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	NO TIMES
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	