

USL Pleasanton Lakes, L.P.

July 18, 2012

RECEIVED

9:42 am, Jul 23, 2012

Alameda County
Environmental Health

Mr. Jerry Wickham, PG (sent via E-mail to: jerry.wickham@acgov.org)
Alameda County Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway
Suite 250
Alameda, CA 94502-6577

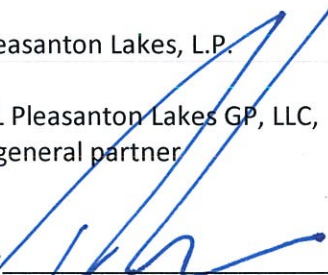
RE: Stockpile Soil Sampling, Former Hanson Aggregates Radum Facility, 3000 Busch Rd, Pleasanton, CA

Dear Jerry:

We declare under penalty of perjury, that the information and/or recommendations contained in the document prepared by Haley and Aldrich, dated 18 July 2012, is true and correct to the best of our knowledge.

USL Pleasanton Lakes, L.P.

By: USL Pleasanton Lakes GP, LLC,
Its general partner

By: 
Name: Thomas G. Bacon
Title: Manager

AKP

**ENVIRONMENTAL ON-SITE STOCKPILE SAMPLING
RESULTS
FORMER HANSON AGGREGATES FACILITY, 3000 BUSCH
ROAD
PLEASANTON, CALIFORNIA**

by

**Haley & Aldrich, Inc.
Walnut Creek, California**

for

**Alameda County Health Care Services Agency
Alameda, California 94502**

**File No. 39048-000
17 July 2012**



17 July 2012
File No. 39048-000

Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Attention: Mr. Jerry Wickham

Subject: Environmental On-Site Stockpile Sampling Results
Former Hanson Aggregate Facility
3000 Busch Road
Pleasanton, California

Dear Mr. Wickham:

Haley & Aldrich, Inc. (Haley & Aldrich) is pleased to submit this report to the Alameda County Health Care Services Agency (Agency) for environmental sampling performed to assess the environmental quality of the soil stockpile located at the Former Hanson Aggregates (Hanson) Radum Facility at 3000 Busch Road in Pleasanton, California (Site). The environmental testing was used to evaluate whether the stockpile is an acceptable fill source for backfilling activities at Busch Pit, which is also located at the Site. Our work was performed in response to the letter from the Agency dated 30 April 2012, "Response to Comments Regarding Filling Activities at the Busch Pit."

This report presents the on-site soil sampling procedures, review of test results, and conclusions on the environmental quality of the stockpile as backfill.

BACKGROUND

Busch Pit is located along the western portion of the Site, just north of Busch Road. The pit has plan dimensions of roughly 400 feet by 500 feet, and will require approximately 354,000 cubic yards (CY) of soil to fill. To date, approximately 30,800 CY have already been placed within the pit. The pit was originally excavated as a gravel pit as part of the Kaiser Sand and Gravel mining operation. Based on aerial photographs and historical topographic maps, the pit was excavated between 1980 and 1982. After the gravel pits in this section were mined out, most were backfilled with mine spoil and aggregate wash water sediment. However, Busch Pit was not backfilled and was subsequently used as a storm water retention pond. USL Pleasanton Lakes, LP (Pleasanton Lakes) purchased this Site on 25 May 2012.

The on-site source stockpile is located 500 feet northeast of the pit. The 750,000 CY that comprise the stockpile consist of overburden soil from prior on-site mining activities. The average height of the stockpile appears to range from 5 to 15 feet above the surrounding ground surface. Previous environmental testing has been performed on the stockpile by Treadwell & Rollo (T&R) and presented in a letter titled "Borrow Soil Characterization, Pleasanton Quarry - Parcels E and F, Pleasanton,

California' dated 24 October 2007. The information contained in the T&R letter indicates that the 750,000 CY fill stockpile is suitable material for filling Busch Pit. The analyses included testing for the presence of total petroleum hydrocarbons (TPH) quantified as gasoline, diesel, and motor oil; volatile organic compounds (VOCs); semi-volatile organic compounds (SVOCs); CAM 17 metals; organochlorine pesticides; and polychlorinated biphenyls (PCBs).

SAMPLING METHODOLOGY

The purpose of the June 2012 soil sampling event was to collect representative samples to assess the environmental quality of the soil for use as backfill. As stated in the 30 April 2012 letter from the Agency, the stockpile must meet the criteria presented in the "Information Advisory, Clean Imported Fill Material," prepared by the California Department of Toxic Substances Control (DTSC) and dated October 2001. Based on this guidance document and the volume of soil at the stockpile, a large number of samples were to be taken and analyzed (approximately 350).

Haley & Aldrich decided that 50 samples would be adequate if the sample group was evaluated using the EPA guidance document, SW-846, *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (EPA, 2010).

For sample selection, the stockpile was divided into a grid of 55 boxes, 160 feet by 160 feet each, as shown on Figure 2. Each grid location had a range of possible samples based on depth. The sample depths were dependant on the proposed amount of soil that will be removed during backfill activities (top of stockpile versus proposed grading contours). The grading plan is shown on Figure 2 and was provided by Kier & Wright Civil Engineers & Surveyors, Inc. dated 12 June 2012. Each grid location with a sample depth was given a number and placed in the random number generator to generate the location and depth to be sampled.

During the investigation, 53 subsurface soil sampling locations, as shown on Figure 2, were selected using a random number generator. Soil samples were tested for TPH (EPA method 8015B and 8260B), SVOCs (EPA method 8270 C), CAM 17 metals (EPA method 6010B and 7471A), and every fifth sample was tested for PCBs (EPA method 8082). Soil sample locations with depths and corresponding sample IDs are shown on Table I.

Samples were obtained with an excavator or a hand auger digging to the desired depth. Soil samples were immediately placed on ice after collection and delivered under chain-of-custody protocol to TestAmerica Laboratories in Pleasanton, California for analysis. Locations were backfilled with the spoils and tamped by the bucket for compaction.

RESULTS

A total of 53 soil samples were collected, HA01 through HA50, and HAS1 through HAS3, ranging in depth of 0.5 to 10 feet bgs. Laboratory reports were reviewed by a staff chemist for quality assurance. Analytes with test results higher than the reporting limit are tabulated in Table II. The majority of

analytes was non-detect, and therefore, not listed on the table. All laboratory reports are compiled in Appendix A.

Soil Description

Soil was not logged during this investigation. The majority of the stockpile soils were a brown silty clayey material, with increased gravel content on the eastern side of the stockpile. Gravels encountered were 2 inches in diameter. No unusual odors, staining, or materials such as asphalt were observed during the sampling.

Statistical Analysis

Upon review of test results, the EPA-developed program ProUCL 4.1.00 was utilized to calculate a 95% upper confidence limit (95% UCL) of the mean concentration for each analyte with at least one result that was detected in the soil above the Tier 1 environmental screening levels (ESLs) established by the San Francisco Bay Region, California Regional Water Quality Control Board (SFRWQCB, 2008) for "Shallow Soil Screening Levels for Residential Land Use (Potentially Contaminated Groundwater is a Current or Potential Drinking Water Resource)". The ProUCL program was developed to evaluate data sets with and without non-detect observations. Analytes that were evaluated include motor oil, nickel, naphthalene, 2-methylnaphthalene, and diesel although no results were above the ESL for this analyte. When a sample was non-detect for an analyte, half of the reporting limit was used to calculate the 95% UCL. Table II presents the 95% UCL values calculated and recommended by the ProUCL program, as listed under the ESL for the particular analyte.

The frequencies of detection for motor range oil, naphthalene, and 2-methylnaphthalene are very low (<6%). The calculated UCL values are generally overestimated. Under such circumstances, the sample median or mode may be used as an estimate for exposure point concentration (ProUCL, 2010).

DISCUSSION AND SCREENING LEVEL COMPARISON

The 30 April 2012 letter received from the Agency states that the Tier 1 ESLs should be used to evaluate if the soil meets the environmental criteria for fill acceptance. Table II presents the soil laboratory results that were above the ESLs, as shown in bold type.

Arsenic and vanadium results were higher than the ESLs for Tier I, but lower than background levels found in California soils. The SFRWQCB proposes that an arsenic level of 11 milligrams per kilogram (mg/Kg) is a background level that can be used when screening for this element within soils, although they have not yet updated the ESLs to reflect this change. The Kearny Foundation of Soil Science research found that an average background level for vanadium in California soils is 112 mg/Kg.


CONCLUSIONS AND RECOMMENDATIONS

Based on our review of the laboratory test results and the environmental assessment of the stockpile soils, it is our professional opinion that the stockpile soils meet the environmental criteria, and are

therefore an acceptable use of backfill material for the Busch Pit. The few analytes with test results above the ESL have a 95% upper confidence limit well below the ESL for that analyte.

Sincerely yours,

HALEY & ALDRICH, INC.


Voytek Bajsarowicz
Senior Program Manager


Jessica Bernardini, P.E.
Assistant Project Manager



Enclosures:

References

Table I – Sampling Locations with Sample IDs

Table II – Soil Analytical Results

Figure 1 – Project Locus

Figure 2 – Stockpile Grading Plan with Sample Locations

Appendix A – Laboratory Reports

c: The Lionstone Group; Attn: Debra Patterson

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REFERENCES

1. San Francisco Bay Region, California Regional Water Quality Control Board (RWQCB), San Francisco Bay Region. 2008. Screening for Environmental Concerns at Sites Contaminated with Soil and Groundwater. May.
2. EPA. 2007. SW-846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods. February.
3. EPA, Research and Development. 2010. ProUCL Version 4.1.00, Technical Guide (Draft). May.
4. Kearny Foundation of Soil Science, University of California. 1996. Background Concentrations of Trace and Major Elements in California Soil. March.

TABLES

Table I - Sample Locations with Sample IDs
Environmental On-Site Stockpile Sampling
Pleasanton, CA

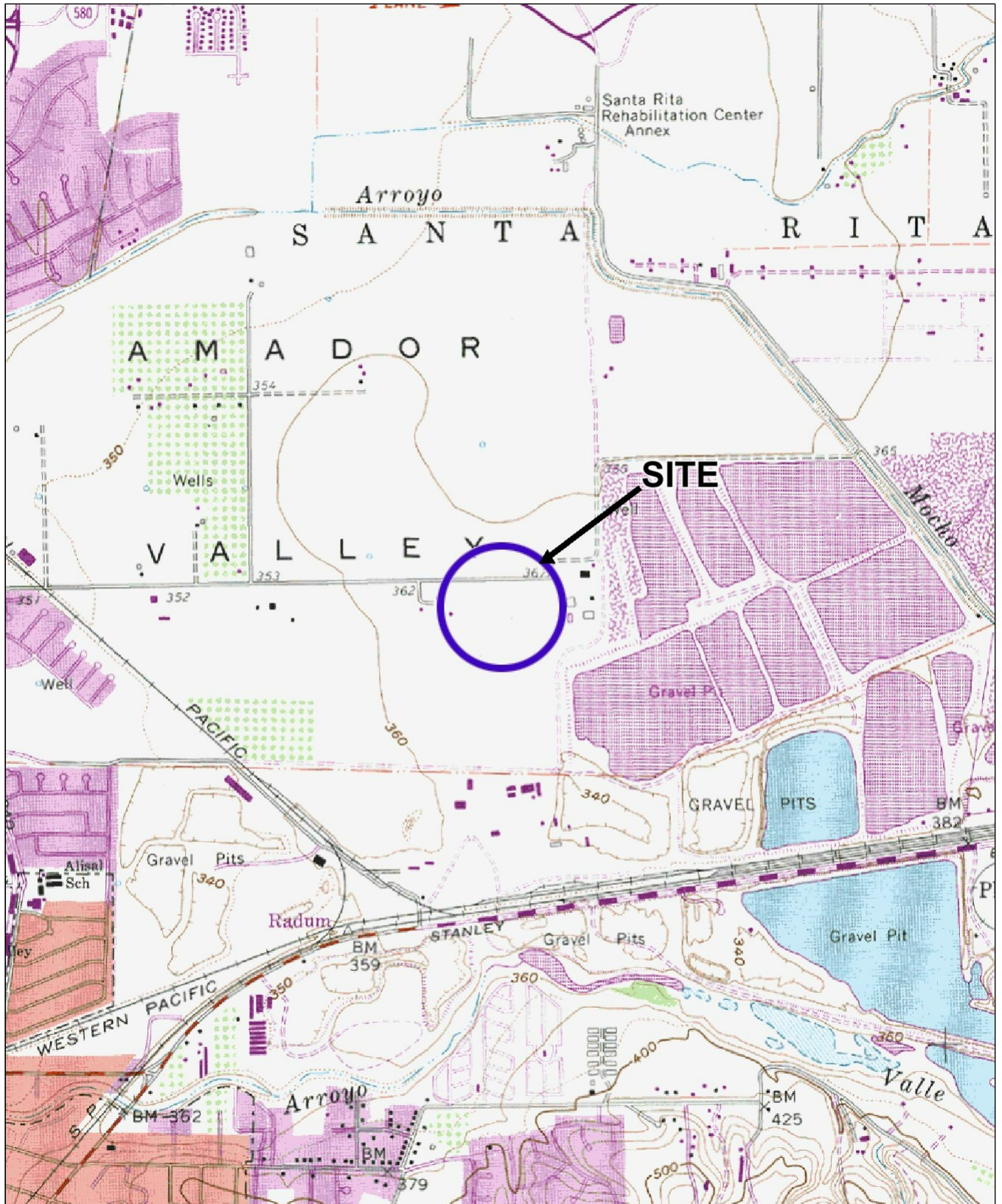
Grid Number	Depth	Sample Number	Location ID
4	2.0	01	HA01-G4-2.0
5	2.0	02	HA02-G5-2.0
7	2.0	03	HA03-G7-2.0
8	2.0	04	HA04-G8-2.0
16	2.0	05	HA05-G16-2.0
16	7.5	06	HA06-G16-7.5
17	5.0	07	HA07-G17-5.0
18	5.0	08	HA08-G18-5.0
20	4.0	09	HA09-G20-4.0
26	2.0	10	HA10-G26-2.0
26	5.0	11	HA11-G26-5.0
27	2.0	12	HA12-G27-2.0
27	7.5	13	HA13-G27-7.5
28	7.5	14	HA14-G28-7.5
29	10.0	15	HA15-G29-10.0
31	2.0	16	HA16-G31-2.0
31	8.0	17	HA17-G31-8.0
32	5.0	18	HA18-G32-5.0
32	7.5	19	HA19-G32-7.5
33	2.0	20	HA20-G33-2.0
33	5.0	21	HA21-G33-5.0
33	7.5	22	HA22-G33-7.5
34	2.0	23	HA23-G34-2.0
34	7.5	24	HA24-G34-7.5
35	5.0	25	HA25-G35-5.0
37	2.0	26	HA26-G37-2.0
37	5.0	27	HA27-G37-5.0
37	7.5	28	HA28-G37-7.5
38	2.0	29	HA29-G38-2.0
38	5.0	30	HA30-G38-5.0
38	7.5	31	HA31-G38-7.5
39	2.0	32	HA32-G39-2.0
40	5.0	33	HA33-G40-5.0
41	5.0	34	HA34-G41-5.0
41	7.5	35	HA35-G41-7.5
42	5.0	36	HA36-G42-5.0
43	5.0	37	HA37-G43-5.0
43	7.5	38	HA38-G43-7.5
44	2.0	39	HA39-G44-2.0
44	5.0	40	HA40-G44-5.0
45	7.5	41	HA41-G45-7.5
46	2.0	42	HA42-G46-2.0
46	5.0	43	HA43-G46-5.0
47	2.0	44	HA44-G47-2.0
48	7.5	45	HA45-G48-7.5
50	2.0	46	HA46-G50-2.0
50	7.5	47	HA47-G50-7.5
52	2.0	48	HA48-G52-2.0
52	7.5	49	HA49-G52-7.5
55	7.5	50	HA50-G55-7.5
10	1.0	S1	HAS1-10-1.0
22	1.0	S1	HAS2-22-1.0
24	0.5	S3	HAS3-24-0.5

						Analytes Detected															
						Diesel Range Organics	Motor Oil Range Organics	Arsenic	Barium	Beryllium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Vanadium	Zinc	Naphthalene	2-Methylnaphthalene	Benanthrene
Reporting Limit (mg/Kg)						0.99	49	3.7	1.9	0.38	1.9	0.75	5.6	1.9	0.0083	1.9	1.9	5.6	0.066	0.066	0.066
Sample ID	Collection Date	Sampler	Depth (feet below Site)	Matrix	Unit																
HA01-G4-2.0	6/26/2012	H&A	2.0	Solid	mg/Kg	ND	ND	6.8	220	ND	84	18	40	9.7	0.15	130	37	67	ND	ND	ND
HA02-G5-2.0	6/26/2012	H&A	2.0	Solid	mg/Kg	ND	ND	6.3	190	ND	77	14	34	8.4	0.099	99	34	60	ND	ND	ND
HA03-G7-2.0	6/26/2012	H&A	2.0	Solid	mg/Kg	1.1	ND	5.7	220	ND	82	17	37	7.8	0.11	130	35	59	ND	ND	ND
HA04-G8-2.0	6/26/2012	H&A	2.0	Solid	mg/Kg	ND	ND	7	220	ND	80	16	38	8.7	0.12	92	37	62	ND	ND	ND
HA05-G16-2.0	6/26/2012	H&A	2.0	Solid	mg/Kg	ND	ND	6.3	200	ND	75	16	34	8.2	0.19	120	32	58	ND	ND	ND
HA06-G16-7.5	6/26/2012	H&A	7.5	Solid	mg/Kg	ND	ND	5.6	180	ND	66	15	31	7.5	0.098	110	30	55	ND	ND	ND
HA07-G17-5.0	6/26/2012	H&A	5.0	Solid	mg/Kg	ND	ND	6.4	240	ND	84	17	40	8.2	0.24	130	37	59	ND	ND	ND
HA08-G18-5.0	6/26/2012	H&A	5.0	Solid	mg/Kg	ND	ND	4.9	130	ND	65	12	29	6.2	0.068	86	31	50	ND	ND	ND
HA09-G20-4.0	6/26/2012	H&A	4.0	Solid	mg/Kg	ND	ND	6.5	230	ND	80	20	41	10	0.1	140	34	63	ND	ND	ND
HA10-G26-2.0	6/26/2012	H&A	2.0	Solid	mg/Kg	ND	ND	5.7	170	ND	72	13	32	7.6	0.071	97	32	52	ND	ND	ND
HA11-G26-5.0	6/26/2012	H&A	5.0	Solid	mg/Kg	81	440	5.2	270	ND	65	15	32	8.8	0.12	93	42	51	ND	ND	ND
HA12-G27-2.0	6/25/2012	H&A	2.0	Solid	mg/Kg	ND	ND	7	190	ND	73	17	35	8.9	0.14	110	35	63	ND	ND	ND
HA13-G27-7.5	6/25/2012	H&A	7.5	Solid	mg/Kg	ND	ND	5.9	250	ND	67	17	31	8.1	0.13	120	33	55	ND	ND	ND
HA14-G28-7.5	6/25/2012	H&A	7.5	Solid	mg/Kg	ND	ND	6.3	260	ND	68	16	32	8.36	0.17	110	33	56	ND	ND	ND
HA15-G29-10.0	6/26/2012	H&A	10.0	Solid	mg/Kg	ND	ND	7	230	0.39	95	20	43	10	0.07	160	62	71	ND	ND	ND
HA16-G31-2.0	6/26/2012	H&A	2.0	Solid	mg/Kg	ND	ND	7.5	260	0.43	110	19	47	12	0.16	130	48	76	ND	ND	ND
HA17-G31-8.0	6/26/2012	H&A	8.0	Solid	mg/Kg	ND	ND	7.5	270	0.4	94	18	44	11	0.13	130	43	74	ND	ND	ND
HA18-G32-5.0	6/26/2012	H&A	5.0	Solid	mg/Kg	ND	ND	6.7	200	ND	84	16	37	11	0.099	110	38	65	ND	ND	ND
HA19-G32-7.5	6/26/2012	H&A	7.5	Solid	mg/Kg	ND	ND	7.4	290	0.48	100	20	45	12	0.092	120	47	70	ND	ND	ND
HA20-G33-2.0	6/26/2012	H&A	2.0	Solid	mg/Kg	ND	ND	8.2	250	0.46	95	18	46	11	0.19	140	46	73	ND	ND	ND
HA21-G33-5.0	6/26/2012	H&A	5.0	Solid	mg/Kg	ND	ND	6	180	ND	89	15	36	8.8	0.093	120	37	61	ND	ND	ND
HA22-G33-7.5	6/26/2012	H&A	7.5	Solid	mg/Kg	ND	ND	6.8	220	ND	85	17	40	9.8	0.11	120	40	66	ND	ND	ND
HA23-G34-2.0	6/26/2012	H&A	2.0	Solid	mg/Kg	1	ND	7.7	220	0.4	91	19	42	11	0.11	140	42	69	ND	ND	ND
HA24-G34-7.5	6/26/2012	H&A	7.5	Solid	mg/Kg	ND	ND	7.8	260	0.41	91	19	42	11	0.11	130	42	68	2.3	0.27	0.1
HA25-G35-5.0	6/26/2012	H&A	5.0	Solid	mg/Kg	20	110	7.3	220	0.37	95	19	42	11	0.1	140	44	71	ND	ND	ND
HA26-G37-2.0	6/26/2012	H&A	2.0	Solid	mg/Kg	ND	ND	5.8	140	ND	69	13	28	7.2	0.052	97	33	52	ND	ND	ND
HA27-G37-5.0	6/26/2012	H&A	5.0	Solid	mg/Kg	ND	ND	6.2	170	ND	76	18	36	8.8	0.073	120	49	68	ND	ND	ND
HA28-G37-7.5	6/26/2012	H&A	7.5	Solid	mg/Kg	ND	ND	6.2	210	ND	78	17	36	9.9	0.074	120	40	62	ND	ND	ND
HA29-G38-2.0	6/26/2012	H&A	2.0	Solid	mg/Kg	ND	ND	4.9	150	ND	62	13	29	7.5	0.13	93	31	52	ND	ND	ND
HA30-G38-5.0	6/26/2012	H&A	5.0	Solid	mg/Kg	1.1	ND	6.6	190	ND	78	16	35	8.9	0.073	110	36	65	ND	ND	ND
HA31-G38-7.5	6/26/2012	H&A	7.5	Solid	mg/Kg	0.99	ND	7.6	230	ND	86	19	44	9.9	0.078	120	41	69	ND	ND	ND
HA32-G39-2.0	6/25/2012	H&A	2.0	Solid	mg/Kg	ND	ND	6.2	150	ND	56	16	31	7.7	0.12	92	28	54	ND	ND	ND
HA33-G40-5.0	6/25/2012	H&A	5.0	Solid	mg/Kg	1.3	ND	5.4	150	ND	73	15	28	6.4	0.088	130	31	50	ND	ND	ND
HA34-G41-5.0	6/25/2012	H&A	5.0	Solid	mg/Kg	ND	ND	5.6	190	ND	71	15	32	7.3	0.12	140	35	55	ND	ND	ND
HA35-G41-7.5	6/25/2012	H&A	7.5	Solid	mg/Kg	ND	ND	4.6	160	ND	68	14	28	5.9	0.073	130	28	47	ND	ND	ND
HA36-G42-5.0	6/26/2012	H&A	5.0	Solid	mg/Kg	ND	ND	6.4	240	0.4	86	19	40	9.4	0.1	160	39	62	ND	ND	ND
HA37-G43-5.0	6/25/2012	H&A	5.0	Solid	mg/Kg	1.2	ND	5.4	150	ND	59	14	28	7.3	0.11	91	30	52	ND	ND	ND
HA38-G43-7.5	6/25/2012	H&A	7.5	Solid	mg/Kg	ND	ND	6.3	210	ND	69	16	33	9	0.087	98	34	61	ND	ND	ND
HA39-G44-2.0	6/25/2012	H&A	2.0	Solid	mg/Kg	1.8	ND	6.2	190	ND	65	15	29	7.6	0.11	100	32	55	ND	ND	ND
HA40-G44-5.0	6/25/2012	H&A	5.0	Solid	mg/Kg	1.4	ND	5.7	240	ND	68	15	31	8	0.085	100	34	57	ND	ND	ND
HA41-G45-7.5	6/25/2012	H&A	7.5	Solid	mg/Kg	1.3	ND	7	220	ND	76	21	36	9.7	0.081	120	40	60	ND	ND	ND
HA42-G46-2.0	6/25/2012	H&A	2.0	Solid	mg/Kg	ND	ND	6.4	160	ND	75	15	31	8.4	0.11	100	37	62	ND	ND	ND
HA43-G46-5.0	6/25/2012	H&A	5.0	Solid	mg/Kg	1.4	ND	6.9	230	ND	89	17	39	9.1	0.088	140	42	64	ND	ND	ND
HA44-G47-2.0	6/25/2012	H&A	2.0	Solid	mg/Kg	6.5	56	6.5	160	ND	80	15	32	8.2	0.059	110	39	60	ND	ND	ND
HA45-G48-7.5	6/25/2012	H&A	7.5	Solid	mg/Kg	ND	ND	6.1	180	ND	69	15	31	8	0.12	110	31	55	ND	ND	ND
HA46-G50-2.0	6/25/2012	H&A	2.0	Solid	mg/Kg	ND	ND	4.6	140	ND	90	14	26	6	0.22	130	27	45	ND	ND	ND
HA47-G50-7.5	6/25/2012	H&A	7.5	Solid	mg/Kg	6.4	ND	6.3	180	ND	68	15	33	8.9	0.15	99	34	60	ND	ND	ND
HA48-G52-2.0	6/25/2012	H&A	2.0	Solid	mg/Kg	1.1	ND	5.6	190	ND	65	15	30	7.9	0.46	110	31	53	ND	ND	ND
HA49-G52-7.5	6/25/2012	H&A	7.5	Solid	mg/Kg	ND	ND	6.1	200	ND	68	16	32	8.2	0.17	110	33	58	ND	ND	ND
HA50-G55-7.5	6/25/2012	H&A	7.5	Solid	mg/Kg	1.9	ND	5.3	190	ND	60	14	24	7.5	0.056	88	31	51	ND	ND	ND
HAS1-10-1.0	7/5/2012	H&A	1.0	Solid	mg/Kg	2.5	ND	5.4	160	ND	69	12	28	7.3	0.093	90	31	49	ND	ND	ND
HAS2-22-1.0	7/5/2012	H&A	1.0	Solid	mg/Kg	3.3	ND	7.2	270	ND	91	19	43.0	11	0.13	140	42	66	ND	ND	ND
HAS3-24-0.5	7/5/2012	H&A	0.5	Solid	mg/Kg	6.4	ND	7.5	240	ND	94	17	47.0	12	0.093	120	48	74	ND	ND	ND
ESL (mg/Kg)						83	370	0.39 ¹	750	4	750	40	230	200	1.3	150	16 ¹	600	1.3	0.25	11
95% Confidence Level (mg/Kg)						9	49									121			0.266	0.049	

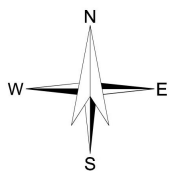
Notes:

- 1) ESLs are below the background levels for arsenic (11 mg/Kg) and vanadium (112 mg/Kg).
- 2) All soil sample results given in milligrams per kilogram (mg/Kg).
- 3) **BOLD** indicates detection at or above the ESLs.
- 4) Test results with ND for all soil samples are not reported on this table.

FIGURES



SITE COORDINATES: 37°40'52"N 121°51'9"W



U.S.G.S. QUADRANGLE: LIVERMORE, CA

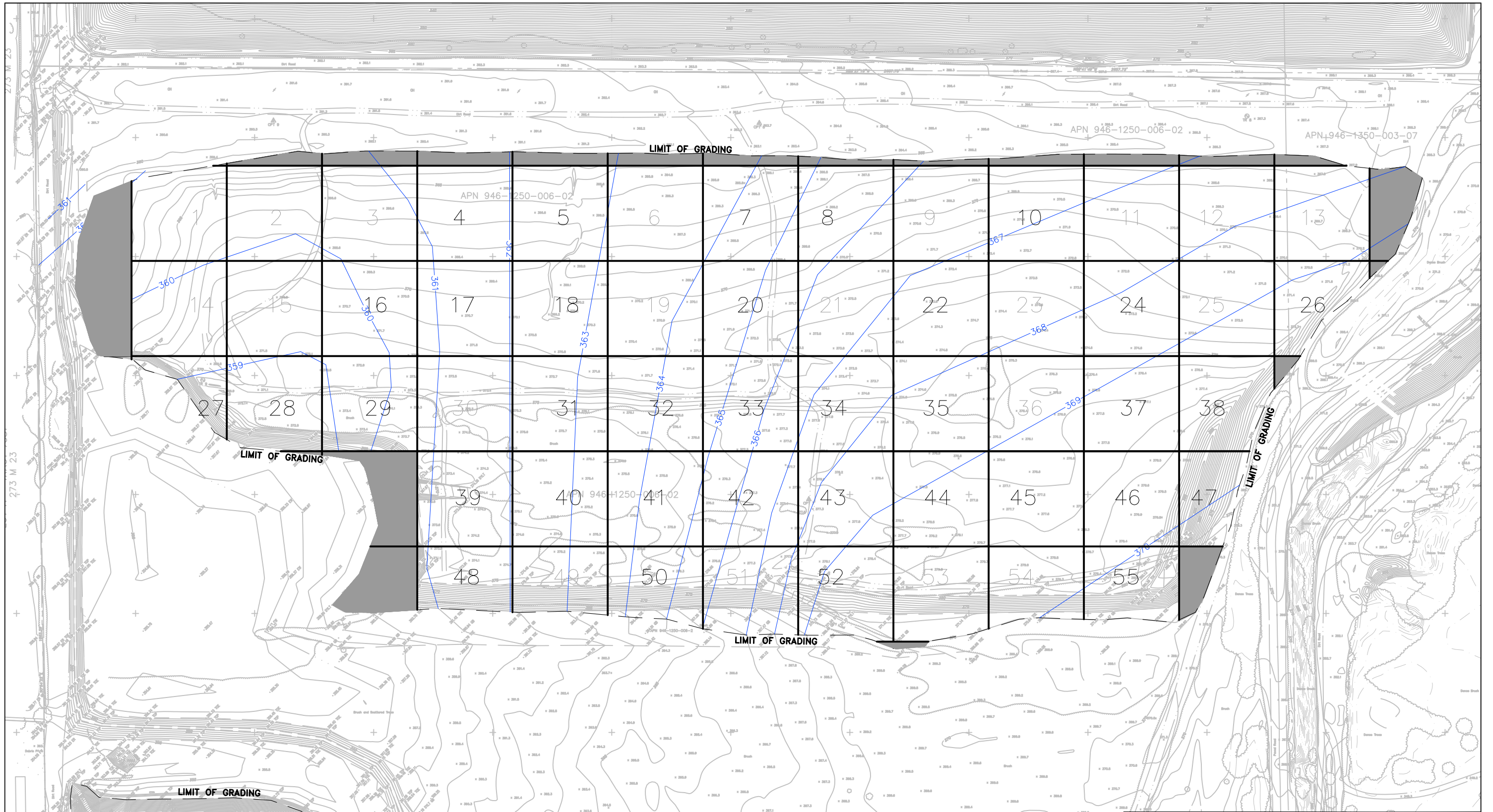
HALEY & ALDRICH

ENVIRONMENTAL ON-SITE STOCKPILE SAMPLING
FORMER HANSON AGGREGATES FACILITY, 3000 BUSCH ROAD
PLEASANTON, CALIFORNIA

PROJECT LOCUS

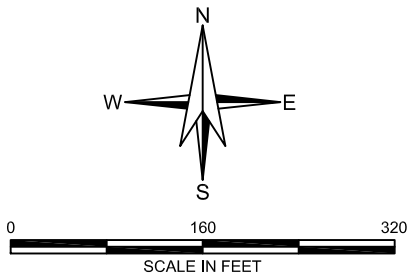
SCALE: 1:24,000
JULY 112

FIGURE 1



LEGEND:
 48 SAMPLE LOCATION SELECTED THROUGH RANDOM NUMBER GENERATOR
 49 SAMPLE LOCATION NOT SELECTED FOR SAMPLING
 — PROPOSED GRADING CONTOURS

NOTES:
 1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 2. SAMPLE LOCATIONS WERE TAKEN AT VARIOUS DEPTHS WITHIN THE STOCKPILE. SEE TABLE 1 FOR SAMPLE IDs WITH THE DEPTH AT WHICH THE SAMPLE WAS OBTAINED.



HALEY & ALDRICH ENVIRONMENTAL ON-SITE STOCKPILE SAMPLING
 FORMER HANSON AGGREGATES FACILITY, 3000 BUSCH ROAD
 PLEASANTON, CALIFORNIA

**STOCKPILE GRADING PLAN
 WITH SAMPLE LOCATIONS**

SCALE: AS SHOWN
 JULY 2012

FIGURE 2

APPENDIX A
Laboratory Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

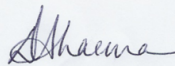
ANALYTICAL REPORT

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

TestAmerica Job ID: 720-42932-1
Client Project/Site: Hansen

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

Attn: Jessica Bernardini



Authorized for release by:
7/3/2012 5:44:28 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.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.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14



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Definitions/Glossary

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

TestAmerica Job ID: 720-42932-1

Qualifiers

Metals

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

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
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

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

TestAmerica Job ID: 720-42932-1

Job ID: 720-42932-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-42932-1

Comments

No additional comments.

Receipt

The samples were received on 6/25/2012 6:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.4° C and 5.9° 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

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 116265 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 7471A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 116318 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 7471A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 116367 were outside control limits. The associated laboratory control sample (LCS) recovery 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: 720-42932-1

Client Sample ID: HA50-G55-7.5

Lab Sample ID: 720-42932-1

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	Total/NA
Arsenic	5.3		3.7		mg/Kg	4		6010B	Total/NA
Barium	190		1.9		mg/Kg	4		6010B	Total/NA
Chromium	60		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	14		0.75		mg/Kg	4		6010B	Total/NA
Copper	28		5.6		mg/Kg	4		6010B	Total/NA
Lead	7.5		1.9		mg/Kg	4		6010B	Total/NA
Nickel	88		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	31		1.9		mg/Kg	4		6010B	Total/NA
Zinc	51		5.6		mg/Kg	4		6010B	Total/NA
Mercury	0.056		0.0083		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA48-G52-2.0

Lab Sample ID: 720-42932-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.1		1.0		mg/Kg	1		8015B	Total/NA
Arsenic	5.6		3.7		mg/Kg	4		6010B	Total/NA
Barium	190		1.9		mg/Kg	4		6010B	Total/NA
Chromium	65		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	15		0.75		mg/Kg	4		6010B	Total/NA
Copper	30		5.6		mg/Kg	4		6010B	Total/NA
Lead	7.9		1.9		mg/Kg	4		6010B	Total/NA
Nickel	110		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	31		1.9		mg/Kg	4		6010B	Total/NA
Zinc	53		5.6		mg/Kg	4		6010B	Total/NA
Mercury	0.46		0.0091		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA49-G52-7.5

Lab Sample ID: 720-42932-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.1		3.9		mg/Kg	4		6010B	Total/NA
Barium	200		1.9		mg/Kg	4		6010B	Total/NA
Chromium	68		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	16		0.78		mg/Kg	4		6010B	Total/NA
Copper	32		5.8		mg/Kg	4		6010B	Total/NA
Lead	8.2		1.9		mg/Kg	4		6010B	Total/NA
Nickel	110		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	33		1.9		mg/Kg	4		6010B	Total/NA
Zinc	58		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.17		0.0088		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA46-G50-2.0

Lab Sample ID: 720-42932-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.6		3.8		mg/Kg	4		6010B	Total/NA
Barium	140		1.9		mg/Kg	4		6010B	Total/NA
Chromium	90		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	14		0.76		mg/Kg	4		6010B	Total/NA
Copper	26		5.7		mg/Kg	4		6010B	Total/NA
Lead	6.0		1.9		mg/Kg	4		6010B	Total/NA
Nickel	130		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	27		1.9		mg/Kg	4		6010B	Total/NA
Zinc	45		5.7		mg/Kg	4		6010B	Total/NA

Detection Summary

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA46-G50-2.0 (Continued)

Lab Sample ID: 720-42932-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.22		0.0098		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA47-G50-7.5

Lab Sample ID: 720-42932-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	6.4		1.0		mg/Kg	1		8015B	Total/NA
Arsenic	6.3		3.7		mg/Kg	4		6010B	Total/NA
Barium	180		1.9		mg/Kg	4		6010B	Total/NA
Chromium	68		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	15		0.75		mg/Kg	4		6010B	Total/NA
Copper	33		5.6		mg/Kg	4		6010B	Total/NA
Lead	8.9		1.9		mg/Kg	4		6010B	Total/NA
Nickel	99		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	34		1.9		mg/Kg	4		6010B	Total/NA
Zinc	60		5.6		mg/Kg	4		6010B	Total/NA
Mercury	0.15		0.0095		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA45-G48-7.5

Lab Sample ID: 720-42932-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.1		4.0		mg/Kg	4		6010B	Total/NA
Barium	180		2.0		mg/Kg	4		6010B	Total/NA
Chromium	69		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	15		0.80		mg/Kg	4		6010B	Total/NA
Copper	31		6.0		mg/Kg	4		6010B	Total/NA
Lead	8.0		2.0		mg/Kg	4		6010B	Total/NA
Nickel	110		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	31		2.0		mg/Kg	4		6010B	Total/NA
Zinc	55		6.0		mg/Kg	4		6010B	Total/NA
Mercury	0.12		0.0087		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA37-G43-5.0

Lab Sample ID: 720-42932-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.2		0.99		mg/Kg	1		8015B	Total/NA
Arsenic	5.4		4.0		mg/Kg	4		6010B	Total/NA
Barium	150		2.0		mg/Kg	4		6010B	Total/NA
Chromium	59		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	14		0.80		mg/Kg	4		6010B	Total/NA
Copper	28		6.0		mg/Kg	4		6010B	Total/NA
Lead	7.3		2.0		mg/Kg	4		6010B	Total/NA
Nickel	91		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	30		2.0		mg/Kg	4		6010B	Total/NA
Zinc	52		6.0		mg/Kg	4		6010B	Total/NA
Mercury	0.11		0.0097		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA32-G39-2.0

Lab Sample ID: 720-42932-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.2		2.5		mg/Kg	2.5		6010B	Total/NA
Barium	150		2.0		mg/Kg	4		6010B	Total/NA
Chromium	56		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	16		0.80		mg/Kg	4		6010B	Total/NA

Detection Summary

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA32-G39-2.0 (Continued)

Lab Sample ID: 720-42932-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	31		6.0		mg/Kg	4		6010B	Total/NA
Lead	7.7		2.0		mg/Kg	4		6010B	Total/NA
Nickel	92		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	28		2.0		mg/Kg	4		6010B	Total/NA
Zinc	54		6.0		mg/Kg	4		6010B	Total/NA
Mercury	0.12		0.0087		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA12-G27-2.0

Lab Sample ID: 720-42932-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.0		4.0		mg/Kg	4		6010B	Total/NA
Barium	190		2.0		mg/Kg	4		6010B	Total/NA
Chromium	73		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	17		0.80		mg/Kg	4		6010B	Total/NA
Copper	35		6.0		mg/Kg	4		6010B	Total/NA
Lead	8.9		2.0		mg/Kg	4		6010B	Total/NA
Nickel	110		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	35		2.0		mg/Kg	4		6010B	Total/NA
Zinc	63		6.0		mg/Kg	4		6010B	Total/NA
Mercury	0.14		0.0094		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA14-G28-7.5

Lab Sample ID: 720-42932-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.3		4.0		mg/Kg	4		6010B	Total/NA
Barium	260		2.0		mg/Kg	4		6010B	Total/NA
Chromium	68		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	16		0.80		mg/Kg	4		6010B	Total/NA
Copper	32		6.0		mg/Kg	4		6010B	Total/NA
Lead	8.3		2.0		mg/Kg	4		6010B	Total/NA
Nickel	110		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	33		2.0		mg/Kg	4		6010B	Total/NA
Zinc	56		6.0		mg/Kg	4		6010B	Total/NA
Mercury	0.17		0.010		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA38-G43-7.5

Lab Sample ID: 720-42932-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.3		3.8		mg/Kg	4		6010B	Total/NA
Barium	210		1.9		mg/Kg	4		6010B	Total/NA
Chromium	69		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	16		0.77		mg/Kg	4		6010B	Total/NA
Copper	33		5.8		mg/Kg	4		6010B	Total/NA
Lead	9.0		1.9		mg/Kg	4		6010B	Total/NA
Nickel	98		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	34		1.9		mg/Kg	4		6010B	Total/NA
Zinc	61		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.087		0.0095		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA39-G44-2.0

Lab Sample ID: 720-42932-12

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	Total/NA

Detection Summary

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA39-G44-2.0 (Continued)

Lab Sample ID: 720-42932-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.2		3.9		mg/Kg	4		6010B	Total/NA
Barium	190		1.9		mg/Kg	4		6010B	Total/NA
Chromium	65		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	15		0.78		mg/Kg	4		6010B	Total/NA
Copper	29		5.8		mg/Kg	4		6010B	Total/NA
Lead	7.6		1.9		mg/Kg	4		6010B	Total/NA
Nickel	100		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	32		1.9		mg/Kg	4		6010B	Total/NA
Zinc	55		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.11		0.0094		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA40-G44-5.0

Lab Sample ID: 720-42932-13

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	Total/NA
Arsenic	5.7		3.8		mg/Kg	4		6010B	Total/NA
Barium	240		1.9		mg/Kg	4		6010B	Total/NA
Chromium	68		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	15		0.76		mg/Kg	4		6010B	Total/NA
Copper	31		5.7		mg/Kg	4		6010B	Total/NA
Lead	8.0		1.9		mg/Kg	4		6010B	Total/NA
Nickel	100		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	34		1.9		mg/Kg	4		6010B	Total/NA
Zinc	57		5.7		mg/Kg	4		6010B	Total/NA
Mercury	0.085		0.0092		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA42-G46-2.0

Lab Sample ID: 720-42932-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.4		4.0		mg/Kg	4		6010B	Total/NA
Barium	160		2.0		mg/Kg	4		6010B	Total/NA
Chromium	75		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	15		0.79		mg/Kg	4		6010B	Total/NA
Copper	31		5.9		mg/Kg	4		6010B	Total/NA
Lead	8.4		2.0		mg/Kg	4		6010B	Total/NA
Nickel	100		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	37		2.0		mg/Kg	4		6010B	Total/NA
Zinc	62		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.11		0.0091		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA43-G46-5.0

Lab Sample ID: 720-42932-15

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	Total/NA
Arsenic	6.9		4.0		mg/Kg	4		6010B	Total/NA
Barium	230		2.0		mg/Kg	4		6010B	Total/NA
Chromium	89		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	17		0.79		mg/Kg	4		6010B	Total/NA
Copper	39		5.9		mg/Kg	4		6010B	Total/NA
Lead	9.1		2.0		mg/Kg	4		6010B	Total/NA
Nickel	140		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	42		2.0		mg/Kg	4		6010B	Total/NA
Zinc	64		5.9		mg/Kg	4		6010B	Total/NA

Detection Summary

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA43-G46-5.0 (Continued)

Lab Sample ID: 720-42932-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.088		0.010		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA44-G47-2.0

Lab Sample ID: 720-42932-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	6.5		1.0		mg/Kg	1		8015B	Total/NA
Motor Oil Range Organics [C24-C36]	56		50		mg/Kg	1		8015B	Total/NA
Arsenic	6.5		3.9		mg/Kg	4		6010B	Total/NA
Barium	160		2.0		mg/Kg	4		6010B	Total/NA
Chromium	80		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	15		0.78		mg/Kg	4		6010B	Total/NA
Copper	32		5.9		mg/Kg	4		6010B	Total/NA
Lead	8.2		2.0		mg/Kg	4		6010B	Total/NA
Nickel	110		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	39		2.0		mg/Kg	4		6010B	Total/NA
Zinc	60		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.059		0.0090		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA41-G45-7.5

Lab Sample ID: 720-42932-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.3		0.98		mg/Kg	1		8015B	Total/NA
Arsenic	7.0		4.0		mg/Kg	4		6010B	Total/NA
Barium	220		2.0		mg/Kg	4		6010B	Total/NA
Chromium	76		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	21		0.79		mg/Kg	4		6010B	Total/NA
Copper	36		5.9		mg/Kg	4		6010B	Total/NA
Lead	9.7		2.0		mg/Kg	4		6010B	Total/NA
Nickel	120		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	40		2.0		mg/Kg	4		6010B	Total/NA
Zinc	60		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.081		0.0097		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA34-G41-5.0

Lab Sample ID: 720-42932-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.6		3.9		mg/Kg	4		6010B	Total/NA
Barium	190		1.9		mg/Kg	4		6010B	Total/NA
Chromium	71		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	15		0.78		mg/Kg	4		6010B	Total/NA
Copper	32		5.8		mg/Kg	4		6010B	Total/NA
Lead	7.3		1.9		mg/Kg	4		6010B	Total/NA
Nickel	140		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	35		1.9		mg/Kg	4		6010B	Total/NA
Zinc	55		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.12		0.0097		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA35-G41-7.5

Lab Sample ID: 720-42932-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.6		3.9		mg/Kg	4		6010B	Total/NA
Barium	160		1.9		mg/Kg	4		6010B	Total/NA
Chromium	68		1.9		mg/Kg	4		6010B	Total/NA

Detection Summary

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA35-G41-7.5 (Continued)

Lab Sample ID: 720-42932-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	14		0.78		mg/Kg	4		6010B	Total/NA
Copper	26		5.8		mg/Kg	4		6010B	Total/NA
Lead	5.9		1.9		mg/Kg	4		6010B	Total/NA
Nickel	130		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	28		1.9		mg/Kg	4		6010B	Total/NA
Zinc	47		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.073		0.0085		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA33-G40-5.0

Lab Sample ID: 720-42932-20

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	Total/NA
Arsenic	5.4		3.9		mg/Kg	4		6010B	Total/NA
Barium	150		2.0		mg/Kg	4		6010B	Total/NA
Chromium	73		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	15		0.78		mg/Kg	4		6010B	Total/NA
Copper	28		5.9		mg/Kg	4		6010B	Total/NA
Lead	6.4		2.0		mg/Kg	4		6010B	Total/NA
Nickel	130		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	31		2.0		mg/Kg	4		6010B	Total/NA
Zinc	50		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.088		0.0088		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA13-G27-7.5

Lab Sample ID: 720-42932-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.9		3.7		mg/Kg	4		6010B	Total/NA
Barium	250		1.9		mg/Kg	4		6010B	Total/NA
Chromium	67		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	17		0.75		mg/Kg	4		6010B	Total/NA
Copper	31		5.6		mg/Kg	4		6010B	Total/NA
Lead	8.1		1.9		mg/Kg	4		6010B	Total/NA
Nickel	120		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	33		1.9		mg/Kg	4		6010B	Total/NA
Zinc	53		5.6		mg/Kg	4		6010B	Total/NA
Mercury	0.13		0.0091		mg/Kg	1		7471A	Total/NA

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA50-G55-7.5

Lab Sample ID: 720-42932-1

Date Collected: 06/25/12 11:20

Matrix: Solid

Date Received: 06/25/12 18:25

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		06/27/12 07:30	06/27/12 12:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		45 - 131				06/27/12 07:30	06/27/12 12:24	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 140				06/27/12 07:30	06/27/12 12:24	1
Toluene-d8 (Surr)	97		58 - 140				06/27/12 07:30	06/27/12 12:24	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:25	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA50-G55-7.5

Lab Sample ID: 720-42932-1

Date Collected: 06/25/12 11:20

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	63		21 - 98	06/27/12 09:15	06/27/12 19:25	1
2-Fluorobiphenyl	67		30 - 112	06/27/12 09:15	06/27/12 19:25	1
Terphenyl-d14	76		32 - 117	06/27/12 09:15	06/27/12 19:25	1
2-Fluorophenol	63		28 - 98	06/27/12 09:15	06/27/12 19:25	1
Phenol-d5	61		23 - 101	06/27/12 09:15	06/27/12 19:25	1
2,4,6-Tribromophenol	68		37 - 114	06/27/12 09:15	06/27/12 19:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.9		0.99		mg/Kg		06/27/12 09:08	06/29/12 19:58	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		06/27/12 09:08	06/29/12 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	83		40 - 130	06/27/12 09:08	06/29/12 19:58	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:27	4
Arsenic	5.3		3.7		mg/Kg		06/27/12 21:00	06/28/12 20:27	4
Barium	190		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:27	4
Beryllium	ND		0.37		mg/Kg		06/27/12 21:00	06/28/12 20:27	4
Cadmium	ND		0.47		mg/Kg		06/27/12 21:00	06/28/12 20:27	4
Chromium	60		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:27	4
Cobalt	14		0.75		mg/Kg		06/27/12 21:00	06/28/12 20:27	4
Copper	28		5.6		mg/Kg		06/27/12 21:00	06/28/12 20:27	4
Lead	7.5		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:27	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA50-G55-7.5

Lab Sample ID: 720-42932-1

Date Collected: 06/25/12 11:20

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:27	4
Nickel	88		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:27	4
Selenium	ND		3.7		mg/Kg		06/27/12 21:00	06/28/12 20:27	4
Silver	ND		0.93		mg/Kg		06/27/12 21:00	06/28/12 20:27	4
Thallium	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:27	4
Vanadium	31		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:27	4
Zinc	51		5.6		mg/Kg		06/27/12 21:00	06/28/12 20:27	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.056		0.0083		mg/Kg		06/28/12 21:20	06/29/12 20:20	1



Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA48-G52-2.0

Lab Sample ID: 720-42932-2

Date Collected: 06/25/12 11:35

Matrix: Solid

Date Received: 06/25/12 18:25

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		06/27/12 07:30	06/27/12 13:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		45 - 131				06/27/12 07:30	06/27/12 13:51	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 140				06/27/12 07:30	06/27/12 13:51	1
Toluene-d8 (Surr)	95		58 - 140				06/27/12 07:30	06/27/12 13:51	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:49	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA48-G52-2.0

Lab Sample ID: 720-42932-2

Date Collected: 06/25/12 11:35

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	55		21 - 98	06/27/12 09:15	06/27/12 19:49	1
2-Fluorobiphenyl	60		30 - 112	06/27/12 09:15	06/27/12 19:49	1
Terphenyl-d14	66		32 - 117	06/27/12 09:15	06/27/12 19:49	1
2-Fluorophenol	53		28 - 98	06/27/12 09:15	06/27/12 19:49	1
Phenol-d5	54		23 - 101	06/27/12 09:15	06/27/12 19:49	1
2,4,6-Tribromophenol	56		37 - 114	06/27/12 09:15	06/27/12 19:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.1		1.0		mg/Kg		06/27/12 09:08	06/29/12 20:22	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 09:08	06/29/12 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	81		40 - 130	06/27/12 09:08	06/29/12 20:22	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:32	4
Arsenic	5.6		3.7		mg/Kg		06/27/12 21:00	06/28/12 20:32	4
Barium	190		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:32	4
Beryllium	ND		0.37		mg/Kg		06/27/12 21:00	06/28/12 20:32	4
Cadmium	ND		0.47		mg/Kg		06/27/12 21:00	06/28/12 20:32	4
Chromium	65		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:32	4
Cobalt	15		0.75		mg/Kg		06/27/12 21:00	06/28/12 20:32	4
Copper	30		5.6		mg/Kg		06/27/12 21:00	06/28/12 20:32	4
Lead	7.9		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:32	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA48-G52-2.0

Lab Sample ID: 720-42932-2

Date Collected: 06/25/12 11:35

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:32	4
Nickel	110		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:32	4
Selenium	ND		3.7		mg/Kg		06/27/12 21:00	06/28/12 20:32	4
Silver	ND		0.93		mg/Kg		06/27/12 21:00	06/28/12 20:32	4
Thallium	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:32	4
Vanadium	31		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:32	4
Zinc	53		5.6		mg/Kg		06/27/12 21:00	06/28/12 20:32	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.46		0.0091		mg/Kg		06/28/12 21:20	06/29/12 19:23	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA49-G52-7.5

Lab Sample ID: 720-42932-3

Date Collected: 06/25/12 11:45

Matrix: Solid

Date Received: 06/25/12 18:25

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		06/27/12 07:30	06/27/12 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		45 - 131				06/27/12 07:30	06/27/12 14:20	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 140				06/27/12 07:30	06/27/12 14:20	1
Toluene-d8 (Surr)	95		58 - 140				06/27/12 07:30	06/27/12 14:20	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:00	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA49-G52-7.5

Lab Sample ID: 720-42932-3

Date Collected: 06/25/12 11:45

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	63		21 - 98	06/27/12 09:15	06/27/12 21:00	1
2-Fluorobiphenyl	68		30 - 112	06/27/12 09:15	06/27/12 21:00	1
Terphenyl-d14	70		32 - 117	06/27/12 09:15	06/27/12 21:00	1
2-Fluorophenol	60		28 - 98	06/27/12 09:15	06/27/12 21:00	1
Phenol-d5	61		23 - 101	06/27/12 09:15	06/27/12 21:00	1
2,4,6-Tribromophenol	62		37 - 114	06/27/12 09:15	06/27/12 21:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		06/27/12 09:08	06/29/12 20:46	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 09:08	06/29/12 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	82		40 - 130	06/27/12 09:08	06/29/12 20:46	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:36	4
Arsenic	6.1		3.9		mg/Kg		06/27/12 21:00	06/28/12 20:36	4
Barium	200		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:36	4
Beryllium	ND		0.39		mg/Kg		06/27/12 21:00	06/28/12 20:36	4
Cadmium	ND		0.49		mg/Kg		06/27/12 21:00	06/28/12 20:36	4
Chromium	68		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:36	4
Cobalt	16		0.78		mg/Kg		06/27/12 21:00	06/28/12 20:36	4
Copper	32		5.8		mg/Kg		06/27/12 21:00	06/28/12 20:36	4
Lead	8.2		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:36	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA49-G52-7.5

Lab Sample ID: 720-42932-3

Date Collected: 06/25/12 11:45

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:36	4
Nickel	110		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:36	4
Selenium	ND		3.9		mg/Kg		06/27/12 21:00	06/28/12 20:36	4
Silver	ND		0.97		mg/Kg		06/27/12 21:00	06/28/12 20:36	4
Thallium	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:36	4
Vanadium	33		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:36	4
Zinc	58		5.8		mg/Kg		06/27/12 21:00	06/28/12 20:36	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.17		0.0088		mg/Kg		06/28/12 21:20	06/29/12 19:26	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA46-G50-2.0

Lab Sample ID: 720-42932-4

Date Collected: 06/25/12 12:00

Matrix: Solid

Date Received: 06/25/12 18:25

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		06/27/12 07:30	06/27/12 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		45 - 131				06/27/12 07:30	06/27/12 14:49	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 140				06/27/12 07:30	06/27/12 14:49	1
Toluene-d8 (Surr)	98		58 - 140				06/27/12 07:30	06/27/12 14:49	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:24	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA46-G50-2.0

Lab Sample ID: 720-42932-4

Date Collected: 06/25/12 12:00

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	68		21 - 98	06/27/12 09:15	06/27/12 21:24	1
2-Fluorobiphenyl	74		30 - 112	06/27/12 09:15	06/27/12 21:24	1
Terphenyl-d14	77		32 - 117	06/27/12 09:15	06/27/12 21:24	1
2-Fluorophenol	70		28 - 98	06/27/12 09:15	06/27/12 21:24	1
Phenol-d5	68		23 - 101	06/27/12 09:15	06/27/12 21:24	1
2,4,6-Tribromophenol	70		37 - 114	06/27/12 09:15	06/27/12 21:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		06/27/12 09:08	06/29/12 21:11	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 09:08	06/29/12 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	94		40 - 130	06/27/12 09:08	06/29/12 21:11	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		06/27/12 11:16	06/29/12 03:37	1
PCB-1221	ND		50		ug/Kg		06/27/12 11:16	06/29/12 03:37	1
PCB-1232	ND		50		ug/Kg		06/27/12 11:16	06/29/12 03:37	1
PCB-1242	ND		50		ug/Kg		06/27/12 11:16	06/29/12 03:37	1
PCB-1248	ND		50		ug/Kg		06/27/12 11:16	06/29/12 03:37	1
PCB-1254	ND		50		ug/Kg		06/27/12 11:16	06/29/12 03:37	1
PCB-1260	ND		50		ug/Kg		06/27/12 11:16	06/29/12 03:37	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA46-G50-2.0

Lab Sample ID: 720-42932-4

Date Collected: 06/25/12 12:00

Matrix: Solid

Date Received: 06/25/12 18:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	85		32 - 112	06/27/12 11:16	06/29/12 03:37	1
DCB Decachlorobiphenyl	97		2 - 122	06/27/12 11:16	06/29/12 03:37	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:40	4
Arsenic	4.6		3.8		mg/Kg		06/27/12 21:00	06/28/12 20:40	4
Barium	140		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:40	4
Beryllium	ND		0.38		mg/Kg		06/27/12 21:00	06/28/12 20:40	4
Cadmium	ND		0.48		mg/Kg		06/27/12 21:00	06/28/12 20:40	4
Chromium	90		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:40	4
Cobalt	14		0.76		mg/Kg		06/27/12 21:00	06/28/12 20:40	4
Copper	26		5.7		mg/Kg		06/27/12 21:00	06/28/12 20:40	4
Lead	6.0		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:40	4
Molybdenum	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:40	4
Nickel	130		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:40	4
Selenium	ND		3.8		mg/Kg		06/27/12 21:00	06/28/12 20:40	4
Silver	ND		0.95		mg/Kg		06/27/12 21:00	06/28/12 20:40	4
Thallium	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:40	4
Vanadium	27		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:40	4
Zinc	45		5.7		mg/Kg		06/27/12 21:00	06/28/12 20:40	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.22		0.0098		mg/Kg		06/28/12 21:20	06/29/12 19:34	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA47-G50-7.5

Lab Sample ID: 720-42932-5

Date Collected: 06/25/12 12:05

Matrix: Solid

Date Received: 06/25/12 18:25

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		06/27/12 07:30	06/27/12 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		45 - 131				06/27/12 07:30	06/27/12 15:18	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 140				06/27/12 07:30	06/27/12 15:18	1
Toluene-d8 (Surr)	96		58 - 140				06/27/12 07:30	06/27/12 15:18	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:48	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA47-G50-7.5

Lab Sample ID: 720-42932-5

Date Collected: 06/25/12 12:05

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 21:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	66		21 - 98	06/27/12 09:15	06/27/12 21:48	1
2-Fluorobiphenyl	70		30 - 112	06/27/12 09:15	06/27/12 21:48	1
Terphenyl-d14	72		32 - 117	06/27/12 09:15	06/27/12 21:48	1
2-Fluorophenol	65		28 - 98	06/27/12 09:15	06/27/12 21:48	1
Phenol-d5	66		23 - 101	06/27/12 09:15	06/27/12 21:48	1
2,4,6-Tribromophenol	66		37 - 114	06/27/12 09:15	06/27/12 21:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6.4		1.0		mg/Kg		06/27/12 09:08	06/29/12 21:35	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 09:08	06/29/12 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	94		40 - 130	06/27/12 09:08	06/29/12 21:35	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:45	4
Arsenic	6.3		3.7		mg/Kg		06/27/12 21:00	06/28/12 20:45	4
Barium	180		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:45	4
Beryllium	ND		0.37		mg/Kg		06/27/12 21:00	06/28/12 20:45	4
Cadmium	ND		0.47		mg/Kg		06/27/12 21:00	06/28/12 20:45	4
Chromium	68		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:45	4
Cobalt	15		0.75		mg/Kg		06/27/12 21:00	06/28/12 20:45	4
Copper	33		5.6		mg/Kg		06/27/12 21:00	06/28/12 20:45	4
Lead	8.9		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:45	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA47-G50-7.5

Lab Sample ID: 720-42932-5

Date Collected: 06/25/12 12:05

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:45	4
Nickel	99		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:45	4
Selenium	ND		3.7		mg/Kg		06/27/12 21:00	06/28/12 20:45	4
Silver	ND		0.93		mg/Kg		06/27/12 21:00	06/28/12 20:45	4
Thallium	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:45	4
Vanadium	34		1.9		mg/Kg		06/27/12 21:00	06/28/12 20:45	4
Zinc	60		5.6		mg/Kg		06/27/12 21:00	06/28/12 20:45	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.15		0.0095		mg/Kg		06/28/12 21:20	06/29/12 19:36	1



Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA45-G48-7.5

Lab Sample ID: 720-42932-6

Date Collected: 06/25/12 12:25

Matrix: Solid

Date Received: 06/25/12 18:25

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		240		ug/Kg		06/27/12 07:30	06/27/12 15:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	80		45 - 131				06/27/12 07:30	06/27/12 15:47	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 140				06/27/12 07:30	06/27/12 15:47	1
Toluene-d8 (Surr)	95		58 - 140				06/27/12 07:30	06/27/12 15:47	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
2-Chlorophenol	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
2-Methylphenol	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Hexachloroethane	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Nitrobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Isophorone	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
2-Nitrophenol	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Naphthalene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Acenaphthylene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Acenaphthene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Dibenzofuran	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Fluorene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:12	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA45-G48-7.5

Lab Sample ID: 720-42932-6

Date Collected: 06/25/12 12:25

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Phenanthrene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Anthracene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Fluoranthene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Pyrene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Chrysene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Azobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 22:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	62		21 - 98	06/27/12 09:15	06/27/12 22:12	1
2-Fluorobiphenyl	66		30 - 112	06/27/12 09:15	06/27/12 22:12	1
Terphenyl-d14	70		32 - 117	06/27/12 09:15	06/27/12 22:12	1
2-Fluorophenol	61		28 - 98	06/27/12 09:15	06/27/12 22:12	1
Phenol-d5	60		23 - 101	06/27/12 09:15	06/27/12 22:12	1
2,4,6-Tribromophenol	62		37 - 114	06/27/12 09:15	06/27/12 22:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		06/27/12 09:08	06/29/12 22:00	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 09:08	06/29/12 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	86		40 - 130	06/27/12 09:08	06/29/12 22:00	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		06/27/12 21:00	06/28/12 20:49	4
Arsenic	6.1		4.0		mg/Kg		06/27/12 21:00	06/28/12 20:49	4
Barium	180		2.0		mg/Kg		06/27/12 21:00	06/28/12 20:49	4
Beryllium	ND		0.40		mg/Kg		06/27/12 21:00	06/28/12 20:49	4
Cadmium	ND		0.50		mg/Kg		06/27/12 21:00	06/28/12 20:49	4
Chromium	69		2.0		mg/Kg		06/27/12 21:00	06/28/12 20:49	4
Cobalt	15		0.80		mg/Kg		06/27/12 21:00	06/28/12 20:49	4
Copper	31		6.0		mg/Kg		06/27/12 21:00	06/28/12 20:49	4
Lead	8.0		2.0		mg/Kg		06/27/12 21:00	06/28/12 20:49	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA45-G48-7.5

Lab Sample ID: 720-42932-6

Date Collected: 06/25/12 12:25

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		06/27/12 21:00	06/28/12 20:49	4
Nickel	110		2.0		mg/Kg		06/27/12 21:00	06/28/12 20:49	4
Selenium	ND		4.0		mg/Kg		06/27/12 21:00	06/28/12 20:49	4
Silver	ND		1.0		mg/Kg		06/27/12 21:00	06/28/12 20:49	4
Thallium	ND		2.0		mg/Kg		06/27/12 21:00	06/28/12 20:49	4
Vanadium	31		2.0		mg/Kg		06/27/12 21:00	06/28/12 20:49	4
Zinc	55		6.0		mg/Kg		06/27/12 21:00	06/28/12 20:49	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.0087		mg/Kg		06/28/12 21:20	06/29/12 19:38	1



Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA37-G43-5.0

Lab Sample ID: 720-42932-7

Date Collected: 06/25/12 13:30

Matrix: Solid

Date Received: 06/25/12 18:25

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		06/27/12 07:30	06/27/12 16:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	81		45 - 131				06/27/12 07:30	06/27/12 16:17	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 140				06/27/12 07:30	06/27/12 16:17	1
Toluene-d8 (Surr)	94		58 - 140				06/27/12 07:30	06/27/12 16:17	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:36	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA37-G43-5.0

Lab Sample ID: 720-42932-7

Date Collected: 06/25/12 13:30

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 22:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		21 - 98	06/27/12 09:15	06/27/12 22:36	1
2-Fluorobiphenyl	70		30 - 112	06/27/12 09:15	06/27/12 22:36	1
Terphenyl-d14	72		32 - 117	06/27/12 09:15	06/27/12 22:36	1
2-Fluorophenol	66		28 - 98	06/27/12 09:15	06/27/12 22:36	1
Phenol-d5	64		23 - 101	06/27/12 09:15	06/27/12 22:36	1
2,4,6-Tribromophenol	64		37 - 114	06/27/12 09:15	06/27/12 22:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.2		0.99		mg/Kg		06/27/12 09:08	06/29/12 22:24	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		06/27/12 09:08	06/29/12 22:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	92		40 - 130	06/27/12 09:08	06/29/12 22:24	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		06/27/12 21:00	06/28/12 20:53	4
Arsenic	5.4		4.0		mg/Kg		06/27/12 21:00	06/28/12 20:53	4
Barium	150		2.0		mg/Kg		06/27/12 21:00	06/28/12 20:53	4
Beryllium	ND		0.40		mg/Kg		06/27/12 21:00	06/28/12 20:53	4
Cadmium	ND		0.50		mg/Kg		06/27/12 21:00	06/28/12 20:53	4
Chromium	59		2.0		mg/Kg		06/27/12 21:00	06/28/12 20:53	4
Cobalt	14		0.80		mg/Kg		06/27/12 21:00	06/28/12 20:53	4
Copper	28		6.0		mg/Kg		06/27/12 21:00	06/28/12 20:53	4
Lead	7.3		2.0		mg/Kg		06/27/12 21:00	06/28/12 20:53	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA37-G43-5.0

Lab Sample ID: 720-42932-7

Date Collected: 06/25/12 13:30

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		06/27/12 21:00	06/28/12 20:53	4
Nickel	91		2.0		mg/Kg		06/27/12 21:00	06/28/12 20:53	4
Selenium	ND		4.0		mg/Kg		06/27/12 21:00	06/28/12 20:53	4
Silver	ND		1.0		mg/Kg		06/27/12 21:00	06/28/12 20:53	4
Thallium	ND		2.0		mg/Kg		06/27/12 21:00	06/28/12 20:53	4
Vanadium	30		2.0		mg/Kg		06/27/12 21:00	06/28/12 20:53	4
Zinc	52		6.0		mg/Kg		06/27/12 21:00	06/28/12 20:53	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.0097		mg/Kg		06/28/12 21:20	06/29/12 19:40	1



Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA32-G39-2.0

Lab Sample ID: 720-42932-8

Date Collected: 06/25/12 15:06

Matrix: Solid

Date Received: 06/25/12 18:25

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		240		ug/Kg		06/27/12 07:30	06/27/12 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	81		45 - 131				06/27/12 07:30	06/27/12 16:46	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140				06/27/12 07:30	06/27/12 16:46	1
Toluene-d8 (Surr)	95		58 - 140				06/27/12 07:30	06/27/12 16:46	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
2-Chlorophenol	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
2-Methylphenol	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Hexachloroethane	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Nitrobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Isophorone	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
2-Nitrophenol	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Naphthalene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Acenaphthylene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Acenaphthene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Dibenzofuran	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Fluorene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/29/12 14:15	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA32-G39-2.0

Lab Sample ID: 720-42932-8

Date Collected: 06/25/12 15:06

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Phenanthrene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Anthracene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Fluoranthene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Pyrene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Chrysene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Azobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/27/12 09:15	06/29/12 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	56		21 - 98	06/27/12 09:15	06/29/12 14:15	1
2-Fluorobiphenyl	62		30 - 112	06/27/12 09:15	06/29/12 14:15	1
Terphenyl-d14	63		32 - 117	06/27/12 09:15	06/29/12 14:15	1
2-Fluorophenol	54		28 - 98	06/27/12 09:15	06/29/12 14:15	1
Phenol-d5	54		23 - 101	06/27/12 09:15	06/29/12 14:15	1
2,4,6-Tribromophenol	53		37 - 114	06/27/12 09:15	06/29/12 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		06/27/12 09:08	06/29/12 22:48	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 09:08	06/29/12 22:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	87		40 - 130	06/27/12 09:08	06/29/12 22:48	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:07	4
Arsenic	6.2		2.5		mg/Kg		06/27/12 21:00	07/03/12 11:38	2.5
Barium	150		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:07	4
Beryllium	ND		0.40		mg/Kg		06/27/12 21:00	06/28/12 21:07	4
Cadmium	ND		0.50		mg/Kg		06/27/12 21:00	06/28/12 21:07	4
Chromium	56		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:07	4
Cobalt	16		0.80		mg/Kg		06/27/12 21:00	06/28/12 21:07	4
Copper	31		6.0		mg/Kg		06/27/12 21:00	06/28/12 21:07	4
Lead	7.7		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:07	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA32-G39-2.0

Lab Sample ID: 720-42932-8

Date Collected: 06/25/12 15:06

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:07	4
Nickel	92		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:07	4
Selenium	ND		4.0		mg/Kg		06/27/12 21:00	06/28/12 21:07	4
Silver	ND		1.0		mg/Kg		06/27/12 21:00	06/28/12 21:07	4
Thallium	ND		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:07	4
Vanadium	28		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:07	4
Zinc	54		6.0		mg/Kg		06/27/12 21:00	06/28/12 21:07	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.0087		mg/Kg		06/28/12 21:20	06/29/12 19:43	1



Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA12-G27-2.0

Lab Sample ID: 720-42932-9

Date Collected: 06/25/12 15:20

Matrix: Solid

Date Received: 06/25/12 18:25

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		06/27/12 07:30	06/27/12 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	80		45 - 131				06/27/12 07:30	06/27/12 17:15	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140				06/27/12 07:30	06/27/12 17:15	1
Toluene-d8 (Surr)	95		58 - 140				06/27/12 07:30	06/27/12 17:15	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
2-Chlorophenol	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
2-Methylphenol	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Hexachloroethane	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Nitrobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Isophorone	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
2-Nitrophenol	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Naphthalene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Acenaphthylene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Acenaphthene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Dibenzofuran	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Fluorene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:00	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA12-G27-2.0

Lab Sample ID: 720-42932-9

Date Collected: 06/25/12 15:20

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Phenanthrene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Anthracene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Fluoranthene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Pyrene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Chrysene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Azobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/27/12 09:15	06/27/12 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	61		21 - 98	06/27/12 09:15	06/27/12 23:00	1
2-Fluorobiphenyl	66		30 - 112	06/27/12 09:15	06/27/12 23:00	1
Terphenyl-d14	70		32 - 117	06/27/12 09:15	06/27/12 23:00	1
2-Fluorophenol	60		28 - 98	06/27/12 09:15	06/27/12 23:00	1
Phenol-d5	59		23 - 101	06/27/12 09:15	06/27/12 23:00	1
2,4,6-Tribromophenol	62		37 - 114	06/27/12 09:15	06/27/12 23:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		06/27/12 09:08	06/29/12 23:13	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 09:08	06/29/12 23:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	94		40 - 130	06/27/12 09:08	06/29/12 23:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:11	4
Arsenic	7.0		4.0		mg/Kg		06/27/12 21:00	06/28/12 21:11	4
Barium	190		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:11	4
Beryllium	ND		0.40		mg/Kg		06/27/12 21:00	06/28/12 21:11	4
Cadmium	ND		0.50		mg/Kg		06/27/12 21:00	06/28/12 21:11	4
Chromium	73		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:11	4
Cobalt	17		0.80		mg/Kg		06/27/12 21:00	06/28/12 21:11	4
Copper	35		6.0		mg/Kg		06/27/12 21:00	06/28/12 21:11	4
Lead	8.9		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:11	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA12-G27-2.0

Lab Sample ID: 720-42932-9

Date Collected: 06/25/12 15:20

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:11	4
Nickel	110		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:11	4
Selenium	ND		4.0		mg/Kg		06/27/12 21:00	06/28/12 21:11	4
Silver	ND		1.0		mg/Kg		06/27/12 21:00	06/28/12 21:11	4
Thallium	ND		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:11	4
Vanadium	35		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:11	4
Zinc	63		6.0		mg/Kg		06/27/12 21:00	06/28/12 21:11	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.14		0.0094		mg/Kg		06/28/12 21:20	06/29/12 19:45	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA14-G28-7.5

Lab Sample ID: 720-42932-10

Date Collected: 06/25/12 15:40

Matrix: Solid

Date Received: 06/25/12 18:25

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		06/27/12 07:30	06/27/12 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	83		45 - 131				06/27/12 07:30	06/27/12 17:44	1
1,2-Dichloroethane-d4 (Surr)	103		60 - 140				06/27/12 07:30	06/27/12 17:44	1
Toluene-d8 (Surr)	96		58 - 140				06/27/12 07:30	06/27/12 17:44	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:24	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA14-G28-7.5

Lab Sample ID: 720-42932-10

Date Collected: 06/25/12 15:40

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	59		21 - 98	06/27/12 09:15	06/27/12 23:24	1
2-Fluorobiphenyl	59		30 - 112	06/27/12 09:15	06/27/12 23:24	1
Terphenyl-d14	59		32 - 117	06/27/12 09:15	06/27/12 23:24	1
2-Fluorophenol	55		28 - 98	06/27/12 09:15	06/27/12 23:24	1
Phenol-d5	56		23 - 101	06/27/12 09:15	06/27/12 23:24	1
2,4,6-Tribromophenol	52		37 - 114	06/27/12 09:15	06/27/12 23:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		06/27/12 09:08	06/29/12 23:37	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 09:08	06/29/12 23:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	92		40 - 130	06/27/12 09:08	06/29/12 23:37	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:15	4
Arsenic	6.3		4.0		mg/Kg		06/27/12 21:00	06/28/12 21:15	4
Barium	260		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:15	4
Beryllium	ND		0.40		mg/Kg		06/27/12 21:00	06/28/12 21:15	4
Cadmium	ND		0.50		mg/Kg		06/27/12 21:00	06/28/12 21:15	4
Chromium	68		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:15	4
Cobalt	16		0.80		mg/Kg		06/27/12 21:00	06/28/12 21:15	4
Copper	32		6.0		mg/Kg		06/27/12 21:00	06/28/12 21:15	4
Lead	8.3		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:15	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA14-G28-7.5

Lab Sample ID: 720-42932-10

Date Collected: 06/25/12 15:40

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:15	4
Nickel	110		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:15	4
Selenium	ND		4.0		mg/Kg		06/27/12 21:00	06/28/12 21:15	4
Silver	ND		1.0		mg/Kg		06/27/12 21:00	06/28/12 21:15	4
Thallium	ND		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:15	4
Vanadium	33		2.0		mg/Kg		06/27/12 21:00	06/28/12 21:15	4
Zinc	56		6.0		mg/Kg		06/27/12 21:00	06/28/12 21:15	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.17		0.010		mg/Kg		06/28/12 21:20	06/29/12 19:47	1



Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA38-G43-7.5

Lab Sample ID: 720-42932-11

Date Collected: 06/25/12 13:35

Matrix: Solid

Date Received: 06/25/12 18:25

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		06/27/12 16:00	06/27/12 20:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		45 - 131				06/27/12 16:00	06/27/12 20:59	1
1,2-Dichloroethane-d4 (Surr)	113		60 - 140				06/27/12 16:00	06/27/12 20:59	1
Toluene-d8 (Surr)	101		58 - 140				06/27/12 16:00	06/27/12 20:59	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:48	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA38-G43-7.5

Lab Sample ID: 720-42932-11

Date Collected: 06/25/12 13:35

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	48		21 - 98	06/27/12 09:15	06/27/12 23:48	1
2-Fluorobiphenyl	50		30 - 112	06/27/12 09:15	06/27/12 23:48	1
Terphenyl-d14	56		32 - 117	06/27/12 09:15	06/27/12 23:48	1
2-Fluorophenol	46		28 - 98	06/27/12 09:15	06/27/12 23:48	1
Phenol-d5	46		23 - 101	06/27/12 09:15	06/27/12 23:48	1
2,4,6-Tribromophenol	48		37 - 114	06/27/12 09:15	06/27/12 23:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/27/12 09:08	06/30/12 00:01	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		06/27/12 09:08	06/30/12 00:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	84		40 - 130	06/27/12 09:08	06/30/12 00:01	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:20	4
Arsenic	6.3		3.8		mg/Kg		06/27/12 21:00	06/28/12 21:20	4
Barium	210		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:20	4
Beryllium	ND		0.38		mg/Kg		06/27/12 21:00	06/28/12 21:20	4
Cadmium	ND		0.48		mg/Kg		06/27/12 21:00	06/28/12 21:20	4
Chromium	69		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:20	4
Cobalt	16		0.77		mg/Kg		06/27/12 21:00	06/28/12 21:20	4
Copper	33		5.8		mg/Kg		06/27/12 21:00	06/28/12 21:20	4
Lead	9.0		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:20	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA38-G43-7.5

Lab Sample ID: 720-42932-11

Date Collected: 06/25/12 13:35

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:20	4
Nickel	98		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:20	4
Selenium	ND		3.8		mg/Kg		06/27/12 21:00	06/28/12 21:20	4
Silver	ND		0.96		mg/Kg		06/27/12 21:00	06/28/12 21:20	4
Thallium	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:20	4
Vanadium	34		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:20	4
Zinc	61		5.8		mg/Kg		06/27/12 21:00	06/28/12 21:20	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.087		0.0095		mg/Kg		06/28/12 21:20	06/29/12 19:49	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA39-G44-2.0

Lab Sample ID: 720-42932-12

Date Collected: 06/25/12 13:45

Matrix: Solid

Date Received: 06/25/12 18:25

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		06/27/12 16:00	06/27/12 21:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		45 - 131				06/27/12 16:00	06/27/12 21:28	1
1,2-Dichloroethane-d4 (Surr)	118		60 - 140				06/27/12 16:00	06/27/12 21:28	1
Toluene-d8 (Surr)	100		58 - 140				06/27/12 16:00	06/27/12 21:28	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:12	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA39-G44-2.0

Lab Sample ID: 720-42932-12

Date Collected: 06/25/12 13:45

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	68		21 - 98	06/27/12 09:15	06/28/12 00:12	1
2-Fluorobiphenyl	72		30 - 112	06/27/12 09:15	06/28/12 00:12	1
Terphenyl-d14	78		32 - 117	06/27/12 09:15	06/28/12 00:12	1
2-Fluorophenol	64		28 - 98	06/27/12 09:15	06/28/12 00:12	1
Phenol-d5	64		23 - 101	06/27/12 09:15	06/28/12 00:12	1
2,4,6-Tribromophenol	65		37 - 114	06/27/12 09:15	06/28/12 00:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.8		0.99		mg/Kg		06/27/12 09:08	06/30/12 00:26	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		06/27/12 09:08	06/30/12 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	81		40 - 130	06/27/12 09:08	06/30/12 00:26	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:24	4
Arsenic	6.2		3.9		mg/Kg		06/27/12 21:00	06/28/12 21:24	4
Barium	190		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:24	4
Beryllium	ND		0.39		mg/Kg		06/27/12 21:00	06/28/12 21:24	4
Cadmium	ND		0.49		mg/Kg		06/27/12 21:00	06/28/12 21:24	4
Chromium	65		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:24	4
Cobalt	15		0.78		mg/Kg		06/27/12 21:00	06/28/12 21:24	4
Copper	29		5.8		mg/Kg		06/27/12 21:00	06/28/12 21:24	4
Lead	7.6		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:24	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA39-G44-2.0

Lab Sample ID: 720-42932-12

Date Collected: 06/25/12 13:45

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:24	4
Nickel	100		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:24	4
Selenium	ND		3.9		mg/Kg		06/27/12 21:00	06/28/12 21:24	4
Silver	ND		0.97		mg/Kg		06/27/12 21:00	06/28/12 21:24	4
Thallium	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:24	4
Vanadium	32		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:24	4
Zinc	55		5.8		mg/Kg		06/27/12 21:00	06/28/12 21:24	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.0094		mg/Kg		06/28/12 21:20	06/29/12 19:51	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA40-G44-5.0

Lab Sample ID: 720-42932-13

Date Collected: 06/25/12 13:50

Matrix: Solid

Date Received: 06/25/12 18:25

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		06/27/12 16:00	06/27/12 21:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		45 - 131				06/27/12 16:00	06/27/12 21:57	1
1,2-Dichloroethane-d4 (Surr)	116		60 - 140				06/27/12 16:00	06/27/12 21:57	1
Toluene-d8 (Surr)	101		58 - 140				06/27/12 16:00	06/27/12 21:57	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:35	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA40-G44-5.0

Lab Sample ID: 720-42932-13

Date Collected: 06/25/12 13:50

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	62		21 - 98	06/27/12 09:15	06/28/12 00:35	1
2-Fluorobiphenyl	69		30 - 112	06/27/12 09:15	06/28/12 00:35	1
Terphenyl-d14	77		32 - 117	06/27/12 09:15	06/28/12 00:35	1
2-Fluorophenol	60		28 - 98	06/27/12 09:15	06/28/12 00:35	1
Phenol-d5	61		23 - 101	06/27/12 09:15	06/28/12 00:35	1
2,4,6-Tribromophenol	68		37 - 114	06/27/12 09:15	06/28/12 00:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.4		0.99		mg/Kg		06/27/12 09:08	06/30/12 00:50	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 09:08	06/30/12 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	79		40 - 130	06/27/12 09:08	06/30/12 00:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:28	4
Arsenic	5.7		3.8		mg/Kg		06/27/12 21:00	06/28/12 21:28	4
Barium	240		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:28	4
Beryllium	ND		0.38		mg/Kg		06/27/12 21:00	06/28/12 21:28	4
Cadmium	ND		0.48		mg/Kg		06/27/12 21:00	06/28/12 21:28	4
Chromium	68		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:28	4
Cobalt	15		0.76		mg/Kg		06/27/12 21:00	06/28/12 21:28	4
Copper	31		5.7		mg/Kg		06/27/12 21:00	06/28/12 21:28	4
Lead	8.0		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:28	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA40-G44-5.0

Lab Sample ID: 720-42932-13

Date Collected: 06/25/12 13:50

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:28	4
Nickel	100		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:28	4
Selenium	ND		3.8		mg/Kg		06/27/12 21:00	06/28/12 21:28	4
Silver	ND		0.95		mg/Kg		06/27/12 21:00	06/28/12 21:28	4
Thallium	ND		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:28	4
Vanadium	34		1.9		mg/Kg		06/27/12 21:00	06/28/12 21:28	4
Zinc	57		5.7		mg/Kg		06/27/12 21:00	06/28/12 21:28	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.085		0.0092		mg/Kg		06/28/12 21:20	06/29/12 19:54	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA42-G46-2.0

Lab Sample ID: 720-42932-14

Date Collected: 06/25/12 14:00

Matrix: Solid

Date Received: 06/25/12 18:25

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		240		ug/Kg		06/27/12 16:00	06/27/12 22:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		45 - 131				06/27/12 16:00	06/27/12 22:26	1
1,2-Dichloroethane-d4 (Surr)	116		60 - 140				06/27/12 16:00	06/27/12 22:26	1
Toluene-d8 (Surr)	100		58 - 140				06/27/12 16:00	06/27/12 22:26	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
2,4-Dichlorophenol	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
2-Nitroaniline	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
4-Nitrophenol	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
4-Nitroaniline	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 00:59	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA42-G46-2.0

Lab Sample ID: 720-42932-14

Date Collected: 06/25/12 14:00

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Pentachlorophenol	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Benzo[a]anthracene	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Bis(2-ethylhexyl) phthalate	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Benzoic acid	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	68		21 - 98	06/27/12 09:15	06/28/12 00:59	1
2-Fluorobiphenyl	75		30 - 112	06/27/12 09:15	06/28/12 00:59	1
Terphenyl-d14	81		32 - 117	06/27/12 09:15	06/28/12 00:59	1
2-Fluorophenol	69		28 - 98	06/27/12 09:15	06/28/12 00:59	1
Phenol-d5	67		23 - 101	06/27/12 09:15	06/28/12 00:59	1
2,4,6-Tribromophenol	71		37 - 114	06/27/12 09:15	06/28/12 00:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/27/12 09:08	06/30/12 01:15	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 09:08	06/30/12 01:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	82		40 - 130	06/27/12 09:08	06/30/12 01:15	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:38	4
Arsenic	6.4		4.0		mg/Kg		06/27/12 21:44	06/28/12 19:38	4
Barium	160		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:38	4
Beryllium	ND		0.40		mg/Kg		06/27/12 21:44	06/28/12 19:38	4
Cadmium	ND		0.50		mg/Kg		06/27/12 21:44	06/28/12 19:38	4
Chromium	75		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:38	4
Cobalt	15		0.79		mg/Kg		06/27/12 21:44	06/28/12 19:38	4
Copper	31		5.9		mg/Kg		06/27/12 21:44	06/28/12 19:38	4
Lead	8.4		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:38	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA42-G46-2.0

Lab Sample ID: 720-42932-14

Date Collected: 06/25/12 14:00

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:38	4
Nickel	100		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:38	4
Selenium	ND		4.0		mg/Kg		06/27/12 21:44	06/28/12 19:38	4
Silver	ND		0.99		mg/Kg		06/27/12 21:44	06/28/12 19:38	4
Thallium	ND		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:38	4
Vanadium	37		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:38	4
Zinc	62		5.9		mg/Kg		06/27/12 21:44	06/28/12 19:38	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.0091		mg/Kg		06/28/12 21:20	06/29/12 20:02	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA43-G46-5.0

Lab Sample ID: 720-42932-15

Date Collected: 06/25/12 14:10

Matrix: Solid

Date Received: 06/25/12 18:25

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		06/27/12 16:00	06/27/12 22:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		45 - 131				06/27/12 16:00	06/27/12 22:55	1
1,2-Dichloroethane-d4 (Surr)	116		60 - 140				06/27/12 16:00	06/27/12 22:55	1
Toluene-d8 (Surr)	100		58 - 140				06/27/12 16:00	06/27/12 22:55	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:23	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA43-G46-5.0

Lab Sample ID: 720-42932-15

Date Collected: 06/25/12 14:10

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	54		21 - 98	06/27/12 09:15	06/28/12 01:23	1
2-Fluorobiphenyl	60		30 - 112	06/27/12 09:15	06/28/12 01:23	1
Terphenyl-d14	68		32 - 117	06/27/12 09:15	06/28/12 01:23	1
2-Fluorophenol	54		28 - 98	06/27/12 09:15	06/28/12 01:23	1
Phenol-d5	54		23 - 101	06/27/12 09:15	06/28/12 01:23	1
2,4,6-Tribromophenol	61		37 - 114	06/27/12 09:15	06/28/12 01:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.4		0.99		mg/Kg		06/27/12 09:08	06/30/12 01:39	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		06/27/12 09:08	06/30/12 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	90		40 - 130	06/27/12 09:08	06/30/12 01:39	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:46	4
Arsenic	6.9		4.0		mg/Kg		06/27/12 21:44	06/28/12 19:46	4
Barium	230		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:46	4
Beryllium	ND		0.40		mg/Kg		06/27/12 21:44	06/28/12 19:46	4
Cadmium	ND		0.50		mg/Kg		06/27/12 21:44	06/28/12 19:46	4
Chromium	89		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:46	4
Cobalt	17		0.79		mg/Kg		06/27/12 21:44	06/28/12 19:46	4
Copper	39		5.9		mg/Kg		06/27/12 21:44	06/28/12 19:46	4
Lead	9.1		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:46	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA43-G46-5.0

Lab Sample ID: 720-42932-15

Date Collected: 06/25/12 14:10

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:46	4
Nickel	140		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:46	4
Selenium	ND		4.0		mg/Kg		06/27/12 21:44	06/28/12 19:46	4
Silver	ND		0.99		mg/Kg		06/27/12 21:44	06/28/12 19:46	4
Thallium	ND		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:46	4
Vanadium	42		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:46	4
Zinc	64		5.9		mg/Kg		06/27/12 21:44	06/28/12 19:46	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.088		0.010		mg/Kg		06/28/12 21:20	06/29/12 20:05	1



Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA44-G47-2.0

Lab Sample ID: 720-42932-16

Date Collected: 06/25/12 14:15

Matrix: Solid

Date Received: 06/25/12 18:25

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		240		ug/Kg		06/27/12 16:00	06/27/12 23:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		45 - 131				06/27/12 16:00	06/27/12 23:24	1
1,2-Dichloroethane-d4 (Surr)	122		60 - 140				06/27/12 16:00	06/27/12 23:24	1
Toluene-d8 (Surr)	100		58 - 140				06/27/12 16:00	06/27/12 23:24	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:47	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA44-G47-2.0

Lab Sample ID: 720-42932-16

Date Collected: 06/25/12 14:15

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	68		21 - 98	06/27/12 09:15	06/28/12 01:47	1
2-Fluorobiphenyl	74		30 - 112	06/27/12 09:15	06/28/12 01:47	1
Terphenyl-d14	80		32 - 117	06/27/12 09:15	06/28/12 01:47	1
2-Fluorophenol	66		28 - 98	06/27/12 09:15	06/28/12 01:47	1
Phenol-d5	66		23 - 101	06/27/12 09:15	06/28/12 01:47	1
2,4,6-Tribromophenol	70		37 - 114	06/27/12 09:15	06/28/12 01:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6.5		1.0		mg/Kg		06/27/12 09:08	06/30/12 04:29	1
Motor Oil Range Organics [C24-C36]	56		50		mg/Kg		06/27/12 09:08	06/30/12 04:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	53		40 - 130	06/27/12 09:08	06/30/12 04:29	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:50	4
Arsenic	6.5		3.9		mg/Kg		06/27/12 21:44	06/28/12 19:50	4
Barium	160		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:50	4
Beryllium	ND		0.39		mg/Kg		06/27/12 21:44	06/28/12 19:50	4
Cadmium	ND		0.49		mg/Kg		06/27/12 21:44	06/28/12 19:50	4
Chromium	80		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:50	4
Cobalt	15		0.78		mg/Kg		06/27/12 21:44	06/28/12 19:50	4
Copper	32		5.9		mg/Kg		06/27/12 21:44	06/28/12 19:50	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA44-G47-2.0

Lab Sample ID: 720-42932-16

Date Collected: 06/25/12 14:15

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.2		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:50	4
Molybdenum	ND		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:50	4
Nickel	110		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:50	4
Selenium	ND		3.9		mg/Kg		06/27/12 21:44	06/28/12 19:50	4
Silver	ND		0.98		mg/Kg		06/27/12 21:44	06/28/12 19:50	4
Thallium	ND		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:50	4
Vanadium	39		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:50	4
Zinc	60		5.9		mg/Kg		06/27/12 21:44	06/28/12 19:50	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.059		0.0090		mg/Kg		06/28/12 21:20	06/29/12 20:08	1



Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA41-G45-7.5

Lab Sample ID: 720-42932-17

Date Collected: 06/25/12 14:30

Matrix: Solid

Date Received: 06/25/12 18:25

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		06/27/12 16:00	06/27/12 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		45 - 131				06/27/12 16:00	06/27/12 23:53	1
1,2-Dichloroethane-d4 (Surr)	120		60 - 140				06/27/12 16:00	06/27/12 23:53	1
Toluene-d8 (Surr)	99		58 - 140				06/27/12 16:00	06/27/12 23:53	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:11	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA41-G45-7.5

Lab Sample ID: 720-42932-17

Date Collected: 06/25/12 14:30

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	61		21 - 98	06/27/12 09:15	06/28/12 02:11	1
2-Fluorobiphenyl	63		30 - 112	06/27/12 09:15	06/28/12 02:11	1
Terphenyl-d14	68		32 - 117	06/27/12 09:15	06/28/12 02:11	1
2-Fluorophenol	59		28 - 98	06/27/12 09:15	06/28/12 02:11	1
Phenol-d5	57		23 - 101	06/27/12 09:15	06/28/12 02:11	1
2,4,6-Tribromophenol	60		37 - 114	06/27/12 09:15	06/28/12 02:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.3		0.98		mg/Kg		06/27/12 09:08	06/30/12 04:53	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		06/27/12 09:08	06/30/12 04:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	93		40 - 130	06/27/12 09:08	06/30/12 04:53	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		06/27/12 11:16	06/29/12 03:55	1
PCB-1221	ND		49		ug/Kg		06/27/12 11:16	06/29/12 03:55	1
PCB-1232	ND		49		ug/Kg		06/27/12 11:16	06/29/12 03:55	1
PCB-1242	ND		49		ug/Kg		06/27/12 11:16	06/29/12 03:55	1
PCB-1248	ND		49		ug/Kg		06/27/12 11:16	06/29/12 03:55	1
PCB-1254	ND		49		ug/Kg		06/27/12 11:16	06/29/12 03:55	1
PCB-1260	ND		49		ug/Kg		06/27/12 11:16	06/29/12 03:55	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA41-G45-7.5

Lab Sample ID: 720-42932-17

Date Collected: 06/25/12 14:30

Matrix: Solid

Date Received: 06/25/12 18:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	87		32 - 112	06/27/12 11:16	06/29/12 03:55	1
DCB Decachlorobiphenyl	95		2 - 122	06/27/12 11:16	06/29/12 03:55	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:54	4
Arsenic	7.0		4.0		mg/Kg		06/27/12 21:44	06/28/12 19:54	4
Barium	220		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:54	4
Beryllium	ND		0.40		mg/Kg		06/27/12 21:44	06/28/12 19:54	4
Cadmium	ND		0.50		mg/Kg		06/27/12 21:44	06/28/12 19:54	4
Chromium	76		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:54	4
Cobalt	21		0.79		mg/Kg		06/27/12 21:44	06/28/12 19:54	4
Copper	36		5.9		mg/Kg		06/27/12 21:44	06/28/12 19:54	4
Lead	9.7		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:54	4
Molybdenum	ND		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:54	4
Nickel	120		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:54	4
Selenium	ND		4.0		mg/Kg		06/27/12 21:44	06/28/12 19:54	4
Silver	ND		0.99		mg/Kg		06/27/12 21:44	06/28/12 19:54	4
Thallium	ND		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:54	4
Vanadium	40		2.0		mg/Kg		06/27/12 21:44	06/28/12 19:54	4
Zinc	60		5.9		mg/Kg		06/27/12 21:44	06/28/12 19:54	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.081		0.0097		mg/Kg		06/28/12 21:20	06/29/12 20:10	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA34-G41-5.0

Lab Sample ID: 720-42932-18

Date Collected: 06/25/12 14:43

Matrix: Solid

Date Received: 06/25/12 18:25

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		240		ug/Kg		06/27/12 16:00	06/28/12 00:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		45 - 131				06/27/12 16:00	06/28/12 00:22	1
1,2-Dichloroethane-d4 (Surr)	118		60 - 140				06/27/12 16:00	06/28/12 00:22	1
Toluene-d8 (Surr)	100		58 - 140				06/27/12 16:00	06/28/12 00:22	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
2-Chlorophenol	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
2-Methylphenol	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Hexachloroethane	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Nitrobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Isophorone	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
2-Nitrophenol	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Naphthalene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Acenaphthylene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Acenaphthene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Dibenzofuran	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Fluorene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:34	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA34-G41-5.0

Lab Sample ID: 720-42932-18

Date Collected: 06/25/12 14:43

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Phenanthrene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Anthracene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Fluoranthene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Pyrene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Chrysene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Azobenzene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/27/12 09:15	06/28/12 02:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	59		21 - 98	06/27/12 09:15	06/28/12 02:34	1
2-Fluorobiphenyl	63		30 - 112	06/27/12 09:15	06/28/12 02:34	1
Terphenyl-d14	74		32 - 117	06/27/12 09:15	06/28/12 02:34	1
2-Fluorophenol	59		28 - 98	06/27/12 09:15	06/28/12 02:34	1
Phenol-d5	58		23 - 101	06/27/12 09:15	06/28/12 02:34	1
2,4,6-Tribromophenol	61		37 - 114	06/27/12 09:15	06/28/12 02:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		06/27/12 09:08	06/30/12 05:18	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 09:08	06/30/12 05:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	79		40 - 130	06/27/12 09:08	06/30/12 05:18	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:07	4
Arsenic	5.6		3.9		mg/Kg		06/27/12 21:44	06/28/12 20:07	4
Barium	190		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:07	4
Beryllium	ND		0.39		mg/Kg		06/27/12 21:44	06/28/12 20:07	4
Cadmium	ND		0.49		mg/Kg		06/27/12 21:44	06/28/12 20:07	4
Chromium	71		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:07	4
Cobalt	15		0.78		mg/Kg		06/27/12 21:44	06/28/12 20:07	4
Copper	32		5.8		mg/Kg		06/27/12 21:44	06/28/12 20:07	4
Lead	7.3		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:07	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA34-G41-5.0

Lab Sample ID: 720-42932-18

Date Collected: 06/25/12 14:43

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:07	4
Nickel	140		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:07	4
Selenium	ND		3.9		mg/Kg		06/27/12 21:44	06/28/12 20:07	4
Silver	ND		0.97		mg/Kg		06/27/12 21:44	06/28/12 20:07	4
Thallium	ND		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:07	4
Vanadium	35		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:07	4
Zinc	55		5.8		mg/Kg		06/27/12 21:44	06/28/12 20:07	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.0097		mg/Kg		06/28/12 21:20	06/29/12 20:13	1



Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA35-G41-7.5

Lab Sample ID: 720-42932-19

Date Collected: 06/25/12 14:46

Matrix: Solid

Date Received: 06/25/12 18:25

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		240		ug/Kg		06/27/12 16:00	06/28/12 00:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		45 - 131				06/27/12 16:00	06/28/12 00:51	1
1,2-Dichloroethane-d4 (Surr)	121		60 - 140				06/27/12 16:00	06/28/12 00:51	1
Toluene-d8 (Surr)	101		58 - 140				06/27/12 16:00	06/28/12 00:51	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
2,4-Dichlorophenol	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
2-Nitroaniline	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
4-Nitrophenol	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
4-Nitroaniline	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 02:58	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA35-G41-7.5

Lab Sample ID: 720-42932-19

Date Collected: 06/25/12 14:46

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Pentachlorophenol	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Benzo[a]anthracene	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Bis(2-ethylhexyl) phthalate	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Benzoic acid	ND		0.32		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 02:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	61		21 - 98	06/27/12 09:15	06/28/12 02:58	1
2-Fluorobiphenyl	65		30 - 112	06/27/12 09:15	06/28/12 02:58	1
Terphenyl-d14	74		32 - 117	06/27/12 09:15	06/28/12 02:58	1
2-Fluorophenol	58		28 - 98	06/27/12 09:15	06/28/12 02:58	1
Phenol-d5	59		23 - 101	06/27/12 09:15	06/28/12 02:58	1
2,4,6-Tribromophenol	64		37 - 114	06/27/12 09:15	06/28/12 02:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/27/12 09:08	06/30/12 05:42	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		06/27/12 09:08	06/30/12 05:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	90		40 - 130	06/27/12 09:08	06/30/12 05:42	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:12	4
Arsenic	4.6		3.9		mg/Kg		06/27/12 21:44	06/28/12 20:12	4
Barium	160		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:12	4
Beryllium	ND		0.39		mg/Kg		06/27/12 21:44	06/28/12 20:12	4
Cadmium	ND		0.49		mg/Kg		06/27/12 21:44	06/28/12 20:12	4
Chromium	68		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:12	4
Cobalt	14		0.78		mg/Kg		06/27/12 21:44	06/28/12 20:12	4
Copper	26		5.8		mg/Kg		06/27/12 21:44	06/28/12 20:12	4
Lead	5.9		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:12	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA35-G41-7.5

Lab Sample ID: 720-42932-19

Date Collected: 06/25/12 14:46

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:12	4
Nickel	130		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:12	4
Selenium	ND		3.9		mg/Kg		06/27/12 21:44	06/28/12 20:12	4
Silver	ND		0.97		mg/Kg		06/27/12 21:44	06/28/12 20:12	4
Thallium	ND		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:12	4
Vanadium	28		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:12	4
Zinc	47		5.8		mg/Kg		06/27/12 21:44	06/28/12 20:12	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.073		0.0085		mg/Kg		06/28/12 21:20	06/29/12 20:15	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA33-G40-5.0

Lab Sample ID: 720-42932-20

Date Collected: 06/25/12 15:00

Matrix: Solid

Date Received: 06/25/12 18:25

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		220		ug/Kg		06/29/12 19:37	06/29/12 23:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		45 - 131				06/29/12 19:37	06/29/12 23:58	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 140				06/29/12 19:37	06/29/12 23:58	1
Toluene-d8 (Surr)	96		58 - 140				06/29/12 19:37	06/29/12 23:58	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 03:22	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA33-G40-5.0

Lab Sample ID: 720-42932-20

Date Collected: 06/25/12 15:00

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/28/12 03:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	63		21 - 98	06/27/12 09:15	06/28/12 03:22	1
2-Fluorobiphenyl	67		30 - 112	06/27/12 09:15	06/28/12 03:22	1
Terphenyl-d14	78		32 - 117	06/27/12 09:15	06/28/12 03:22	1
2-Fluorophenol	61		28 - 98	06/27/12 09:15	06/28/12 03:22	1
Phenol-d5	59		23 - 101	06/27/12 09:15	06/28/12 03:22	1
2,4,6-Tribromophenol	65		37 - 114	06/27/12 09:15	06/28/12 03:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.3		0.99		mg/Kg		06/27/12 09:08	06/30/12 06:06	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 09:08	06/30/12 06:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	95		40 - 130	06/27/12 09:08	06/30/12 06:06	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		06/27/12 21:44	06/28/12 20:16	4
Arsenic	5.4		3.9		mg/Kg		06/27/12 21:44	06/28/12 20:16	4
Barium	150		2.0		mg/Kg		06/27/12 21:44	06/28/12 20:16	4
Beryllium	ND		0.39		mg/Kg		06/27/12 21:44	06/28/12 20:16	4
Cadmium	ND		0.49		mg/Kg		06/27/12 21:44	06/28/12 20:16	4
Chromium	73		2.0		mg/Kg		06/27/12 21:44	06/28/12 20:16	4
Cobalt	15		0.78		mg/Kg		06/27/12 21:44	06/28/12 20:16	4
Copper	28		5.9		mg/Kg		06/27/12 21:44	06/28/12 20:16	4
Lead	6.4		2.0		mg/Kg		06/27/12 21:44	06/28/12 20:16	4

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA33-G40-5.0

Lab Sample ID: 720-42932-20

Date Collected: 06/25/12 15:00

Matrix: Solid

Date Received: 06/25/12 18:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		06/27/12 21:44	06/28/12 20:16	4
Nickel	130		2.0		mg/Kg		06/27/12 21:44	06/28/12 20:16	4
Selenium	ND		3.9		mg/Kg		06/27/12 21:44	06/28/12 20:16	4
Silver	ND		0.98		mg/Kg		06/27/12 21:44	06/28/12 20:16	4
Thallium	ND		2.0		mg/Kg		06/27/12 21:44	06/28/12 20:16	4
Vanadium	31		2.0		mg/Kg		06/27/12 21:44	06/28/12 20:16	4
Zinc	50		5.9		mg/Kg		06/27/12 21:44	06/28/12 20:16	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.088		0.0088		mg/Kg		06/28/12 21:20	06/29/12 20:18	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA13-G27-7.5

Lab Sample ID: 720-42932-21

Date Collected: 06/25/12 15:25

Matrix: Solid

Date Received: 06/25/12 18:25

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		06/27/12 16:00	06/28/12 01:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		45 - 131				06/27/12 16:00	06/28/12 01:50	1
1,2-Dichloroethane-d4 (Surr)	121		60 - 140				06/27/12 16:00	06/28/12 01:50	1
Toluene-d8 (Surr)	99		58 - 140				06/27/12 16:00	06/28/12 01:50	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 14:39	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA13-G27-7.5

Lab Sample ID: 720-42932-21

Date Collected: 06/25/12 15:25

Matrix: Solid

Date Received: 06/25/12 18:25

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		21 - 98	06/28/12 07:05	06/29/12 14:39	1
2-Fluorobiphenyl	76		30 - 112	06/28/12 07:05	06/29/12 14:39	1
Terphenyl-d14	79		32 - 117	06/28/12 07:05	06/29/12 14:39	1
2-Fluorophenol	64		28 - 98	06/28/12 07:05	06/29/12 14:39	1
Phenol-d5	67		23 - 101	06/28/12 07:05	06/29/12 14:39	1
2,4,6-Tribromophenol	70		37 - 114	06/28/12 07:05	06/29/12 14:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/27/12 14:17	06/30/12 02:27	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 14:17	06/30/12 02:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	90		40 - 130	06/27/12 14:17	06/30/12 02:27	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		06/27/12 11:16	06/29/12 04:12	1
PCB-1221	ND		50		ug/Kg		06/27/12 11:16	06/29/12 04:12	1
PCB-1232	ND		50		ug/Kg		06/27/12 11:16	06/29/12 04:12	1
PCB-1242	ND		50		ug/Kg		06/27/12 11:16	06/29/12 04:12	1
PCB-1248	ND		50		ug/Kg		06/27/12 11:16	06/29/12 04:12	1
PCB-1254	ND		50		ug/Kg		06/27/12 11:16	06/29/12 04:12	1
PCB-1260	ND		50		ug/Kg		06/27/12 11:16	06/29/12 04:12	1

Client Sample Results

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA13-G27-7.5

Lab Sample ID: 720-42932-21

Date Collected: 06/25/12 15:25

Matrix: Solid

Date Received: 06/25/12 18:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	86		32 - 112	06/27/12 11:16	06/29/12 04:12	1
DCB Decachlorobiphenyl	98		2 - 122	06/27/12 11:16	06/29/12 04:12	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:20	4
Arsenic	5.9		3.7		mg/Kg		06/27/12 21:44	06/28/12 20:20	4
Barium	250		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:20	4
Beryllium	ND		0.37		mg/Kg		06/27/12 21:44	06/28/12 20:20	4
Cadmium	ND		0.47		mg/Kg		06/27/12 21:44	06/28/12 20:20	4
Chromium	67		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:20	4
Cobalt	17		0.75		mg/Kg		06/27/12 21:44	06/28/12 20:20	4
Copper	31		5.6		mg/Kg		06/27/12 21:44	06/28/12 20:20	4
Lead	8.1		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:20	4
Molybdenum	ND		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:20	4
Nickel	120		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:20	4
Selenium	ND		3.7		mg/Kg		06/27/12 21:44	06/28/12 20:20	4
Silver	ND		0.93		mg/Kg		06/27/12 21:44	06/28/12 20:20	4
Thallium	ND		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:20	4
Vanadium	33		1.9		mg/Kg		06/27/12 21:44	06/28/12 20:20	4
Zinc	53		5.6		mg/Kg		06/27/12 21:44	06/28/12 20:20	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.0091		mg/Kg		06/29/12 19:40	07/02/12 17:09	1

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

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

Lab Sample ID: MB 720-116206/1-A

Matrix: Solid

Analysis Batch: 116197

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116206

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		130		ug/Kg		06/27/12 07:30	06/27/12 09:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		45 - 131	06/27/12 07:30	06/27/12 09:00	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 140	06/27/12 07:30	06/27/12 09:00	1
Toluene-d8 (Surr)	102		58 - 140	06/27/12 07:30	06/27/12 09:00	1

Lab Sample ID: LCS 720-116206/4-A

Matrix: Solid

Analysis Batch: 116197

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116206

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	932		ug/Kg		93	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	101		45 - 131
1,2-Dichloroethane-d4 (Surr)	103		60 - 140
Toluene-d8 (Surr)	103		58 - 140

Lab Sample ID: LCSD 720-116206/5-A

Matrix: Solid

Analysis Batch: 116197

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116206

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	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	101		45 - 131
1,2-Dichloroethane-d4 (Surr)	97		60 - 140
Toluene-d8 (Surr)	104		58 - 140

Lab Sample ID: MB 720-116249/1-A

Matrix: Solid

Analysis Batch: 116233

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116249

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		06/27/12 16:00	06/27/12 16:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		45 - 131	06/27/12 16:00	06/27/12 16:37	1
1,2-Dichloroethane-d4 (Surr)	109		60 - 140	06/27/12 16:00	06/27/12 16:37	1
Toluene-d8 (Surr)	101		58 - 140	06/27/12 16:00	06/27/12 16:37	1

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

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

Lab Sample ID: LCS 720-116249/4-A

Matrix: Solid

Analysis Batch: 116233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116249

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	1010		ug/Kg		101	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	103		45 - 131
1,2-Dichloroethane-d4 (Surr)	113		60 - 140
Toluene-d8 (Surr)	104		58 - 140

Lab Sample ID: LCSD 720-116249/5-A

Matrix: Solid

Analysis Batch: 116233

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116249

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	998		ug/Kg		100	61 - 128	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	104		45 - 131
1,2-Dichloroethane-d4 (Surr)	112		60 - 140
Toluene-d8 (Surr)	104		58 - 140

Lab Sample ID: MB 720-116366/1-A

Matrix: Solid

Analysis Batch: 116358

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		06/29/12 18:22	06/29/12 19:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		45 - 131	06/29/12 18:22	06/29/12 19:37	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140	06/29/12 18:22	06/29/12 19:37	1
Toluene-d8 (Surr)	100		58 - 140	06/29/12 18:22	06/29/12 19:37	1

Lab Sample ID: LCS 720-116366/4-A

Matrix: Solid

Analysis Batch: 116358

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116366

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	101		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	104		58 - 140

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

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

Lab Sample ID: LCSD 720-116366/5-A

Matrix: Solid

Analysis Batch: 116358

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116366

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	957		ug/Kg		96	61 - 128	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	101		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	104		58 - 140

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Lab Sample ID: MB 720-116203/1-A

Matrix: Solid

Analysis Batch: 116208

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
2-Chlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Benzyl alcohol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
2-Methylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Hexachloroethane	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Nitrobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Isophorone	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
2-Nitrophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Naphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
4-Chloroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
2-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Acenaphthylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
3-Nitroaniline	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Acenaphthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
4-Nitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:01	1

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: MB 720-116203/1-A

Matrix: Solid

Analysis Batch: 116208

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Diethyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Fluorene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
4-Nitroaniline	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Pentachlorophenol	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Phenanthrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Chrysene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Benzoic acid	ND		0.33		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Azobenzene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/27/12 09:15	06/27/12 19:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	72		21 - 98	06/27/12 09:15	06/27/12 19:01	1
2-Fluorobiphenyl	75		30 - 112	06/27/12 09:15	06/27/12 19:01	1
Terphenyl-d14	88		32 - 117	06/27/12 09:15	06/27/12 19:01	1
2-Fluorophenol	73		28 - 98	06/27/12 09:15	06/27/12 19:01	1
Phenol-d5	71		23 - 101	06/27/12 09:15	06/27/12 19:01	1
2,4,6-Tribromophenol	74		37 - 114	06/27/12 09:15	06/27/12 19:01	1

Lab Sample ID: LCS 720-116203/2-A

Matrix: Solid

Analysis Batch: 116208

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116203

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	1.65	1.25		mg/Kg		76	48 - 115
Bis(2-chloroethyl)ether	1.65	1.17		mg/Kg		71	45 - 115
2-Chlorophenol	1.65	1.28		mg/Kg		77	48 - 115

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: LCS 720-116203/2-A

Matrix: Solid

Analysis Batch: 116208

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116203

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	1.65	1.20		mg/Kg		73	41 - 115
1,4-Dichlorobenzene	1.65	1.15		mg/Kg		70	40 - 115
Benzyl alcohol	1.65	1.42		mg/Kg		86	54 - 115
1,2-Dichlorobenzene	1.65	1.23		mg/Kg		74	44 - 115
2-Methylphenol	1.65	1.25		mg/Kg		76	54 - 115
Methylphenol, 3 & 4	3.31	2.25		mg/Kg		68	42 - 115
N-Nitrosodi-n-propylamine	1.65	1.29		mg/Kg		78	46 - 115
Hexachloroethane	1.65	1.19		mg/Kg		72	44 - 115
Nitrobenzene	1.65	1.26		mg/Kg		76	48 - 115
Isophorone	1.65	1.28		mg/Kg		77	54 - 115
2-Nitrophenol	1.65	1.29		mg/Kg		78	48 - 115
2,4-Dimethylphenol	1.65	1.24		mg/Kg		75	52 - 115
Bis(2-chloroethoxy)methane	1.65	1.28		mg/Kg		77	46 - 115
2,4-Dichlorophenol	1.65	1.32		mg/Kg		80	49 - 100
1,2,4-Trichlorobenzene	1.65	1.26		mg/Kg		76	47 - 115
Naphthalene	1.65	1.30		mg/Kg		79	44 - 115
4-Chloroaniline	1.65	1.11		mg/Kg		67	30 - 115
Hexachlorobutadiene	1.65	1.27		mg/Kg		77	44 - 115
4-Chloro-3-methylphenol	1.65	1.37		mg/Kg		83	58 - 115
2-Methylnaphthalene	1.65	1.27		mg/Kg		77	49 - 115
Hexachlorocyclopentadiene	1.65	1.45		mg/Kg		87	42 - 132
2,4,6-Trichlorophenol	1.65	1.38		mg/Kg		83	45 - 115
2,4,5-Trichlorophenol	1.65	1.31		mg/Kg		79	48 - 115
2-Chloronaphthalene	1.65	1.37		mg/Kg		83	52 - 115
2-Nitroaniline	1.65	1.43		mg/Kg		86	54 - 115
Dimethyl phthalate	1.65	1.36		mg/Kg		82	64 - 119
Acenaphthylene	1.65	1.51		mg/Kg		92	61 - 129
3-Nitroaniline	1.65	1.16		mg/Kg		70	50 - 115
Acenaphthene	1.65	1.38		mg/Kg		84	50 - 115
2,4-Dinitrophenol	1.65	0.972		mg/Kg		59	21 - 115
4-Nitrophenol	1.65	1.47		mg/Kg		89	54 - 125
Dibenzofuran	1.65	1.35		mg/Kg		82	55 - 115
2,4-Dinitrotoluene	1.65	1.44		mg/Kg		87	57 - 115
2,6-Dinitrotoluene	1.65	1.40		mg/Kg		85	54 - 119
Diethyl phthalate	1.65	1.42		mg/Kg		86	49 - 117
4-Chlorophenyl phenyl ether	1.65	1.46		mg/Kg		88	57 - 115
Fluorene	1.65	1.38		mg/Kg		83	54 - 115
4-Nitroaniline	1.65	1.40		mg/Kg		85	59 - 115
2-Methyl-4,6-dinitrophenol	1.65	1.21		mg/Kg		73	48 - 115
N-Nitrosodiphenylamine	1.65	1.33		mg/Kg		80	56 - 115
4-Bromophenyl phenyl ether	1.65	1.36		mg/Kg		82	53 - 115
Hexachlorobenzene	1.65	1.36		mg/Kg		82	55 - 115
Pentachlorophenol	1.65	1.28		mg/Kg		77	35 - 115
Phenanthrene	1.65	1.39		mg/Kg		84	54 - 115
Anthracene	1.65	1.39		mg/Kg		84	55 - 115
Di-n-butyl phthalate	1.65	1.46		mg/Kg		88	55 - 115
Fluoranthene	1.65	1.46		mg/Kg		88	54 - 115
Pyrene	1.65	1.45		mg/Kg		88	48 - 115

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: LCS 720-116203/2-A

Matrix: Solid

Analysis Batch: 116208

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116203

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Butyl benzyl phthalate	1.65	1.51		mg/Kg		91	53 - 115
3,3'-Dichlorobenzidine	1.65	1.19		mg/Kg		72	42 - 115
Benzo[a]anthracene	1.65	1.43		mg/Kg		86	55 - 115
Bis(2-ethylhexyl) phthalate	1.65	1.58		mg/Kg		96	53 - 115
Chrysene	1.65	1.48		mg/Kg		90	58 - 115
Di-n-octyl phthalate	1.65	1.55		mg/Kg		94	53 - 115
Benzo[b]fluoranthene	1.65	1.34		mg/Kg		81	56 - 115
Benzo[a]pyrene	1.65	1.32		mg/Kg		80	55 - 115
Benzo[k]fluoranthene	1.65	1.36		mg/Kg		82	57 - 115
Indeno[1,2,3-cd]pyrene	1.65	1.41		mg/Kg		85	56 - 115
Benzo[g,h,i]perylene	1.65	1.45		mg/Kg		87	56 - 115
Benzoic acid	1.65	1.04		mg/Kg		63	10 - 115
Azobenzene	1.65	1.31		mg/Kg		79	52 - 115
Dibenz(a,h)anthracene	1.65	1.42		mg/Kg		86	58 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	78		21 - 98
2-Fluorobiphenyl	83		30 - 112
Terphenyl-d14	88		32 - 117
2-Fluorophenol	78		28 - 98
Phenol-d5	81		23 - 101
2,4,6-Tribromophenol	84		37 - 114

Lab Sample ID: LCSD 720-116203/3-A

Matrix: Solid

Analysis Batch: 116208

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116203

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol	1.66	1.26		mg/Kg		76	48 - 115	1	35
Bis(2-chloroethyl)ether	1.66	1.16		mg/Kg		70	45 - 115	0	35
2-Chlorophenol	1.66	1.27		mg/Kg		76	48 - 115	1	35
1,3-Dichlorobenzene	1.66	1.21		mg/Kg		73	41 - 115	0	35
1,4-Dichlorobenzene	1.66	1.15		mg/Kg		69	40 - 115	0	35
Benzyl alcohol	1.66	1.40		mg/Kg		84	54 - 115	1	35
1,2-Dichlorobenzene	1.66	1.23		mg/Kg		74	44 - 115	0	35
2-Methylphenol	1.66	1.25		mg/Kg		75	54 - 115	0	35
Methylphenol, 3 & 4	3.32	2.26		mg/Kg		68	42 - 115	0	35
N-Nitrosodi-n-propylamine	1.66	1.29		mg/Kg		77	46 - 115	0	35
Hexachloroethane	1.66	1.20		mg/Kg		72	44 - 115	0	35
Nitrobenzene	1.66	1.30		mg/Kg		78	48 - 115	3	35
Isophorone	1.66	1.28		mg/Kg		77	54 - 115	0	35
2-Nitrophenol	1.66	1.29		mg/Kg		78	48 - 115	0	35
2,4-Dimethylphenol	1.66	1.24		mg/Kg		75	52 - 115	0	35
Bis(2-chloroethoxy)methane	1.66	1.29		mg/Kg		78	46 - 115	1	35
2,4-Dichlorophenol	1.66	1.29		mg/Kg		78	49 - 100	2	35
1,2,4-Trichlorobenzene	1.66	1.26		mg/Kg		76	47 - 115	0	35
Naphthalene	1.66	1.32		mg/Kg		79	44 - 115	1	35
4-Chloroaniline	1.66	1.14		mg/Kg		68	30 - 115	2	35

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: LCSD 720-116203/3-A

Matrix: Solid

Analysis Batch: 116208

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116203

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene	1.66	1.29		mg/Kg		78	44 - 115	1	35
4-Chloro-3-methylphenol	1.66	1.38		mg/Kg		83	58 - 115	0	35
2-Methylnaphthalene	1.66	1.28		mg/Kg		77	49 - 115	1	35
Hexachlorocyclopentadiene	1.66	1.42		mg/Kg		86	42 - 132	2	35
2,4,6-Trichlorophenol	1.66	1.40		mg/Kg		84	45 - 115	1	35
2,4,5-Trichlorophenol	1.66	1.27		mg/Kg		76	48 - 115	3	35
2-Chloronaphthalene	1.66	1.36		mg/Kg		82	52 - 115	0	35
2-Nitroaniline	1.66	1.41		mg/Kg		85	54 - 115	1	35
Dimethyl phthalate	1.66	1.35		mg/Kg		81	64 - 119	1	35
Acenaphthylene	1.66	1.48		mg/Kg		89	61 - 129	3	35
3-Nitroaniline	1.66	1.16		mg/Kg		70	50 - 115	0	35
Acenaphthene	1.66	1.38		mg/Kg		83	50 - 115	0	35
2,4-Dinitrophenol	1.66	0.877		mg/Kg		53	21 - 115	10	35
4-Nitrophenol	1.66	1.45		mg/Kg		87	54 - 125	2	35
Dibenzofuran	1.66	1.34		mg/Kg		81	55 - 115	1	35
2,4-Dinitrotoluene	1.66	1.45		mg/Kg		87	57 - 115	0	35
2,6-Dinitrotoluene	1.66	1.42		mg/Kg		85	54 - 119	1	35
Diethyl phthalate	1.66	1.42		mg/Kg		86	49 - 117	0	35
4-Chlorophenyl phenyl ether	1.66	1.44		mg/Kg		87	57 - 115	1	35
Fluorene	1.66	1.38		mg/Kg		83	54 - 115	0	35
4-Nitroaniline	1.66	1.38		mg/Kg		83	59 - 115	1	35
2-Methyl-4,6-dinitrophenol	1.66	1.16		mg/Kg		70	48 - 115	4	35
N-Nitrosodiphenylamine	1.66	1.33		mg/Kg		80	56 - 115	0	35
4-Bromophenyl phenyl ether	1.66	1.35		mg/Kg		81	53 - 115	1	35
Hexachlorobenzene	1.66	1.35		mg/Kg		81	55 - 115	0	35
Pentachlorophenol	1.66	1.29		mg/Kg		77	35 - 115	0	35
Phenanthrene	1.66	1.37		mg/Kg		82	54 - 115	2	35
Anthracene	1.66	1.41		mg/Kg		85	55 - 115	1	35
Di-n-butyl phthalate	1.66	1.45		mg/Kg		87	55 - 115	1	35
Fluoranthene	1.66	1.42		mg/Kg		85	54 - 115	3	35
Pyrene	1.66	1.43		mg/Kg		86	48 - 115	1	35
Butyl benzyl phthalate	1.66	1.50		mg/Kg		90	53 - 115	1	35
3,3'-Dichlorobenzidine	1.66	1.17		mg/Kg		71	42 - 115	1	35
Benzo[a]anthracene	1.66	1.40		mg/Kg		84	55 - 115	2	35
Bis(2-ethylhexyl) phthalate	1.66	1.58		mg/Kg		95	53 - 115	1	35
Chrysene	1.66	1.49		mg/Kg		89	58 - 115	0	35
Di-n-octyl phthalate	1.66	1.53		mg/Kg		92	53 - 115	1	35
Benzo[b]fluoranthene	1.66	1.29		mg/Kg		78	56 - 115	4	35
Benzo[a]pyrene	1.66	1.34		mg/Kg		81	55 - 115	2	35
Benzo[k]fluoranthene	1.66	1.47		mg/Kg		88	57 - 115	7	35
Indeno[1,2,3-cd]pyrene	1.66	1.43		mg/Kg		86	56 - 115	2	35
Benzo[g,h,i]perylene	1.66	1.46		mg/Kg		88	56 - 115	1	35
Benzoic acid	1.66	1.02		mg/Kg		61	10 - 115	2	35
Azobenzene	1.66	1.34		mg/Kg		81	52 - 115	2	35
Dibenz(a,h)anthracene	1.66	1.43		mg/Kg		86	58 - 115	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Nitrobenzene-d5	79		21 - 98

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: LCSD 720-116203/3-A

Matrix: Solid

Analysis Batch: 116208

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116203

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	82		30 - 112
Terphenyl-d14	86		32 - 117
2-Fluorophenol	78		28 - 98
Phenol-d5	81		23 - 101
2,4,6-Tribromophenol	85		37 - 114

Lab Sample ID: 720-42932-2 MS

Matrix: Solid

Analysis Batch: 116208

Client Sample ID: HA48-G52-2.0

Prep Type: Total/NA

Prep Batch: 116203

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Phenol	ND		1.66	1.05		mg/Kg		63	23 - 115
Bis(2-chloroethyl)ether	ND		1.66	0.937		mg/Kg		57	27 - 115
2-Chlorophenol	ND		1.66	1.00		mg/Kg		60	16 - 115
1,3-Dichlorobenzene	ND		1.66	1.00		mg/Kg		61	22 - 115
1,4-Dichlorobenzene	ND		1.66	0.957		mg/Kg		58	21 - 115
Benzyl alcohol	ND		1.66	1.09		mg/Kg		66	28 - 115
1,2-Dichlorobenzene	ND		1.66	1.02		mg/Kg		61	25 - 115
2-Methylphenol	ND		1.66	0.960		mg/Kg		58	32 - 115
Methylphenol, 3 & 4	ND		3.31	1.77		mg/Kg		53	28 - 115
N-Nitrosodi-n-propylamine	ND		1.66	1.04		mg/Kg		63	27 - 115
Hexachloroethane	ND		1.66	0.970		mg/Kg		59	19 - 115
Nitrobenzene	ND		1.66	1.07		mg/Kg		64	30 - 115
Isophorone	ND		1.66	1.05		mg/Kg		64	36 - 115
2-Nitrophenol	ND		1.66	1.05		mg/Kg		63	11 - 116
2,4-Dimethylphenol	ND		1.66	0.821		mg/Kg		50	36 - 115
Bis(2-chloroethoxy)methane	ND		1.66	1.05		mg/Kg		63	28 - 115
2,4-Dichlorophenol	ND		1.66	1.06		mg/Kg		64	17 - 115
1,2,4-Trichlorobenzene	ND		1.66	1.04		mg/Kg		63	29 - 115
Naphthalene	ND		1.66	1.09		mg/Kg		66	22 - 115
4-Chloroaniline	ND		1.66	0.947		mg/Kg		57	7 - 115
Hexachlorobutadiene	ND		1.66	1.05		mg/Kg		63	26 - 115
4-Chloro-3-methylphenol	ND		1.66	1.12		mg/Kg		67	42 - 115
2-Methylnaphthalene	ND		1.66	1.07		mg/Kg		64	28 - 115
Hexachlorocyclopentadiene	ND		1.66	1.05		mg/Kg		63	15 - 115
2,4,6-Trichlorophenol	ND		1.66	1.04		mg/Kg		63	25 - 115
2,4,5-Trichlorophenol	ND		1.66	1.06		mg/Kg		64	38 - 115
2-Chloronaphthalene	ND		1.66	1.13		mg/Kg		68	38 - 115
2-Nitroaniline	ND		1.66	1.15		mg/Kg		69	43 - 115
Dimethyl phthalate	ND		1.66	1.14		mg/Kg		69	55 - 116
Acenaphthylene	ND		1.66	1.26		mg/Kg		76	49 - 120
3-Nitroaniline	ND		1.66	1.01		mg/Kg		61	39 - 115
Acenaphthene	ND		1.66	1.15		mg/Kg		69	42 - 115
2,4-Dinitrophenol	ND		1.66	ND		mg/Kg		37	13 - 122
4-Nitrophenol	ND		1.66	1.21		mg/Kg		73	25 - 147
Dibenzofuran	ND		1.66	1.14		mg/Kg		69	43 - 115
2,4-Dinitrotoluene	ND		1.66	1.20		mg/Kg		72	47 - 115
2,6-Dinitrotoluene	ND		1.66	1.18		mg/Kg		71	55 - 115

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: 720-42932-2 MS

Matrix: Solid

Analysis Batch: 116208

Client Sample ID: HA48-G52-2.0

Prep Type: Total/NA

Prep Batch: 116203

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Diethyl phthalate	ND		1.66	1.18		mg/Kg		71		48 - 115
4-Chlorophenyl phenyl ether	ND		1.66	1.20		mg/Kg		72		44 - 115
Fluorene	ND		1.66	1.15		mg/Kg		70		41 - 115
4-Nitroaniline	ND		1.66	1.18		mg/Kg		71		47 - 120
2-Methyl-4,6-dinitrophenol	ND		1.66	0.927		mg/Kg		56		19 - 132
N-Nitrosodiphenylamine	ND		1.66	1.11		mg/Kg		67		43 - 115
4-Bromophenyl phenyl ether	ND		1.66	1.13		mg/Kg		68		45 - 115
Hexachlorobenzene	ND		1.66	1.15		mg/Kg		70		48 - 115
Pentachlorophenol	ND		1.66	0.884		mg/Kg		53		7 - 132
Phenanthrene	ND		1.66	1.18		mg/Kg		71		38 - 115
Anthracene	ND		1.66	1.20		mg/Kg		73		47 - 115
Di-n-butyl phthalate	ND		1.66	1.25		mg/Kg		76		46 - 115
Fluoranthene	ND		1.66	1.24		mg/Kg		75		40 - 115
Pyrene	ND		1.66	1.20		mg/Kg		73		35 - 115
Butyl benzyl phthalate	ND		1.66	1.27		mg/Kg		77		40 - 115
3,3'-Dichlorobenzidine	ND		1.66	0.877		mg/Kg		53		17 - 115
Benzo[a]anthracene	ND		1.66	1.20		mg/Kg		73		42 - 115
Bis(2-ethylhexyl) phthalate	ND		1.66	1.32		mg/Kg		80		42 - 115
Chrysene	ND		1.66	1.26		mg/Kg		76		37 - 115
Di-n-octyl phthalate	ND		1.66	1.29		mg/Kg		78		46 - 115
Benzo[b]fluoranthene	ND		1.66	1.11		mg/Kg		67		43 - 115
Benzo[a]pyrene	ND		1.66	1.11		mg/Kg		67		48 - 115
Benzo[k]fluoranthene	ND		1.66	1.14		mg/Kg		69		39 - 115
Indeno[1,2,3-cd]pyrene	ND		1.66	1.20		mg/Kg		72		50 - 115
Benzo[g,h,i]perylene	ND		1.66	1.22		mg/Kg		74		43 - 115
Benzoic acid	ND		1.66	0.457		mg/Kg		28		0 - 115
Azobenzene	ND		1.66	1.12		mg/Kg		68		48 - 115
Dibenz(a,h)anthracene	ND		1.66	1.20		mg/Kg		72		49 - 115

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	64		21 - 98
2-Fluorobiphenyl	67		30 - 112
Terphenyl-d14	72		32 - 117
2-Fluorophenol	62		28 - 98
Phenol-d5	64		23 - 101
2,4,6-Tribromophenol	64		37 - 114

Lab Sample ID: 720-42932-2 MSD

Matrix: Solid

Analysis Batch: 116208

Client Sample ID: HA48-G52-2.0

Prep Type: Total/NA

Prep Batch: 116203

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Phenol	ND		1.66	1.12		mg/Kg		68		23 - 115	7	35
Bis(2-chloroethyl)ether	ND		1.66	0.988		mg/Kg		60		27 - 115	5	35
2-Chlorophenol	ND		1.66	1.07		mg/Kg		65		16 - 115	7	35
1,3-Dichlorobenzene	ND		1.66	1.07		mg/Kg		64		22 - 115	6	35
1,4-Dichlorobenzene	ND		1.66	1.04		mg/Kg		63		21 - 115	8	35
Benzyl alcohol	ND		1.66	1.18		mg/Kg		71		28 - 115	8	35

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: 720-42932-2 MSD

Matrix: Solid

Analysis Batch: 116208

Client Sample ID: HA48-G52-2.0

Prep Type: Total/NA

Prep Batch: 116203

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
1,2-Dichlorobenzene	ND		1.66	1.10		mg/Kg		66	25 - 115	8	35
2-Methylphenol	ND		1.66	1.04		mg/Kg		63	32 - 115	8	35
Methylphenol, 3 & 4	ND		3.31	1.93		mg/Kg		58	28 - 115	9	35
N-Nitrosodi-n-propylamine	ND		1.66	1.11		mg/Kg		67	27 - 115	6	35
Hexachloroethane	ND		1.66	1.03		mg/Kg		62	19 - 115	6	35
Nitrobenzene	ND		1.66	1.13		mg/Kg		68	30 - 115	6	35
Isophorone	ND		1.66	1.11		mg/Kg		67	36 - 115	6	35
2-Nitrophenol	ND		1.66	1.12		mg/Kg		68	11 - 116	7	35
2,4-Dimethylphenol	ND		1.66	0.868		mg/Kg		52	36 - 115	6	35
Bis(2-chloroethoxy)methane	ND		1.66	1.13		mg/Kg		68	28 - 115	7	35
2,4-Dichlorophenol	ND		1.66	1.11		mg/Kg		67	17 - 115	5	35
1,2,4-Trichlorobenzene	ND		1.66	1.11		mg/Kg		67	29 - 115	6	35
Naphthalene	ND		1.66	1.16		mg/Kg		70	22 - 115	6	35
4-Chloroaniline	ND		1.66	0.988		mg/Kg		60	7 - 115	4	35
Hexachlorobutadiene	ND		1.66	1.12		mg/Kg		67	26 - 115	6	35
4-Chloro-3-methylphenol	ND		1.66	1.17		mg/Kg		70	42 - 115	4	35
2-Methylnaphthalene	ND		1.66	1.14		mg/Kg		69	28 - 115	6	35
Hexachlorocyclopentadiene	ND		1.66	1.12		mg/Kg		68	15 - 115	7	35
2,4,6-Trichlorophenol	ND		1.66	1.11		mg/Kg		67	25 - 115	7	35
2,4,5-Trichlorophenol	ND		1.66	1.15		mg/Kg		69	38 - 115	8	35
2-Chloronaphthalene	ND		1.66	1.21		mg/Kg		73	38 - 115	7	35
2-Nitroaniline	ND		1.66	1.23		mg/Kg		74	43 - 115	7	35
Dimethyl phthalate	ND		1.66	1.22		mg/Kg		74	55 - 116	7	35
Acenaphthylene	ND		1.66	1.35		mg/Kg		81	49 - 120	7	35
3-Nitroaniline	ND		1.66	1.09		mg/Kg		66	39 - 115	7	35
Acenaphthene	ND		1.66	1.22		mg/Kg		74	42 - 115	6	35
2,4-Dinitrophenol	ND		1.66	0.676		mg/Kg		41	13 - 122	9	35
4-Nitrophenol	ND		1.66	1.29		mg/Kg		78	25 - 147	7	35
Dibenzofuran	ND		1.66	1.20		mg/Kg		72	43 - 115	5	35
2,4-Dinitrotoluene	ND		1.66	1.27		mg/Kg		76	47 - 115	5	35
2,6-Dinitrotoluene	ND		1.66	1.26		mg/Kg		76	55 - 115	7	35
Diethyl phthalate	ND		1.66	1.27		mg/Kg		76	48 - 115	7	35
4-Chlorophenyl phenyl ether	ND		1.66	1.29		mg/Kg		78	44 - 115	8	35
Fluorene	ND		1.66	1.23		mg/Kg		74	41 - 115	6	35
4-Nitroaniline	ND		1.66	1.24		mg/Kg		75	47 - 120	4	35
2-Methyl-4,6-dinitrophenol	ND		1.66	0.981		mg/Kg		59	19 - 132	6	35
N-Nitrosodiphenylamine	ND		1.66	1.18		mg/Kg		71	43 - 115	6	35
4-Bromophenyl phenyl ether	ND		1.66	1.19		mg/Kg		72	45 - 115	5	35
Hexachlorobenzene	ND		1.66	1.20		mg/Kg		73	48 - 115	4	35
Pentachlorophenol	ND		1.66	0.974		mg/Kg		59	7 - 132	10	35
Phenanthrene	ND		1.66	1.23		mg/Kg		74	38 - 115	5	35
Anthracene	ND		1.66	1.28		mg/Kg		77	47 - 115	6	35
Di-n-butyl phthalate	ND		1.66	1.32		mg/Kg		80	46 - 115	5	35
Fluoranthene	ND		1.66	1.32		mg/Kg		80	40 - 115	6	35
Pyrene	ND		1.66	1.28		mg/Kg		77	35 - 115	6	35
Butyl benzyl phthalate	ND		1.66	1.35		mg/Kg		81	40 - 115	6	35
3,3'-Dichlorobenzidine	ND		1.66	0.941		mg/Kg		57	17 - 115	7	35
Benzo[a]anthracene	ND		1.66	1.27		mg/Kg		77	42 - 115	5	35

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: 720-42932-2 MSD

Matrix: Solid

Analysis Batch: 116208

Client Sample ID: HA48-G52-2.0

Prep Type: Total/NA

Prep Batch: 116203

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Bis(2-ethylhexyl) phthalate	ND		1.66	1.40		mg/Kg		84	42 - 115	5	35	
Chrysene	ND		1.66	1.33		mg/Kg		80	37 - 115	5	35	
Di-n-octyl phthalate	ND		1.66	1.36		mg/Kg		82	46 - 115	5	35	
Benzo[b]fluoranthene	ND		1.66	1.12		mg/Kg		68	43 - 115	1	35	
Benzo[a]pyrene	ND		1.66	1.16		mg/Kg		70	48 - 115	4	35	
Benzo[k]fluoranthene	ND		1.66	1.29		mg/Kg		78	39 - 115	12	35	
Indeno[1,2,3-cd]pyrene	ND		1.66	1.27		mg/Kg		76	50 - 115	6	35	
Benzo[g,h,i]perylene	ND		1.66	1.31		mg/Kg		79	43 - 115	7	35	
Benzoic acid	ND		1.66	0.544		mg/Kg		33	0 - 115	17	35	
Azobenzene	ND		1.66	1.21		mg/Kg		73	48 - 115	7	35	
Dibenz(a,h)anthracene	ND		1.66	1.27		mg/Kg		77	49 - 115	6	35	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	69		21 - 98
2-Fluorobiphenyl	71		30 - 112
Terphenyl-d14	76		32 - 117
2-Fluorophenol	67		28 - 98
Phenol-d5	69		23 - 101
2,4,6-Tribromophenol	68		37 - 114

Lab Sample ID: MB 720-116270/1-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116270

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Phenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: MB 720-116270/1-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116270

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	62		21 - 98	06/28/12 07:05	06/29/12 12:38	1
2-Fluorobiphenyl	67		30 - 112	06/28/12 07:05	06/29/12 12:38	1
Terphenyl-d14	78		32 - 117	06/28/12 07:05	06/29/12 12:38	1
2-Fluorophenol	60		28 - 98	06/28/12 07:05	06/29/12 12:38	1

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: MB 720-116270/1-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116270

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Phenol-d5	62		23 - 101	06/28/12 07:05	06/29/12 12:38	1
2,4,6-Tribromophenol	69		37 - 114	06/28/12 07:05	06/29/12 12:38	1

Lab Sample ID: LCS 720-116270/2-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116270

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethyl)ether	1.65	1.07		mg/Kg		65	45 - 115
2-Chlorophenol	1.65	1.09		mg/Kg		66	48 - 115
1,3-Dichlorobenzene	1.65	1.08		mg/Kg		66	41 - 115
1,4-Dichlorobenzene	1.65	1.11		mg/Kg		67	40 - 115
Benzyl alcohol	1.65	1.18		mg/Kg		72	54 - 115
1,2-Dichlorobenzene	1.65	1.11		mg/Kg		67	44 - 115
2-Methylphenol	1.65	1.07		mg/Kg		65	54 - 115
Methylphenol, 3 & 4	3.31	1.96		mg/Kg		59	42 - 115
N-Nitrosodi-n-propylamine	1.65	1.12		mg/Kg		68	46 - 115
Hexachloroethane	1.65	1.11		mg/Kg		67	44 - 115
Nitrobenzene	1.65	1.11		mg/Kg		67	48 - 115
Isophorone	1.65	1.11		mg/Kg		67	54 - 115
2-Nitrophenol	1.65	1.08		mg/Kg		65	48 - 115
2,4-Dimethylphenol	1.65	1.02		mg/Kg		61	52 - 115
Bis(2-chloroethoxy)methane	1.65	1.08		mg/Kg		66	46 - 115
2,4-Dichlorophenol	1.65	1.08		mg/Kg		66	49 - 100
1,2,4-Trichlorobenzene	1.65	1.09		mg/Kg		66	47 - 115
Naphthalene	1.65	1.15		mg/Kg		70	44 - 115
4-Chloroaniline	1.65	0.962		mg/Kg		58	30 - 115
Hexachlorobutadiene	1.65	1.13		mg/Kg		68	44 - 115
4-Chloro-3-methylphenol	1.65	1.14		mg/Kg		69	58 - 115
2-Methylnaphthalene	1.65	1.10		mg/Kg		67	49 - 115
Hexachlorocyclopentadiene	1.65	1.19		mg/Kg		72	42 - 132
2,4,6-Trichlorophenol	1.65	1.12		mg/Kg		68	45 - 115
2,4,5-Trichlorophenol	1.65	1.05		mg/Kg		64	48 - 115
2-Chloronaphthalene	1.65	1.15		mg/Kg		69	52 - 115
2-Nitroaniline	1.65	1.16		mg/Kg		70	54 - 115
Dimethyl phthalate	1.65	1.17		mg/Kg		71	64 - 119
Acenaphthylene	1.65	1.29		mg/Kg		78	61 - 129
3-Nitroaniline	1.65	0.995		mg/Kg		60	50 - 115
Acenaphthene	1.65	1.16		mg/Kg		70	50 - 115
2,4-Dinitrophenol	1.65	0.969		mg/Kg		59	21 - 115
4-Nitrophenol	1.65	1.22		mg/Kg		74	54 - 125
Dibenzofuran	1.65	1.15		mg/Kg		70	55 - 115
2,4-Dinitrotoluene	1.65	1.21		mg/Kg		73	57 - 115
2,6-Dinitrotoluene	1.65	1.22		mg/Kg		74	54 - 119
Diethyl phthalate	1.65	1.21		mg/Kg		73	49 - 117
4-Chlorophenyl phenyl ether	1.65	1.27		mg/Kg		77	57 - 115
Fluorene	1.65	1.19		mg/Kg		72	54 - 115

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: LCS 720-116270/2-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116270

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitroaniline	1.65	1.20		mg/Kg		72	59 - 115
2-Methyl-4,6-dinitrophenol	1.65	1.09		mg/Kg		66	48 - 115
N-Nitrosodiphenylamine	1.65	1.13		mg/Kg		68	56 - 115
4-Bromophenyl phenyl ether	1.65	1.15		mg/Kg		70	53 - 115
Hexachlorobenzene	1.65	1.16		mg/Kg		70	55 - 115
Pentachlorophenol	1.65	1.05		mg/Kg		64	35 - 115
Phenanthrene	1.65	1.18		mg/Kg		72	54 - 115
Anthracene	1.65	1.19		mg/Kg		72	55 - 115
Di-n-butyl phthalate	1.65	1.27		mg/Kg		77	55 - 115
Fluoranthene	1.65	1.25		mg/Kg		76	54 - 115
Pyrene	1.65	1.22		mg/Kg		74	48 - 115
Butyl benzyl phthalate	1.65	1.26		mg/Kg		76	53 - 115
3,3'-Dichlorobenzidine	1.65	1.15		mg/Kg		70	42 - 115
Benzo[a]anthracene	1.65	1.20		mg/Kg		73	55 - 115
Bis(2-ethylhexyl) phthalate	1.65	1.34		mg/Kg		81	53 - 115
Chrysene	1.65	1.27		mg/Kg		77	58 - 115
Di-n-octyl phthalate	1.65	1.31		mg/Kg		79	53 - 115
Benzo[b]fluoranthene	1.65	1.05		mg/Kg		63	56 - 115
Benzo[a]pyrene	1.65	1.13		mg/Kg		68	55 - 115
Benzo[k]fluoranthene	1.65	1.27		mg/Kg		77	57 - 115
Indeno[1,2,3-cd]pyrene	1.65	1.22		mg/Kg		74	56 - 115
Benzo[g,h,i]perylene	1.65	1.25		mg/Kg		76	56 - 115
Benzoic acid	1.65	1.02		mg/Kg		62	10 - 115
Azobenzene	1.65	1.14		mg/Kg		69	52 - 115
Dibenz(a,h)anthracene	1.65	1.22		mg/Kg		74	58 - 115

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	66		21 - 98
2-Fluorobiphenyl	67		30 - 112
Terphenyl-d14	71		32 - 117
2-Fluorophenol	66		28 - 98
Phenol-d5	67		23 - 101
2,4,6-Tribromophenol	65		37 - 114

Lab Sample ID: LCSD 720-116270/3-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116270

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Phenol	1.66	1.11		mg/Kg		67	48 - 115	2	35
Bis(2-chloroethyl)ether	1.66	0.985		mg/Kg		59	45 - 115	8	35
2-Chlorophenol	1.66	1.11		mg/Kg		67	48 - 115	2	35
1,3-Dichlorobenzene	1.66	1.14		mg/Kg		69	41 - 115	5	35
1,4-Dichlorobenzene	1.66	1.06		mg/Kg		64	40 - 115	4	35
Benzyl alcohol	1.66	1.22		mg/Kg		74	54 - 115	3	35
1,2-Dichlorobenzene	1.66	1.11		mg/Kg		67	44 - 115	0	35
2-Methylphenol	1.66	1.09		mg/Kg		66	54 - 115	2	35
Methylphenol, 3 & 4	3.33	2.01		mg/Kg		60	42 - 115	2	35

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: LCSD 720-116270/3-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116270

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Nitrosodi-n-propylamine	1.66	1.14		mg/Kg		69	46 - 115	2	35
Hexachloroethane	1.66	1.12		mg/Kg		67	44 - 115	1	35
Nitrobenzene	1.66	1.17		mg/Kg		70	48 - 115	5	35
Isophorone	1.66	1.15		mg/Kg		69	54 - 115	4	35
2-Nitrophenol	1.66	1.15		mg/Kg		69	48 - 115	7	35
2,4-Dimethylphenol	1.66	1.08		mg/Kg		65	52 - 115	6	35
Bis(2-chloroethoxy)methane	1.66	1.14		mg/Kg		68	46 - 115	5	35
2,4-Dichlorophenol	1.66	1.17		mg/Kg		70	49 - 100	7	35
1,2,4-Trichlorobenzene	1.66	1.14		mg/Kg		69	47 - 115	4	35
Naphthalene	1.66	1.19		mg/Kg		71	44 - 115	3	35
4-Chloroaniline	1.66	0.988		mg/Kg		59	30 - 115	3	35
Hexachlorobutadiene	1.66	1.21		mg/Kg		73	44 - 115	7	35
4-Chloro-3-methylphenol	1.66	1.22		mg/Kg		73	58 - 115	7	35
2-Methylnaphthalene	1.66	1.16		mg/Kg		70	49 - 115	5	35
Hexachlorocyclopentadiene	1.66	1.29		mg/Kg		78	42 - 132	8	35
2,4,6-Trichlorophenol	1.66	1.18		mg/Kg		71	45 - 115	6	35
2,4,5-Trichlorophenol	1.66	1.09		mg/Kg		66	48 - 115	4	35
2-Chloronaphthalene	1.66	1.20		mg/Kg		72	52 - 115	4	35
2-Nitroaniline	1.66	1.20		mg/Kg		72	54 - 115	3	35
Dimethyl phthalate	1.66	1.17		mg/Kg		71	64 - 119	0	35
Acenaphthylene	1.66	1.30		mg/Kg		78	61 - 129	1	35
3-Nitroaniline	1.66	0.985		mg/Kg		59	50 - 115	1	35
Acenaphthene	1.66	1.20		mg/Kg		72	50 - 115	4	35
2,4-Dinitrophenol	1.66	1.07		mg/Kg		64	21 - 115	10	35
4-Nitrophenol	1.66	1.26		mg/Kg		76	54 - 125	3	35
Dibenzofuran	1.66	1.17		mg/Kg		70	55 - 115	1	35
2,4-Dinitrotoluene	1.66	1.23		mg/Kg		74	57 - 115	1	35
2,6-Dinitrotoluene	1.66	1.24		mg/Kg		74	54 - 119	2	35
Diethyl phthalate	1.66	1.24		mg/Kg		75	49 - 117	3	35
4-Chlorophenyl phenyl ether	1.66	1.31		mg/Kg		79	57 - 115	4	35
Fluorene	1.66	1.21		mg/Kg		73	54 - 115	2	35
4-Nitroaniline	1.66	1.23		mg/Kg		74	59 - 115	3	35
2-Methyl-4,6-dinitrophenol	1.66	1.16		mg/Kg		70	48 - 115	6	35
N-Nitrosodiphenylamine	1.66	1.15		mg/Kg		69	56 - 115	2	35
4-Bromophenyl phenyl ether	1.66	1.17		mg/Kg		70	53 - 115	1	35
Hexachlorobenzene	1.66	1.19		mg/Kg		72	55 - 115	2	35
Pentachlorophenol	1.66	1.14		mg/Kg		69	35 - 115	8	35
Phenanthrene	1.66	1.23		mg/Kg		74	54 - 115	4	35
Anthracene	1.66	1.21		mg/Kg		73	55 - 115	1	35
Di-n-butyl phthalate	1.66	1.29		mg/Kg		77	55 - 115	2	35
Fluoranthene	1.66	1.27		mg/Kg		76	54 - 115	1	35
Pyrene	1.66	1.23		mg/Kg		74	48 - 115	1	35
Butyl benzyl phthalate	1.66	1.31		mg/Kg		79	53 - 115	4	35
3,3'-Dichlorobenzidine	1.66	1.19		mg/Kg		71	42 - 115	3	35
Benzo[a]anthracene	1.66	1.27		mg/Kg		76	55 - 115	5	35
Bis(2-ethylhexyl) phthalate	1.66	1.42		mg/Kg		85	53 - 115	6	35
Chrysene	1.66	1.31		mg/Kg		79	58 - 115	3	35
Di-n-octyl phthalate	1.66	1.34		mg/Kg		81	53 - 115	2	35

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: LCSD 720-116270/3-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116270

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[b]fluoranthene	1.66	1.22		mg/Kg		74	56 - 115	16	35
Benzo[a]pyrene	1.66	1.19		mg/Kg		72	55 - 115	5	35
Benzo[k]fluoranthene	1.66	1.19		mg/Kg		72	57 - 115	7	35
Indeno[1,2,3-cd]pyrene	1.66	1.26		mg/Kg		76	56 - 115	4	35
Benzo[g,h,i]perylene	1.66	1.28		mg/Kg		77	56 - 115	3	35
Benzoic acid	1.66	1.07		mg/Kg		64	10 - 115	5	35
Azobenzene	1.66	1.15		mg/Kg		69	52 - 115	0	35
Dibenz(a,h)anthracene	1.66	1.26		mg/Kg		76	58 - 115	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5	69		21 - 98
2-Fluorobiphenyl	67		30 - 112
Terphenyl-d14	74		32 - 117
2-Fluorophenol	66		28 - 98
Phenol-d5	69		23 - 101
2,4,6-Tribromophenol	70		37 - 114

Lab Sample ID: 720-42932-21 MS

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: HA13-G27-7.5

Prep Type: Total/NA

Prep Batch: 116270

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	ND		1.66	0.997		mg/Kg		60	23 - 115
Bis(2-chloroethyl)ether	ND		1.66	0.964		mg/Kg		58	27 - 115
2-Chlorophenol	ND		1.66	1.00		mg/Kg		61	16 - 115
1,3-Dichlorobenzene	ND		1.66	1.01		mg/Kg		61	22 - 115
1,4-Dichlorobenzene	ND		1.66	0.990		mg/Kg		60	21 - 115
Benzyl alcohol	ND		1.66	1.05		mg/Kg		63	28 - 115
1,2-Dichlorobenzene	ND		1.66	1.03		mg/Kg		62	25 - 115
2-Methylphenol	ND		1.66	0.974		mg/Kg		59	32 - 115
Methylphenol, 3 & 4	ND		3.31	1.75		mg/Kg		53	28 - 115
N-Nitrosodi-n-propylamine	ND		1.66	1.07		mg/Kg		65	27 - 115
Hexachloroethane	ND		1.66	1.00		mg/Kg		60	19 - 115
Nitrobenzene	ND		1.66	1.08		mg/Kg		65	30 - 115
Isophorone	ND		1.66	1.07		mg/Kg		65	36 - 115
2-Nitrophenol	ND		1.66	1.05		mg/Kg		63	11 - 116
2,4-Dimethylphenol	ND		1.66	0.706		mg/Kg		43	36 - 115
Bis(2-chloroethoxy)methane	ND		1.66	1.05		mg/Kg		63	28 - 115
2,4-Dichlorophenol	ND		1.66	1.04		mg/Kg		63	17 - 115
1,2,4-Trichlorobenzene	ND		1.66	1.05		mg/Kg		63	29 - 115
Naphthalene	ND		1.66	1.11		mg/Kg		67	22 - 115
4-Chloroaniline	ND		1.66	0.884		mg/Kg		53	7 - 115
Hexachlorobutadiene	ND		1.66	1.09		mg/Kg		66	26 - 115
4-Chloro-3-methylphenol	ND		1.66	1.07		mg/Kg		65	42 - 115
2-Methylnaphthalene	ND		1.66	1.08		mg/Kg		65	28 - 115
Hexachlorocyclopentadiene	ND		1.66	1.16		mg/Kg		70	15 - 115
2,4,6-Trichlorophenol	ND		1.66	1.02		mg/Kg		62	25 - 115
2,4,5-Trichlorophenol	ND		1.66	1.04		mg/Kg		63	38 - 115

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: 720-42932-21 MS

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: HA13-G27-7.5

Prep Type: Total/NA

Prep Batch: 116270

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
2-Chloronaphthalene	ND		1.66	1.13		mg/Kg		68	38 - 115
2-Nitroaniline	ND		1.66	1.12		mg/Kg		68	43 - 115
Dimethyl phthalate	ND		1.66	1.14		mg/Kg		69	55 - 116
Acenaphthylene	ND		1.66	1.26		mg/Kg		76	49 - 120
3-Nitroaniline	ND		1.66	0.967		mg/Kg		58	39 - 115
Acenaphthene	ND		1.66	1.14		mg/Kg		69	42 - 115
2,4-Dinitrophenol	ND		1.66	ND		mg/Kg		23	13 - 122
4-Nitrophenol	ND		1.66	1.21		mg/Kg		73	25 - 147
Dibenzofuran	ND		1.66	1.13		mg/Kg		68	43 - 115
2,4-Dinitrotoluene	ND		1.66	1.18		mg/Kg		71	47 - 115
2,6-Dinitrotoluene	ND		1.66	1.17		mg/Kg		71	55 - 115
Diethyl phthalate	ND		1.66	1.18		mg/Kg		71	48 - 115
4-Chlorophenyl phenyl ether	ND		1.66	1.27		mg/Kg		76	44 - 115
Fluorene	ND		1.66	1.17		mg/Kg		71	41 - 115
4-Nitroaniline	ND		1.66	1.18		mg/Kg		71	47 - 120
2-Methyl-4,6-dinitrophenol	ND		1.66	0.802		mg/Kg		48	19 - 132
N-Nitrosodiphenylamine	ND		1.66	1.10		mg/Kg		67	43 - 115
4-Bromophenyl phenyl ether	ND		1.66	1.12		mg/Kg		67	45 - 115
Hexachlorobenzene	ND		1.66	1.15		mg/Kg		69	48 - 115
Pentachlorophenol	ND		1.66	0.901		mg/Kg		54	7 - 132
Phenanthrene	ND		1.66	1.17		mg/Kg		70	38 - 115
Anthracene	ND		1.66	1.15		mg/Kg		69	47 - 115
Di-n-butyl phthalate	ND		1.66	1.22		mg/Kg		74	46 - 115
Fluoranthene	ND		1.66	1.21		mg/Kg		73	40 - 115
Pyrene	ND		1.66	1.16		mg/Kg		70	35 - 115
Butyl benzyl phthalate	ND		1.66	1.21		mg/Kg		73	40 - 115
3,3'-Dichlorobenzidine	ND		1.66	0.881		mg/Kg		53	17 - 115
Benzo[a]anthracene	ND		1.66	1.16		mg/Kg		70	42 - 115
Bis(2-ethylhexyl) phthalate	ND		1.66	1.32		mg/Kg		79	42 - 115
Chrysene	ND		1.66	1.24		mg/Kg		75	37 - 115
Di-n-octyl phthalate	ND		1.66	1.26		mg/Kg		76	46 - 115
Benzo[b]fluoranthene	ND		1.66	1.05		mg/Kg		63	43 - 115
Benzo[a]pyrene	ND		1.66	1.08		mg/Kg		65	48 - 115
Benzo[k]fluoranthene	ND		1.66	1.16		mg/Kg		70	39 - 115
Indeno[1,2,3-cd]pyrene	ND		1.66	1.18		mg/Kg		71	50 - 115
Benzo[g,h,i]perylene	ND		1.66	1.22		mg/Kg		73	43 - 115
Benzoic acid	ND		1.66	0.354		mg/Kg		17	0 - 115
Azobenzene	ND		1.66	1.12		mg/Kg		67	48 - 115
Dibenz(a,h)anthracene	ND		1.66	1.19		mg/Kg		72	49 - 115

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	63		21 - 98
2-Fluorobiphenyl	64		30 - 112
Terphenyl-d14	68		32 - 117
2-Fluorophenol	59		28 - 98
Phenol-d5	63		23 - 101
2,4,6-Tribromophenol	61		37 - 114

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: 720-42932-21 MSD

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: HA13-G27-7.5

Prep Type: Total/NA

Prep Batch: 116270

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Phenol	ND		1.66	1.17		mg/Kg		70	23 - 115	16	35
Bis(2-chloroethyl)ether	ND		1.66	1.06		mg/Kg		64	27 - 115	9	35
2-Chlorophenol	ND		1.66	1.16		mg/Kg		70	16 - 115	14	35
1,3-Dichlorobenzene	ND		1.66	1.19		mg/Kg		72	22 - 115	16	35
1,4-Dichlorobenzene	ND		1.66	1.11		mg/Kg		67	21 - 115	11	35
Benzyl alcohol	ND		1.66	1.24		mg/Kg		75	28 - 115	17	35
1,2-Dichlorobenzene	ND		1.66	1.18		mg/Kg		71	25 - 115	14	35
2-Methylphenol	ND		1.66	1.13		mg/Kg		68	32 - 115	15	35
Methylphenol, 3 & 4	ND		3.32	2.03		mg/Kg		61	28 - 115	14	35
N-Nitrosodi-n-propylamine	ND		1.66	1.25		mg/Kg		75	27 - 115	15	35
Hexachloroethane	ND		1.66	1.16		mg/Kg		70	19 - 115	15	35
Nitrobenzene	ND		1.66	1.28		mg/Kg		77	30 - 115	17	35
Isophorone	ND		1.66	1.27		mg/Kg		77	36 - 115	17	35
2-Nitrophenol	ND		1.66	1.25		mg/Kg		75	11 - 116	17	35
2,4-Dimethylphenol	ND		1.66	0.872		mg/Kg		53	36 - 115	21	35
Bis(2-chloroethoxy)methane	ND		1.66	1.24		mg/Kg		75	28 - 115	17	35
2,4-Dichlorophenol	ND		1.66	1.23		mg/Kg		74	17 - 115	16	35
1,2,4-Trichlorobenzene	ND		1.66	1.25		mg/Kg		76	29 - 115	18	35
Naphthalene	ND		1.66	1.32		mg/Kg		79	22 - 115	17	35
4-Chloroaniline	ND		1.66	1.08		mg/Kg		65	7 - 115	20	35
Hexachlorobutadiene	ND		1.66	1.29		mg/Kg		78	26 - 115	17	35
4-Chloro-3-methylphenol	ND		1.66	1.29		mg/Kg		78	42 - 115	18	35
2-Methylnaphthalene	ND		1.66	1.28		mg/Kg		77	28 - 115	18	35
Hexachlorocyclopentadiene	ND		1.66	1.38		mg/Kg		83	15 - 115	17	35
2,4,6-Trichlorophenol	ND		1.66	1.26		mg/Kg		76	25 - 115	21	35
2,4,5-Trichlorophenol	ND		1.66	1.24		mg/Kg		75	38 - 115	17	35
2-Chloronaphthalene	ND		1.66	1.35		mg/Kg		81	38 - 115	18	35
2-Nitroaniline	ND		1.66	1.33		mg/Kg		80	43 - 115	17	35
Dimethyl phthalate	ND		1.66	1.32		mg/Kg		79	55 - 116	15	35
Acenaphthylene	ND		1.66	1.47		mg/Kg		89	49 - 120	16	35
3-Nitroaniline	ND		1.66	1.14		mg/Kg		69	39 - 115	16	35
Acenaphthene	ND		1.66	1.35		mg/Kg		82	42 - 115	17	35
2,4-Dinitrophenol	ND		1.66	ND		mg/Kg		27	13 - 122	14	35
4-Nitrophenol	ND		1.66	1.44		mg/Kg		87	25 - 147	18	35
Dibenzofuran	ND		1.66	1.32		mg/Kg		80	43 - 115	16	35
2,4-Dinitrotoluene	ND		1.66	1.37		mg/Kg		82	47 - 115	15	35
2,6-Dinitrotoluene	ND		1.66	1.37		mg/Kg		82	55 - 115	16	35
Diethyl phthalate	ND		1.66	1.37		mg/Kg		83	48 - 115	15	35
4-Chlorophenyl phenyl ether	ND		1.66	1.46		mg/Kg		88	44 - 115	14	35
Fluorene	ND		1.66	1.36		mg/Kg		82	41 - 115	15	35
4-Nitroaniline	ND		1.66	1.35		mg/Kg		82	47 - 120	13	35
2-Methyl-4,6-dinitrophenol	ND		1.66	0.981		mg/Kg		59	19 - 132	20	35
N-Nitrosodiphenylamine	ND		1.66	1.30		mg/Kg		79	43 - 115	17	35
4-Bromophenyl phenyl ether	ND		1.66	1.33		mg/Kg		80	45 - 115	17	35
Hexachlorobenzene	ND		1.66	1.35		mg/Kg		81	48 - 115	16	35
Pentachlorophenol	ND		1.66	1.09		mg/Kg		66	7 - 132	19	35
Phenanthrene	ND		1.66	1.37		mg/Kg		83	38 - 115	16	35
Anthracene	ND		1.66	1.37		mg/Kg		82	47 - 115	18	35

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: 720-42932-21 MSD

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: HA13-G27-7.5

Prep Type: Total/NA

Prep Batch: 116270

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier		Result	Qualifier						
Di-n-butyl phthalate	ND		1.66	1.43		mg/Kg		86	46 - 115	16	35
Fluoranthene	ND		1.66	1.42		mg/Kg		85	40 - 115	16	35
Pyrene	ND		1.66	1.44		mg/Kg		87	35 - 115	22	35
Butyl benzyl phthalate	ND		1.66	1.44		mg/Kg		87	40 - 115	17	35
3,3'-Dichlorobenzidine	ND		1.66	1.10		mg/Kg		66	17 - 115	22	35
Benzo[a]anthracene	ND		1.66	1.38		mg/Kg		83	42 - 115	17	35
Bis(2-ethylhexyl) phthalate	ND		1.66	1.56		mg/Kg		94	42 - 115	17	35
Chrysene	ND		1.66	1.48		mg/Kg		89	37 - 115	18	35
Di-n-octyl phthalate	ND		1.66	1.50		mg/Kg		90	46 - 115	17	35
Benzo[b]fluoranthene	ND		1.66	1.23		mg/Kg		74	43 - 115	16	35
Benzo[a]pyrene	ND		1.66	1.29		mg/Kg		78	48 - 115	18	35
Benzo[k]fluoranthene	ND		1.66	1.47		mg/Kg		89	39 - 115	23	35
Indeno[1,2,3-cd]pyrene	ND		1.66	1.40		mg/Kg		84	50 - 115	17	35
Benzo[g,h,i]perylene	ND		1.66	1.42		mg/Kg		86	43 - 115	16	35
Benzoic acid	ND		1.66	0.414		mg/Kg		20	0 - 115	16	35
Azobenzene	ND		1.66	1.28		mg/Kg		77	48 - 115	14	35
Dibenz(a,h)anthracene	ND		1.66	1.41		mg/Kg		85	49 - 115	17	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	75		21 - 98
2-Fluorobiphenyl	78		30 - 112
Terphenyl-d14	83		32 - 117
2-Fluorophenol	67		28 - 98
Phenol-d5	73		23 - 101
2,4,6-Tribromophenol	72		37 - 114

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

Lab Sample ID: MB 720-116201/1-A

Matrix: Solid

Analysis Batch: 116330

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116201

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		06/27/12 09:08	06/30/12 02:52	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 09:08	06/30/12 02:52	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
p-Terphenyl	98		40 - 130	06/27/12 09:08	06/30/12 02:52	1

Lab Sample ID: LCS 720-116201/2-A

Matrix: Solid

Analysis Batch: 116330

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116201

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Diesel Range Organics [C10-C28]	82.6	67.9		mg/Kg		82	50 - 150

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

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

Lab Sample ID: LCS 720-116201/2-A
Matrix: Solid
Analysis Batch: 116330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116201

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	76		40 - 130

Lab Sample ID: LCSD 720-116201/3-A
Matrix: Solid
Analysis Batch: 116330

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116201

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.8	62.4		mg/Kg		75	50 - 150	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
p-Terphenyl	78		40 - 130

Lab Sample ID: 720-42932-1 MS
Matrix: Solid
Analysis Batch: 116330

Client Sample ID: HA50-G55-7.5
Prep Type: Total/NA
Prep Batch: 116201

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	1.9		82.7	55.4		mg/Kg		65	50 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
p-Terphenyl	64		40 - 130

Lab Sample ID: 720-42932-1 MSD
Matrix: Solid
Analysis Batch: 116330

Client Sample ID: HA50-G55-7.5
Prep Type: Total/NA
Prep Batch: 116201

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	1.9		82.4	53.6		mg/Kg		63	50 - 150	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
p-Terphenyl	63		40 - 130

Lab Sample ID: MB 720-116230/1-A
Matrix: Solid
Analysis Batch: 116331

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116230

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/27/12 14:17	06/29/12 17:31	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 14:17	06/29/12 17:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	95		40 - 130	06/27/12 14:17	06/29/12 17:31	1

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

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

Lab Sample ID: LCS 720-116230/2-A

Matrix: Solid

Analysis Batch: 116331

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116230

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.3	66.1		mg/Kg		80	50 - 150
Surrogate		LCS %Recovery	LCS Qualifier				Limits
<i>p-Terphenyl</i>		70					40 - 130

Lab Sample ID: LCSD 720-116230/3-A

Matrix: Solid

Analysis Batch: 116331

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116230

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.1	64.7		mg/Kg		79	50 - 150	2	35
Surrogate		LCSD %Recovery	LCSD Qualifier				Limits		
<i>p-Terphenyl</i>		68					40 - 130		

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 720-116212/1-A

Matrix: Solid

Analysis Batch: 116274

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		48		ug/Kg		06/27/12 11:13	06/29/12 01:03	1
PCB-1221	ND		48		ug/Kg		06/27/12 11:13	06/29/12 01:03	1
PCB-1232	ND		48		ug/Kg		06/27/12 11:13	06/29/12 01:03	1
PCB-1242	ND		48		ug/Kg		06/27/12 11:13	06/29/12 01:03	1
PCB-1248	ND		48		ug/Kg		06/27/12 11:13	06/29/12 01:03	1
PCB-1254	ND		48		ug/Kg		06/27/12 11:13	06/29/12 01:03	1
PCB-1260	ND		48		ug/Kg		06/27/12 11:13	06/29/12 01:03	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	86		32 - 112				06/27/12 11:13	06/29/12 01:03	1
<i>DCB Decachlorobiphenyl</i>	94		2 - 122				06/27/12 11:13	06/29/12 01:03	1

Lab Sample ID: LCS 720-116212/2-A

Matrix: Solid

Analysis Batch: 116274

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	132	131		ug/Kg		99	65 - 120
PCB-1260	132	134		ug/Kg		102	65 - 120
Surrogate		LCS %Recovery	LCS Qualifier				Limits
<i>Tetrachloro-m-xylene</i>		95					32 - 112
<i>DCB Decachlorobiphenyl</i>		98					2 - 122

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS D 720-116212/3-A

Matrix: Solid

Analysis Batch: 116274

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116212

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
PCB-1016	132	130		ug/Kg		99	65 - 120	0	20	
PCB-1260	132	135		ug/Kg		102	65 - 120	0	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	93		32 - 112
DCB Decachlorobiphenyl	99		2 - 122

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-116263/1-A

Matrix: Solid

Analysis Batch: 116320

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116263

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		0.50		mg/Kg		06/27/12 21:00	06/28/12 19:22	1
Arsenic	ND		1.0		mg/Kg		06/27/12 21:00	06/28/12 19:22	1
Barium	ND		0.50		mg/Kg		06/27/12 21:00	06/28/12 19:22	1
Beryllium	ND		0.10		mg/Kg		06/27/12 21:00	06/28/12 19:22	1
Cadmium	ND		0.13		mg/Kg		06/27/12 21:00	06/28/12 19:22	1
Chromium	ND		0.50		mg/Kg		06/27/12 21:00	06/28/12 19:22	1
Cobalt	ND		0.20		mg/Kg		06/27/12 21:00	06/28/12 19:22	1
Copper	ND		1.5		mg/Kg		06/27/12 21:00	06/28/12 19:22	1
Lead	ND		0.50		mg/Kg		06/27/12 21:00	06/28/12 19:22	1
Molybdenum	ND		0.50		mg/Kg		06/27/12 21:00	06/28/12 19:22	1
Nickel	ND		0.50		mg/Kg		06/27/12 21:00	06/28/12 19:22	1
Selenium	ND		1.0		mg/Kg		06/27/12 21:00	06/28/12 19:22	1
Silver	ND		0.25		mg/Kg		06/27/12 21:00	06/28/12 19:22	1
Thallium	ND		0.50		mg/Kg		06/27/12 21:00	06/28/12 19:22	1
Vanadium	ND		0.50		mg/Kg		06/27/12 21:00	06/28/12 19:22	1
Zinc	ND		1.5		mg/Kg		06/27/12 21:00	06/28/12 19:22	1

Lab Sample ID: LCS 720-116263/2-A

Matrix: Solid

Analysis Batch: 116320

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	RPD
Antimony	50.0	49.4		mg/Kg		99	80 - 120	
Arsenic	50.0	49.3		mg/Kg		99	80 - 120	
Barium	50.0	51.2		mg/Kg		102	80 - 120	
Beryllium	50.0	50.5		mg/Kg		101	80 - 120	
Cadmium	50.0	50.6		mg/Kg		101	80 - 120	
Chromium	50.0	49.2		mg/Kg		98	80 - 120	
Cobalt	50.0	51.0		mg/Kg		102	80 - 120	
Copper	50.0	50.0		mg/Kg		100	80 - 120	
Lead	50.0	50.4		mg/Kg		101	80 - 120	
Molybdenum	50.0	50.5		mg/Kg		101	80 - 120	
Nickel	50.0	49.9		mg/Kg		100	80 - 120	
Selenium	50.0	48.1		mg/Kg		96	80 - 120	
Silver	25.0	25.1		mg/Kg		100	80 - 120	

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

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

Lab Sample ID: LCS 720-116263/2-A
Matrix: Solid
Analysis Batch: 116320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	50.0	50.5		mg/Kg		101	80 - 120
Vanadium	50.0	49.9		mg/Kg		100	80 - 120
Zinc	50.0	49.8		mg/Kg		100	80 - 120

Lab Sample ID: LCSD 720-116263/3-A
Matrix: Solid
Analysis Batch: 116320

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116263

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	50.0	49.7		mg/Kg		99	80 - 120	1	20
Arsenic	50.0	49.7		mg/Kg		99	80 - 120	1	20
Barium	50.0	51.2		mg/Kg		102	80 - 120	0	20
Beryllium	50.0	50.7		mg/Kg		101	80 - 120	0	20
Cadmium	50.0	50.7		mg/Kg		101	80 - 120	0	20
Chromium	50.0	49.7		mg/Kg		99	80 - 120	1	20
Cobalt	50.0	51.3		mg/Kg		103	80 - 120	1	20
Copper	50.0	50.4		mg/Kg		101	80 - 120	1	20
Lead	50.0	50.8		mg/Kg		102	80 - 120	1	20
Molybdenum	50.0	50.9		mg/Kg		102	80 - 120	1	20
Nickel	50.0	50.5		mg/Kg		101	80 - 120	1	20
Selenium	50.0	48.8		mg/Kg		98	80 - 120	1	20
Silver	25.0	25.2		mg/Kg		101	80 - 120	1	20
Thallium	50.0	50.9		mg/Kg		102	80 - 120	1	20
Vanadium	50.0	50.1		mg/Kg		100	80 - 120	0	20
Zinc	50.0	50.1		mg/Kg		100	80 - 120	1	20

Lab Sample ID: MB 720-116265/1-A
Matrix: Solid
Analysis Batch: 116319

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116265

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		06/27/12 21:44	06/28/12 19:17	1
Arsenic	ND		1.0		mg/Kg		06/27/12 21:44	06/28/12 19:17	1
Barium	ND		0.50		mg/Kg		06/27/12 21:44	06/28/12 19:17	1
Beryllium	ND		0.10		mg/Kg		06/27/12 21:44	06/28/12 19:17	1
Cadmium	ND		0.13		mg/Kg		06/27/12 21:44	06/28/12 19:17	1
Chromium	ND		0.50		mg/Kg		06/27/12 21:44	06/28/12 19:17	1
Cobalt	ND		0.20		mg/Kg		06/27/12 21:44	06/28/12 19:17	1
Copper	ND		1.5		mg/Kg		06/27/12 21:44	06/28/12 19:17	1
Lead	ND		0.50		mg/Kg		06/27/12 21:44	06/28/12 19:17	1
Molybdenum	ND		0.50		mg/Kg		06/27/12 21:44	06/28/12 19:17	1
Nickel	ND		0.50		mg/Kg		06/27/12 21:44	06/28/12 19:17	1
Selenium	ND		1.0		mg/Kg		06/27/12 21:44	06/28/12 19:17	1
Silver	ND		0.25		mg/Kg		06/27/12 21:44	06/28/12 19:17	1
Thallium	ND		0.50		mg/Kg		06/27/12 21:44	06/28/12 19:17	1
Vanadium	ND		0.50		mg/Kg		06/27/12 21:44	06/28/12 19:17	1
Zinc	ND		1.5		mg/Kg		06/27/12 21:44	06/28/12 19:17	1

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

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

Lab Sample ID: LCS 720-116265/2-A

Matrix: Solid

Analysis Batch: 116319

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116265

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	49.9		mg/Kg		100	80 - 120
Arsenic	50.0	50.6		mg/Kg		101	80 - 120
Barium	50.0	52.4		mg/Kg		105	80 - 120
Beryllium	50.0	51.7		mg/Kg		103	80 - 120
Cadmium	50.0	51.3		mg/Kg		103	80 - 120
Chromium	50.0	52.1		mg/Kg		104	80 - 120
Cobalt	50.0	52.1		mg/Kg		104	80 - 120
Copper	50.0	51.7		mg/Kg		103	80 - 120
Lead	50.0	52.3		mg/Kg		105	80 - 120
Molybdenum	50.0	52.6		mg/Kg		105	80 - 120
Nickel	50.0	52.4		mg/Kg		105	80 - 120
Selenium	50.0	48.1		mg/Kg		96	80 - 120
Silver	25.0	25.7		mg/Kg		103	80 - 120
Thallium	50.0	51.8		mg/Kg		104	80 - 120
Vanadium	50.0	52.6		mg/Kg		105	80 - 120
Zinc	50.0	51.4		mg/Kg		103	80 - 120

Lab Sample ID: LCSD 720-116265/3-A

Matrix: Solid

Analysis Batch: 116319

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116265

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	50.0	49.8		mg/Kg		100	80 - 120	0	20
Arsenic	50.0	50.5		mg/Kg		101	80 - 120	0	20
Barium	50.0	52.5		mg/Kg		105	80 - 120	0	20
Beryllium	50.0	51.8		mg/Kg		104	80 - 120	0	20
Cadmium	50.0	51.2		mg/Kg		102	80 - 120	0	20
Chromium	50.0	52.4		mg/Kg		105	80 - 120	1	20
Cobalt	50.0	52.0		mg/Kg		104	80 - 120	0	20
Copper	50.0	51.9		mg/Kg		104	80 - 120	0	20
Lead	50.0	52.1		mg/Kg		104	80 - 120	0	20
Molybdenum	50.0	52.6		mg/Kg		105	80 - 120	0	20
Nickel	50.0	52.3		mg/Kg		105	80 - 120	0	20
Selenium	50.0	48.0		mg/Kg		96	80 - 120	0	20
Silver	25.0	25.8		mg/Kg		103	80 - 120	1	20
Thallium	50.0	51.8		mg/Kg		104	80 - 120	0	20
Vanadium	50.0	53.1		mg/Kg		106	80 - 120	1	20
Zinc	50.0	51.1		mg/Kg		102	80 - 120	0	20

Lab Sample ID: 720-42932-14 MS

Matrix: Solid

Analysis Batch: 116319

Client Sample ID: HA42-G46-2.0

Prep Type: Total/NA

Prep Batch: 116265

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		49.5	17.2	F	mg/Kg		33	75 - 125
Arsenic	6.4		49.5	57.6		mg/Kg		104	75 - 125
Barium	160		49.5	223	F	mg/Kg		127	75 - 125
Beryllium	ND		49.5	59.6		mg/Kg		120	75 - 125
Cadmium	ND		49.5	52.6		mg/Kg		106	75 - 125
Chromium	75		49.5	133		mg/Kg		118	75 - 125

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

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

Lab Sample ID: 720-42932-14 MS

Matrix: Solid

Analysis Batch: 116319

Client Sample ID: HA42-G46-2.0

Prep Type: Total/NA

Prep Batch: 116265

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Cobalt	15		49.5	66.5		mg/Kg		104	75 - 125
Copper	31		49.5	87.7		mg/Kg		115	75 - 125
Lead	8.4		49.5	60.7		mg/Kg		106	75 - 125
Molybdenum	ND		49.5	51.4		mg/Kg		103	75 - 125
Nickel	100		49.5	156		mg/Kg		110	75 - 125
Selenium	ND		49.5	49.3		mg/Kg		100	75 - 125
Silver	ND		24.8	29.4		mg/Kg		119	75 - 125
Thallium	ND		49.5	52.6		mg/Kg		106	75 - 125
Vanadium	37		49.5	95.0		mg/Kg		118	75 - 125
Zinc	62		49.5	114		mg/Kg		105	75 - 125

Lab Sample ID: 720-42932-14 MSD

Matrix: Solid

Analysis Batch: 116319

Client Sample ID: HA42-G46-2.0

Prep Type: Total/NA

Prep Batch: 116265

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Antimony	ND		49.0	18.0	F	mg/Kg		35	75 - 125	5	20
Arsenic	6.4		49.0	62.5		mg/Kg		115	75 - 125	8	20
Barium	160		49.0	237	F	mg/Kg		158	75 - 125	6	20
Beryllium	ND		49.0	70.8	F	mg/Kg		145	75 - 125	17	20
Cadmium	ND		49.0	57.0		mg/Kg		116	75 - 125	8	20
Chromium	75		49.0	140	F	mg/Kg		133	75 - 125	5	20
Cobalt	15		49.0	71.3		mg/Kg		115	75 - 125	7	20
Copper	31		49.0	97.2	F	mg/Kg		136	75 - 125	10	20
Lead	8.4		49.0	66.1		mg/Kg		118	75 - 125	8	20
Molybdenum	ND		49.0	56.1		mg/Kg		114	75 - 125	9	20
Nickel	100		49.0	158		mg/Kg		115	75 - 125	1	20
Selenium	ND		49.0	53.0		mg/Kg		108	75 - 125	7	20
Silver	ND		24.5	32.9	F	mg/Kg		134	75 - 125	11	20
Thallium	ND		49.0	56.6		mg/Kg		116	75 - 125	7	20
Vanadium	37		49.0	106	F	mg/Kg		141	75 - 125	11	20
Zinc	62		49.0	115		mg/Kg		109	75 - 125	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-116318/1-A

Matrix: Solid

Analysis Batch: 116369

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116318

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.010		mg/Kg		06/28/12 21:20	06/29/12 19:04	1

Lab Sample ID: LCS 720-116318/2-A

Matrix: Solid

Analysis Batch: 116369

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116318

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

QC Sample Results

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

TestAmerica Job ID: 720-42932-1

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

Lab Sample ID: LCSD 720-116318/3-A
Matrix: Solid
Analysis Batch: 116369

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116318

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.908		mg/Kg		109	80 - 120	3	20

Lab Sample ID: 720-42932-1 MS
Matrix: Solid
Analysis Batch: 116369

Client Sample ID: HA50-G55-7.5
Prep Type: Total/NA
Prep Batch: 116318

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.056		0.806	1.20	F	mg/Kg		142	75 - 125

Lab Sample ID: 720-42932-1 MSD
Matrix: Solid
Analysis Batch: 116369

Client Sample ID: HA50-G55-7.5
Prep Type: Total/NA
Prep Batch: 116318

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.056		0.806	1.19	F	mg/Kg		140	75 - 125	1	20

Lab Sample ID: MB 720-116367/1-A
Matrix: Solid
Analysis Batch: 116466

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116367

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		06/29/12 19:40	07/02/12 16:24	1

Lab Sample ID: LCS 720-116367/2-A
Matrix: Solid
Analysis Batch: 116466

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116367

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.917		mg/Kg		110	80 - 120

Lab Sample ID: LCSD 720-116367/3-A
Matrix: Solid
Analysis Batch: 116466

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116367

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.958		mg/Kg		115	80 - 120	4	20

Lab Sample ID: 720-42932-21 MS
Matrix: Solid
Analysis Batch: 116466

Client Sample ID: HA13-G27-7.5
Prep Type: Total/NA
Prep Batch: 116367

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.13		0.725	1.20	F	mg/Kg		148	75 - 125

Lab Sample ID: 720-42932-21 MSD
Matrix: Solid
Analysis Batch: 116466

Client Sample ID: HA13-G27-7.5
Prep Type: Total/NA
Prep Batch: 116367

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.13		0.735	1.18	F	mg/Kg		142	75 - 125	2	20

QC Association Summary

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

TestAmerica Job ID: 720-42932-1

GC/MS VOA

Analysis Batch: 116197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-1	HA50-G55-7.5	Total/NA	Solid	8260B/CA_LUFT MS	116206
720-42932-2	HA48-G52-2.0	Total/NA	Solid	8260B/CA_LUFT MS	116206
720-42932-3	HA49-G52-7.5	Total/NA	Solid	8260B/CA_LUFT MS	116206
720-42932-4	HA46-G50-2.0	Total/NA	Solid	8260B/CA_LUFT MS	116206
720-42932-5	HA47-G50-7.5	Total/NA	Solid	8260B/CA_LUFT MS	116206
720-42932-6	HA45-G48-7.5	Total/NA	Solid	8260B/CA_LUFT MS	116206
720-42932-7	HA37-G43-5.0	Total/NA	Solid	8260B/CA_LUFT MS	116206
720-42932-8	HA32-G39-2.0	Total/NA	Solid	8260B/CA_LUFT MS	116206
720-42932-9	HA12-G27-2.0	Total/NA	Solid	8260B/CA_LUFT MS	116206
720-42932-10	HA14-G28-7.5	Total/NA	Solid	8260B/CA_LUFT MS	116206
LCS 720-116206/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	116206
LCSD 720-116206/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	116206
MB 720-116206/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	116206

Prep Batch: 116206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-1	HA50-G55-7.5	Total/NA	Solid	5030B	
720-42932-2	HA48-G52-2.0	Total/NA	Solid	5030B	
720-42932-3	HA49-G52-7.5	Total/NA	Solid	5030B	
720-42932-4	HA46-G50-2.0	Total/NA	Solid	5030B	
720-42932-5	HA47-G50-7.5	Total/NA	Solid	5030B	
720-42932-6	HA45-G48-7.5	Total/NA	Solid	5030B	
720-42932-7	HA37-G43-5.0	Total/NA	Solid	5030B	
720-42932-8	HA32-G39-2.0	Total/NA	Solid	5030B	
720-42932-9	HA12-G27-2.0	Total/NA	Solid	5030B	
720-42932-10	HA14-G28-7.5	Total/NA	Solid	5030B	
LCS 720-116206/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-116206/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-116206/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 116233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-11	HA38-G43-7.5	Total/NA	Solid	8260B/CA_LUFT MS	116249
720-42932-12	HA39-G44-2.0	Total/NA	Solid	8260B/CA_LUFT MS	116249
720-42932-13	HA40-G44-5.0	Total/NA	Solid	8260B/CA_LUFT MS	116249
720-42932-14	HA42-G46-2.0	Total/NA	Solid	8260B/CA_LUFT MS	116249
720-42932-15	HA43-G46-5.0	Total/NA	Solid	8260B/CA_LUFT MS	116249
720-42932-16	HA44-G47-2.0	Total/NA	Solid	8260B/CA_LUFT MS	116249

QC Association Summary

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

TestAmerica Job ID: 720-42932-1

GC/MS VOA (Continued)

Analysis Batch: 116233 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-17	HA41-G45-7.5	Total/NA	Solid	8260B/CA_LUFT MS	116249
720-42932-18	HA34-G41-5.0	Total/NA	Solid	8260B/CA_LUFT MS	116249
720-42932-19	HA35-G41-7.5	Total/NA	Solid	8260B/CA_LUFT MS	116249
720-42932-21	HA13-G27-7.5	Total/NA	Solid	8260B/CA_LUFT MS	116249
LCS 720-116249/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	116249
LCSD 720-116249/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	116249
MB 720-116249/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	116249

Prep Batch: 116249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-11	HA38-G43-7.5	Total/NA	Solid	5030B	
720-42932-12	HA39-G44-2.0	Total/NA	Solid	5030B	
720-42932-13	HA40-G44-5.0	Total/NA	Solid	5030B	
720-42932-14	HA42-G46-2.0	Total/NA	Solid	5030B	
720-42932-15	HA43-G46-5.0	Total/NA	Solid	5030B	
720-42932-16	HA44-G47-2.0	Total/NA	Solid	5030B	
720-42932-17	HA41-G45-7.5	Total/NA	Solid	5030B	
720-42932-18	HA34-G41-5.0	Total/NA	Solid	5030B	
720-42932-19	HA35-G41-7.5	Total/NA	Solid	5030B	
720-42932-21	HA13-G27-7.5	Total/NA	Solid	5030B	
LCS 720-116249/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-116249/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-116249/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 116358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-20	HA33-G40-5.0	Total/NA	Solid	8260B/CA_LUFT MS	116366
LCS 720-116366/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	116366
LCSD 720-116366/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	116366
MB 720-116366/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	116366

Prep Batch: 116366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-20	HA33-G40-5.0	Total/NA	Solid	5030B	
LCS 720-116366/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-116366/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-116366/1-A	Method Blank	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 116203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-1	HA50-G55-7.5	Total/NA	Solid	3546	
720-42932-2	HA48-G52-2.0	Total/NA	Solid	3546	

QC Association Summary

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

TestAmerica Job ID: 720-42932-1

GC/MS Semi VOA (Continued)

Prep Batch: 116203 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-2 MS	HA48-G52-2.0	Total/NA	Solid	3546	
720-42932-2 MSD	HA48-G52-2.0	Total/NA	Solid	3546	
720-42932-3	HA49-G52-7.5	Total/NA	Solid	3546	
720-42932-4	HA46-G50-2.0	Total/NA	Solid	3546	
720-42932-5	HA47-G50-7.5	Total/NA	Solid	3546	
720-42932-6	HA45-G48-7.5	Total/NA	Solid	3546	
720-42932-7	HA37-G43-5.0	Total/NA	Solid	3546	
720-42932-8	HA32-G39-2.0	Total/NA	Solid	3546	
720-42932-9	HA12-G27-2.0	Total/NA	Solid	3546	
720-42932-10	HA14-G28-7.5	Total/NA	Solid	3546	
720-42932-11	HA38-G43-7.5	Total/NA	Solid	3546	
720-42932-12	HA39-G44-2.0	Total/NA	Solid	3546	
720-42932-13	HA40-G44-5.0	Total/NA	Solid	3546	
720-42932-14	HA42-G46-2.0	Total/NA	Solid	3546	
720-42932-15	HA43-G46-5.0	Total/NA	Solid	3546	
720-42932-16	HA44-G47-2.0	Total/NA	Solid	3546	
720-42932-17	HA41-G45-7.5	Total/NA	Solid	3546	
720-42932-18	HA34-G41-5.0	Total/NA	Solid	3546	
720-42932-19	HA35-G41-7.5	Total/NA	Solid	3546	
720-42932-20	HA33-G40-5.0	Total/NA	Solid	3546	
LCS 720-116203/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-116203/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-116203/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 116208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-1	HA50-G55-7.5	Total/NA	Solid	8270C	116203
720-42932-2	HA48-G52-2.0	Total/NA	Solid	8270C	116203
720-42932-2 MS	HA48-G52-2.0	Total/NA	Solid	8270C	116203
720-42932-2 MSD	HA48-G52-2.0	Total/NA	Solid	8270C	116203
720-42932-3	HA49-G52-7.5	Total/NA	Solid	8270C	116203
720-42932-4	HA46-G50-2.0	Total/NA	Solid	8270C	116203
720-42932-5	HA47-G50-7.5	Total/NA	Solid	8270C	116203
720-42932-6	HA45-G48-7.5	Total/NA	Solid	8270C	116203
720-42932-7	HA37-G43-5.0	Total/NA	Solid	8270C	116203
720-42932-9	HA12-G27-2.0	Total/NA	Solid	8270C	116203
720-42932-10	HA14-G28-7.5	Total/NA	Solid	8270C	116203
720-42932-11	HA38-G43-7.5	Total/NA	Solid	8270C	116203
720-42932-12	HA39-G44-2.0	Total/NA	Solid	8270C	116203
720-42932-13	HA40-G44-5.0	Total/NA	Solid	8270C	116203
720-42932-14	HA42-G46-2.0	Total/NA	Solid	8270C	116203
720-42932-15	HA43-G46-5.0	Total/NA	Solid	8270C	116203
720-42932-16	HA44-G47-2.0	Total/NA	Solid	8270C	116203
720-42932-17	HA41-G45-7.5	Total/NA	Solid	8270C	116203
720-42932-18	HA34-G41-5.0	Total/NA	Solid	8270C	116203
720-42932-19	HA35-G41-7.5	Total/NA	Solid	8270C	116203
720-42932-20	HA33-G40-5.0	Total/NA	Solid	8270C	116203
LCS 720-116203/2-A	Lab Control Sample	Total/NA	Solid	8270C	116203
LCSD 720-116203/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	116203
MB 720-116203/1-A	Method Blank	Total/NA	Solid	8270C	116203

QC Association Summary

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

TestAmerica Job ID: 720-42932-1

GC/MS Semi VOA (Continued)

Prep Batch: 116270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-21	HA13-G27-7.5	Total/NA	Solid	3546	
720-42932-21 MS	HA13-G27-7.5	Total/NA	Solid	3546	
720-42932-21 MSD	HA13-G27-7.5	Total/NA	Solid	3546	
LCS 720-116270/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-116270/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-116270/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 116340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-8	HA32-G39-2.0	Total/NA	Solid	8270C	116203
720-42932-21	HA13-G27-7.5	Total/NA	Solid	8270C	116270
720-42932-21 MS	HA13-G27-7.5	Total/NA	Solid	8270C	116270
720-42932-21 MSD	HA13-G27-7.5	Total/NA	Solid	8270C	116270
LCS 720-116270/2-A	Lab Control Sample	Total/NA	Solid	8270C	116270
LCSD 720-116270/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	116270
MB 720-116270/1-A	Method Blank	Total/NA	Solid	8270C	116270

GC Semi VOA

Prep Batch: 116201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-1	HA50-G55-7.5	Total/NA	Solid	3546	
720-42932-1 MS	HA50-G55-7.5	Total/NA	Solid	3546	
720-42932-1 MSD	HA50-G55-7.5	Total/NA	Solid	3546	
720-42932-2	HA48-G52-2.0	Total/NA	Solid	3546	
720-42932-3	HA49-G52-7.5	Total/NA	Solid	3546	
720-42932-4	HA46-G50-2.0	Total/NA	Solid	3546	
720-42932-5	HA47-G50-7.5	Total/NA	Solid	3546	
720-42932-6	HA45-G48-7.5	Total/NA	Solid	3546	
720-42932-7	HA37-G43-5.0	Total/NA	Solid	3546	
720-42932-8	HA32-G39-2.0	Total/NA	Solid	3546	
720-42932-9	HA12-G27-2.0	Total/NA	Solid	3546	
720-42932-10	HA14-G28-7.5	Total/NA	Solid	3546	
720-42932-11	HA38-G43-7.5	Total/NA	Solid	3546	
720-42932-12	HA39-G44-2.0	Total/NA	Solid	3546	
720-42932-13	HA40-G44-5.0	Total/NA	Solid	3546	
720-42932-14	HA42-G46-2.0	Total/NA	Solid	3546	
720-42932-15	HA43-G46-5.0	Total/NA	Solid	3546	
720-42932-16	HA44-G47-2.0	Total/NA	Solid	3546	
720-42932-17	HA41-G45-7.5	Total/NA	Solid	3546	
720-42932-18	HA34-G41-5.0	Total/NA	Solid	3546	
720-42932-19	HA35-G41-7.5	Total/NA	Solid	3546	
720-42932-20	HA33-G40-5.0	Total/NA	Solid	3546	
LCS 720-116201/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-116201/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-116201/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 116212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-4	HA46-G50-2.0	Total/NA	Solid	3546	
720-42932-17	HA41-G45-7.5	Total/NA	Solid	3546	
720-42932-21	HA13-G27-7.5	Total/NA	Solid	3546	

QC Association Summary

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

TestAmerica Job ID: 720-42932-1

GC Semi VOA (Continued)

Prep Batch: 116212 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-116212/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-116212/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-116212/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 116230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-21	HA13-G27-7.5	Total/NA	Solid	3546	
LCS 720-116230/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-116230/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-116230/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 116274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-4	HA46-G50-2.0	Total/NA	Solid	8082	116212
720-42932-17	HA41-G45-7.5	Total/NA	Solid	8082	116212
720-42932-21	HA13-G27-7.5	Total/NA	Solid	8082	116212
LCS 720-116212/2-A	Lab Control Sample	Total/NA	Solid	8082	116212
LCSD 720-116212/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	116212
MB 720-116212/1-A	Method Blank	Total/NA	Solid	8082	116212

Analysis Batch: 116330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-1	HA50-G55-7.5	Total/NA	Solid	8015B	116201
720-42932-1 MS	HA50-G55-7.5	Total/NA	Solid	8015B	116201
720-42932-1 MSD	HA50-G55-7.5	Total/NA	Solid	8015B	116201
720-42932-2	HA48-G52-2.0	Total/NA	Solid	8015B	116201
720-42932-3	HA49-G52-7.5	Total/NA	Solid	8015B	116201
720-42932-4	HA46-G50-2.0	Total/NA	Solid	8015B	116201
720-42932-5	HA47-G50-7.5	Total/NA	Solid	8015B	116201
720-42932-6	HA45-G48-7.5	Total/NA	Solid	8015B	116201
720-42932-7	HA37-G43-5.0	Total/NA	Solid	8015B	116201
720-42932-8	HA32-G39-2.0	Total/NA	Solid	8015B	116201
720-42932-9	HA12-G27-2.0	Total/NA	Solid	8015B	116201
720-42932-10	HA14-G28-7.5	Total/NA	Solid	8015B	116201
720-42932-11	HA38-G43-7.5	Total/NA	Solid	8015B	116201
720-42932-12	HA39-G44-2.0	Total/NA	Solid	8015B	116201
720-42932-13	HA40-G44-5.0	Total/NA	Solid	8015B	116201
720-42932-14	HA42-G46-2.0	Total/NA	Solid	8015B	116201
720-42932-15	HA43-G46-5.0	Total/NA	Solid	8015B	116201
720-42932-16	HA44-G47-2.0	Total/NA	Solid	8015B	116201
720-42932-17	HA41-G45-7.5	Total/NA	Solid	8015B	116201
720-42932-18	HA34-G41-5.0	Total/NA	Solid	8015B	116201
720-42932-19	HA35-G41-7.5	Total/NA	Solid	8015B	116201
720-42932-20	HA33-G40-5.0	Total/NA	Solid	8015B	116201
LCS 720-116201/2-A	Lab Control Sample	Total/NA	Solid	8015B	116201
LCSD 720-116201/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	116201
MB 720-116201/1-A	Method Blank	Total/NA	Solid	8015B	116201

Analysis Batch: 116331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-21	HA13-G27-7.5	Total/NA	Solid	8015B	116230
LCS 720-116230/2-A	Lab Control Sample	Total/NA	Solid	8015B	116230



QC Association Summary

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

TestAmerica Job ID: 720-42932-1

GC Semi VOA (Continued)

Analysis Batch: 116331 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 720-116230/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	116230
MB 720-116230/1-A	Method Blank	Total/NA	Solid	8015B	116230

Metals

Prep Batch: 116263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-1	HA50-G55-7.5	Total/NA	Solid	3050B	
720-42932-2	HA48-G52-2.0	Total/NA	Solid	3050B	
720-42932-3	HA49-G52-7.5	Total/NA	Solid	3050B	
720-42932-4	HA46-G50-2.0	Total/NA	Solid	3050B	
720-42932-5	HA47-G50-7.5	Total/NA	Solid	3050B	
720-42932-6	HA45-G48-7.5	Total/NA	Solid	3050B	
720-42932-7	HA37-G43-5.0	Total/NA	Solid	3050B	
720-42932-8	HA32-G39-2.0	Total/NA	Solid	3050B	
720-42932-9	HA12-G27-2.0	Total/NA	Solid	3050B	
720-42932-10	HA14-G28-7.5	Total/NA	Solid	3050B	
720-42932-11	HA38-G43-7.5	Total/NA	Solid	3050B	
720-42932-12	HA39-G44-2.0	Total/NA	Solid	3050B	
720-42932-13	HA40-G44-5.0	Total/NA	Solid	3050B	
LCS 720-116263/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-116263/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
MB 720-116263/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 116265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-14	HA42-G46-2.0	Total/NA	Solid	3050B	
720-42932-14 MS	HA42-G46-2.0	Total/NA	Solid	3050B	
720-42932-14 MSD	HA42-G46-2.0	Total/NA	Solid	3050B	
720-42932-15	HA43-G46-5.0	Total/NA	Solid	3050B	
720-42932-16	HA44-G47-2.0	Total/NA	Solid	3050B	
720-42932-17	HA41-G45-7.5	Total/NA	Solid	3050B	
720-42932-18	HA34-G41-5.0	Total/NA	Solid	3050B	
720-42932-19	HA35-G41-7.5	Total/NA	Solid	3050B	
720-42932-20	HA33-G40-5.0	Total/NA	Solid	3050B	
720-42932-21	HA13-G27-7.5	Total/NA	Solid	3050B	
LCS 720-116265/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-116265/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
MB 720-116265/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 116318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-1	HA50-G55-7.5	Total/NA	Solid	7471A	
720-42932-1 MS	HA50-G55-7.5	Total/NA	Solid	7471A	
720-42932-1 MSD	HA50-G55-7.5	Total/NA	Solid	7471A	
720-42932-2	HA48-G52-2.0	Total/NA	Solid	7471A	
720-42932-3	HA49-G52-7.5	Total/NA	Solid	7471A	
720-42932-4	HA46-G50-2.0	Total/NA	Solid	7471A	
720-42932-5	HA47-G50-7.5	Total/NA	Solid	7471A	
720-42932-6	HA45-G48-7.5	Total/NA	Solid	7471A	
720-42932-7	HA37-G43-5.0	Total/NA	Solid	7471A	
720-42932-8	HA32-G39-2.0	Total/NA	Solid	7471A	

QC Association Summary

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

TestAmerica Job ID: 720-42932-1

Metals (Continued)

Prep Batch: 116318 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-9	HA12-G27-2.0	Total/NA	Solid	7471A	
720-42932-10	HA14-G28-7.5	Total/NA	Solid	7471A	
720-42932-11	HA38-G43-7.5	Total/NA	Solid	7471A	
720-42932-12	HA39-G44-2.0	Total/NA	Solid	7471A	
720-42932-13	HA40-G44-5.0	Total/NA	Solid	7471A	
720-42932-14	HA42-G46-2.0	Total/NA	Solid	7471A	
720-42932-15	HA43-G46-5.0	Total/NA	Solid	7471A	
720-42932-16	HA44-G47-2.0	Total/NA	Solid	7471A	
720-42932-17	HA41-G45-7.5	Total/NA	Solid	7471A	
720-42932-18	HA34-G41-5.0	Total/NA	Solid	7471A	
720-42932-19	HA35-G41-7.5	Total/NA	Solid	7471A	
720-42932-20	HA33-G40-5.0	Total/NA	Solid	7471A	
LCS 720-116318/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-116318/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-116318/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 116319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-14	HA42-G46-2.0	Total/NA	Solid	6010B	116265
720-42932-14 MS	HA42-G46-2.0	Total/NA	Solid	6010B	116265
720-42932-14 MSD	HA42-G46-2.0	Total/NA	Solid	6010B	116265
720-42932-15	HA43-G46-5.0	Total/NA	Solid	6010B	116265
720-42932-16	HA44-G47-2.0	Total/NA	Solid	6010B	116265
720-42932-17	HA41-G45-7.5	Total/NA	Solid	6010B	116265
720-42932-18	HA34-G41-5.0	Total/NA	Solid	6010B	116265
720-42932-19	HA35-G41-7.5	Total/NA	Solid	6010B	116265
720-42932-20	HA33-G40-5.0	Total/NA	Solid	6010B	116265
720-42932-21	HA13-G27-7.5	Total/NA	Solid	6010B	116265
LCS 720-116265/2-A	Lab Control Sample	Total/NA	Solid	6010B	116265
LCSD 720-116265/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	116265
MB 720-116265/1-A	Method Blank	Total/NA	Solid	6010B	116265

Analysis Batch: 116320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-1	HA50-G55-7.5	Total/NA	Solid	6010B	116263
720-42932-2	HA48-G52-2.0	Total/NA	Solid	6010B	116263
720-42932-3	HA49-G52-7.5	Total/NA	Solid	6010B	116263
720-42932-4	HA46-G50-2.0	Total/NA	Solid	6010B	116263
720-42932-5	HA47-G50-7.5	Total/NA	Solid	6010B	116263
720-42932-6	HA45-G48-7.5	Total/NA	Solid	6010B	116263
720-42932-7	HA37-G43-5.0	Total/NA	Solid	6010B	116263
720-42932-8	HA32-G39-2.0	Total/NA	Solid	6010B	116263
720-42932-9	HA12-G27-2.0	Total/NA	Solid	6010B	116263
720-42932-10	HA14-G28-7.5	Total/NA	Solid	6010B	116263
720-42932-11	HA38-G43-7.5	Total/NA	Solid	6010B	116263
720-42932-12	HA39-G44-2.0	Total/NA	Solid	6010B	116263
720-42932-13	HA40-G44-5.0	Total/NA	Solid	6010B	116263
LCS 720-116263/2-A	Lab Control Sample	Total/NA	Solid	6010B	116263
LCSD 720-116263/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	116263
MB 720-116263/1-A	Method Blank	Total/NA	Solid	6010B	116263

QC Association Summary

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

TestAmerica Job ID: 720-42932-1

Metals (Continued)

Prep Batch: 116367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-21	HA13-G27-7.5	Total/NA	Solid	7471A	
720-42932-21 MS	HA13-G27-7.5	Total/NA	Solid	7471A	
720-42932-21 MSD	HA13-G27-7.5	Total/NA	Solid	7471A	
LCS 720-116367/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-116367/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-116367/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 116369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-1	HA50-G55-7.5	Total/NA	Solid	7471A	116318
720-42932-1 MS	HA50-G55-7.5	Total/NA	Solid	7471A	116318
720-42932-1 MSD	HA50-G55-7.5	Total/NA	Solid	7471A	116318
720-42932-2	HA48-G52-2.0	Total/NA	Solid	7471A	116318
720-42932-3	HA49-G52-7.5	Total/NA	Solid	7471A	116318
720-42932-4	HA46-G50-2.0	Total/NA	Solid	7471A	116318
720-42932-5	HA47-G50-7.5	Total/NA	Solid	7471A	116318
720-42932-6	HA45-G48-7.5	Total/NA	Solid	7471A	116318
720-42932-7	HA37-G43-5.0	Total/NA	Solid	7471A	116318
720-42932-8	HA32-G39-2.0	Total/NA	Solid	7471A	116318
720-42932-9	HA12-G27-2.0	Total/NA	Solid	7471A	116318
720-42932-10	HA14-G28-7.5	Total/NA	Solid	7471A	116318
720-42932-11	HA38-G43-7.5	Total/NA	Solid	7471A	116318
720-42932-12	HA39-G44-2.0	Total/NA	Solid	7471A	116318
720-42932-13	HA40-G44-5.0	Total/NA	Solid	7471A	116318
720-42932-14	HA42-G46-2.0	Total/NA	Solid	7471A	116318
720-42932-15	HA43-G46-5.0	Total/NA	Solid	7471A	116318
720-42932-16	HA44-G47-2.0	Total/NA	Solid	7471A	116318
720-42932-17	HA41-G45-7.5	Total/NA	Solid	7471A	116318
720-42932-18	HA34-G41-5.0	Total/NA	Solid	7471A	116318
720-42932-19	HA35-G41-7.5	Total/NA	Solid	7471A	116318
720-42932-20	HA33-G40-5.0	Total/NA	Solid	7471A	116318
LCS 720-116318/2-A	Lab Control Sample	Total/NA	Solid	7471A	116318
LCSD 720-116318/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	116318
MB 720-116318/1-A	Method Blank	Total/NA	Solid	7471A	116318

Analysis Batch: 116466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-21	HA13-G27-7.5	Total/NA	Solid	7471A	116367
720-42932-21 MS	HA13-G27-7.5	Total/NA	Solid	7471A	116367
720-42932-21 MSD	HA13-G27-7.5	Total/NA	Solid	7471A	116367
LCS 720-116367/2-A	Lab Control Sample	Total/NA	Solid	7471A	116367
LCSD 720-116367/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	116367
MB 720-116367/1-A	Method Blank	Total/NA	Solid	7471A	116367

Analysis Batch: 116521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42932-8	HA32-G39-2.0	Total/NA	Solid	6010B	116263

Lab Chronicle

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA50-G55-7.5

Lab Sample ID: 720-42932-1

Date Collected: 06/25/12 11:20

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116206	06/27/12 07:30	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116197	06/27/12 12:24	AC	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/27/12 19:25	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/29/12 19:58	JZ	TAL SF
Total/NA	Prep	3050B			116263	06/27/12 21:00	ET	TAL SF
Total/NA	Analysis	6010B		4	116320	06/28/12 20:27	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 20:20	SK	TAL SF

Client Sample ID: HA48-G52-2.0

Lab Sample ID: 720-42932-2

Date Collected: 06/25/12 11:35

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116206	06/27/12 07:30	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116197	06/27/12 13:51	AC	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/27/12 19:49	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/29/12 20:22	JZ	TAL SF
Total/NA	Prep	3050B			116263	06/27/12 21:00	ET	TAL SF
Total/NA	Analysis	6010B		4	116320	06/28/12 20:32	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 19:23	SK	TAL SF

Client Sample ID: HA49-G52-7.5

Lab Sample ID: 720-42932-3

Date Collected: 06/25/12 11:45

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116206	06/27/12 07:30	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116197	06/27/12 14:20	AC	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/27/12 21:00	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/29/12 20:46	JZ	TAL SF
Total/NA	Prep	3050B			116263	06/27/12 21:00	ET	TAL SF
Total/NA	Analysis	6010B		4	116320	06/28/12 20:36	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 19:26	SK	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA46-G50-2.0

Lab Sample ID: 720-42932-4

Date Collected: 06/25/12 12:00

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116206	06/27/12 07:30	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116197	06/27/12 14:49	AC	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/27/12 21:24	ML	TAL SF
Total/NA	Prep	3546			116212	06/27/12 11:16	AM	TAL SF
Total/NA	Analysis	8082		1	116274	06/29/12 03:37	EC	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/29/12 21:11	JZ	TAL SF
Total/NA	Prep	3050B			116263	06/27/12 21:00	ET	TAL SF
Total/NA	Analysis	6010B		4	116320	06/28/12 20:40	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 19:34	SK	TAL SF

Client Sample ID: HA47-G50-7.5

Lab Sample ID: 720-42932-5

Date Collected: 06/25/12 12:05

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116206	06/27/12 07:30	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116197	06/27/12 15:18	AC	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/27/12 21:48	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/29/12 21:35	JZ	TAL SF
Total/NA	Prep	3050B			116263	06/27/12 21:00	ET	TAL SF
Total/NA	Analysis	6010B		4	116320	06/28/12 20:45	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 19:36	SK	TAL SF

Client Sample ID: HA45-G48-7.5

Lab Sample ID: 720-42932-6

Date Collected: 06/25/12 12:25

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116206	06/27/12 07:30	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116197	06/27/12 15:47	AC	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/27/12 22:12	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/29/12 22:00	JZ	TAL SF
Total/NA	Prep	3050B			116263	06/27/12 21:00	ET	TAL SF
Total/NA	Analysis	6010B		4	116320	06/28/12 20:49	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 19:38	SK	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA37-G43-5.0

Lab Sample ID: 720-42932-7

Date Collected: 06/25/12 13:30

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116206	06/27/12 07:30	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116197	06/27/12 16:17	AC	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/27/12 22:36	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/29/12 22:24	JZ	TAL SF
Total/NA	Prep	3050B			116263	06/27/12 21:00	ET	TAL SF
Total/NA	Analysis	6010B		4	116320	06/28/12 20:53	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 19:40	SK	TAL SF

Client Sample ID: HA32-G39-2.0

Lab Sample ID: 720-42932-8

Date Collected: 06/25/12 15:06

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116206	06/27/12 07:30	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116197	06/27/12 16:46	AC	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 14:15	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/29/12 22:48	JZ	TAL SF
Total/NA	Prep	3050B			116263	06/27/12 21:00	ET	TAL SF
Total/NA	Analysis	6010B		4	116320	06/28/12 21:07	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 19:43	SK	TAL SF
Total/NA	Analysis	6010B		2.5	116521	07/03/12 11:38	BA	TAL SF

Client Sample ID: HA12-G27-2.0

Lab Sample ID: 720-42932-9

Date Collected: 06/25/12 15:20

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116206	06/27/12 07:30	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116197	06/27/12 17:15	AC	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/27/12 23:00	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/29/12 23:13	JZ	TAL SF
Total/NA	Prep	3050B			116263	06/27/12 21:00	ET	TAL SF
Total/NA	Analysis	6010B		4	116320	06/28/12 21:11	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 19:45	SK	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA14-G28-7.5

Lab Sample ID: 720-42932-10

Date Collected: 06/25/12 15:40

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116206	06/27/12 07:30	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116197	06/27/12 17:44	AC	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/27/12 23:24	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/29/12 23:37	JZ	TAL SF
Total/NA	Prep	3050B			116263	06/27/12 21:00	ET	TAL SF
Total/NA	Analysis	6010B		4	116320	06/28/12 21:15	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 19:47	SK	TAL SF

Client Sample ID: HA38-G43-7.5

Lab Sample ID: 720-42932-11

Date Collected: 06/25/12 13:35

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116249	06/27/12 16:00	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116233	06/27/12 20:59	LL	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/27/12 23:48	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/30/12 00:01	JZ	TAL SF
Total/NA	Prep	3050B			116263	06/27/12 21:00	ET	TAL SF
Total/NA	Analysis	6010B		4	116320	06/28/12 21:20	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 19:49	SK	TAL SF

Client Sample ID: HA39-G44-2.0

Lab Sample ID: 720-42932-12

Date Collected: 06/25/12 13:45

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116249	06/27/12 16:00	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116233	06/27/12 21:28	LL	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/28/12 00:12	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/30/12 00:26	JZ	TAL SF
Total/NA	Prep	3050B			116263	06/27/12 21:00	ET	TAL SF
Total/NA	Analysis	6010B		4	116320	06/28/12 21:24	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 19:51	SK	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA40-G44-5.0

Lab Sample ID: 720-42932-13

Date Collected: 06/25/12 13:50

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116249	06/27/12 16:00	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116233	06/27/12 21:57	LL	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/28/12 00:35	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/30/12 00:50	JZ	TAL SF
Total/NA	Prep	3050B			116263	06/27/12 21:00	ET	TAL SF
Total/NA	Analysis	6010B		4	116320	06/28/12 21:28	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 19:54	SK	TAL SF

Client Sample ID: HA42-G46-2.0

Lab Sample ID: 720-42932-14

Date Collected: 06/25/12 14:00

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116249	06/27/12 16:00	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116233	06/27/12 22:26	LL	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/28/12 00:59	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/30/12 01:15	JZ	TAL SF
Total/NA	Prep	3050B			116265	06/27/12 21:44	ET	TAL SF
Total/NA	Analysis	6010B		4	116319	06/28/12 19:38	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 20:02	SK	TAL SF

Client Sample ID: HA43-G46-5.0

Lab Sample ID: 720-42932-15

Date Collected: 06/25/12 14:10

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116249	06/27/12 16:00	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116233	06/27/12 22:55	LL	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/28/12 01:23	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/30/12 01:39	JZ	TAL SF
Total/NA	Prep	3050B			116265	06/27/12 21:44	ET	TAL SF
Total/NA	Analysis	6010B		4	116319	06/28/12 19:46	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 20:05	SK	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA44-G47-2.0

Lab Sample ID: 720-42932-16

Date Collected: 06/25/12 14:15

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116249	06/27/12 16:00	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116233	06/27/12 23:24	LL	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/28/12 01:47	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/30/12 04:29	JZ	TAL SF
Total/NA	Prep	3050B			116265	06/27/12 21:44	ET	TAL SF
Total/NA	Analysis	6010B		4	116319	06/28/12 19:50	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 20:08	SK	TAL SF

Client Sample ID: HA41-G45-7.5

Lab Sample ID: 720-42932-17

Date Collected: 06/25/12 14:30

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116249	06/27/12 16:00	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116233	06/27/12 23:53	LL	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/28/12 02:11	ML	TAL SF
Total/NA	Prep	3546			116212	06/27/12 11:16	AM	TAL SF
Total/NA	Analysis	8082		1	116274	06/29/12 03:55	EC	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/30/12 04:53	JZ	TAL SF
Total/NA	Prep	3050B			116265	06/27/12 21:44	ET	TAL SF
Total/NA	Analysis	6010B		4	116319	06/28/12 19:54	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 20:10	SK	TAL SF

Client Sample ID: HA34-G41-5.0

Lab Sample ID: 720-42932-18

Date Collected: 06/25/12 14:43

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116249	06/27/12 16:00	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116233	06/28/12 00:22	LL	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/28/12 02:34	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/30/12 05:18	JZ	TAL SF
Total/NA	Prep	3050B			116265	06/27/12 21:44	ET	TAL SF
Total/NA	Analysis	6010B		4	116319	06/28/12 20:07	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 20:13	SK	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42932-1

Client Sample ID: HA35-G41-7.5

Lab Sample ID: 720-42932-19

Date Collected: 06/25/12 14:46

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116249	06/27/12 16:00	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116233	06/28/12 00:51	LL	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/28/12 02:58	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/30/12 05:42	JZ	TAL SF
Total/NA	Prep	3050B			116265	06/27/12 21:44	ET	TAL SF
Total/NA	Analysis	6010B		4	116319	06/28/12 20:12	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 20:15	SK	TAL SF

Client Sample ID: HA33-G40-5.0

Lab Sample ID: 720-42932-20

Date Collected: 06/25/12 15:00

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116366	06/29/12 19:37	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116358	06/29/12 23:58	AC	TAL SF
Total/NA	Prep	3546			116203	06/27/12 09:15	MP	TAL SF
Total/NA	Analysis	8270C		1	116208	06/28/12 03:22	ML	TAL SF
Total/NA	Prep	3546			116201	06/27/12 09:08	MP	TAL SF
Total/NA	Analysis	8015B		1	116330	06/30/12 06:06	JZ	TAL SF
Total/NA	Prep	3050B			116265	06/27/12 21:44	ET	TAL SF
Total/NA	Analysis	6010B		4	116319	06/28/12 20:16	BA	TAL SF
Total/NA	Prep	7471A			116318	06/28/12 21:20	SK	TAL SF
Total/NA	Analysis	7471A		1	116369	06/29/12 20:18	SK	TAL SF

Client Sample ID: HA13-G27-7.5

Lab Sample ID: 720-42932-21

Date Collected: 06/25/12 15:25

Matrix: Solid

Date Received: 06/25/12 18:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116249	06/27/12 16:00	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116233	06/28/12 01:50	LL	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 14:39	ML	TAL SF
Total/NA	Prep	3546			116212	06/27/12 11:16	AM	TAL SF
Total/NA	Analysis	8082		1	116274	06/29/12 04:12	EC	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/30/12 02:27	JZ	TAL SF
Total/NA	Prep	3050B			116265	06/27/12 21:44	ET	TAL SF
Total/NA	Analysis	6010B		4	116319	06/28/12 20:20	BA	TAL SF
Total/NA	Prep	7471A			116367	06/29/12 19:40	SK	TAL SF
Total/NA	Analysis	7471A		1	116466	07/02/12 17:09	CAM	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42932-1

Laboratory References:

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

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Certification Summary

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

TestAmerica Job ID: 720-42932-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Pleasanton	California	State Program	9	2496

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.

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Method Summary

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

TestAmerica Job ID: 720-42932-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL SF
8270C	Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL SF
6010B	Metals (ICP)	SW846	TAL SF
7471A	Mercury (CVAA)	SW846	TAL SF

Protocol References:

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

Laboratory References:

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



Sample Summary

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

TestAmerica Job ID: 720-42932-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-42932-1	HA50-G55-7.5	Solid	06/25/12 11:20	06/25/12 18:25
720-42932-2	HA48-G52-2.0	Solid	06/25/12 11:35	06/25/12 18:25
720-42932-3	HA49-G52-7.5	Solid	06/25/12 11:45	06/25/12 18:25
720-42932-4	HA46-G50-2.0	Solid	06/25/12 12:00	06/25/12 18:25
720-42932-5	HA47-G50-7.5	Solid	06/25/12 12:05	06/25/12 18:25
720-42932-6	HA45-G48-7.5	Solid	06/25/12 12:25	06/25/12 18:25
720-42932-7	HA37-G43-5.0	Solid	06/25/12 13:30	06/25/12 18:25
720-42932-8	HA32-G39-2.0	Solid	06/25/12 15:06	06/25/12 18:25
720-42932-9	HA12-G27-2.0	Solid	06/25/12 15:20	06/25/12 18:25
720-42932-10	HA14-G28-7.5	Solid	06/25/12 15:40	06/25/12 18:25
720-42932-11	HA38-G43-7.5	Solid	06/25/12 13:35	06/25/12 18:25
720-42932-12	HA39-G44-2.0	Solid	06/25/12 13:45	06/25/12 18:25
720-42932-13	HA40-G44-5.0	Solid	06/25/12 13:50	06/25/12 18:25
720-42932-14	HA42-G46-2.0	Solid	06/25/12 14:00	06/25/12 18:25
720-42932-15	HA43-G46-5.0	Solid	06/25/12 14:10	06/25/12 18:25
720-42932-16	HA44-G47-2.0	Solid	06/25/12 14:15	06/25/12 18:25
720-42932-17	HA41-G45-7.5	Solid	06/25/12 14:30	06/25/12 18:25
720-42932-18	HA34-G41-5.0	Solid	06/25/12 14:43	06/25/12 18:25
720-42932-19	HA35-G41-7.5	Solid	06/25/12 14:46	06/25/12 18:25
720-42932-20	HA33-G40-5.0	Solid	06/25/12 15:00	06/25/12 18:25
720-42932-21	HA13-G27-7.5	Solid	06/25/12 15:25	06/25/12 18:25

HALEY & ALDRICH

Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, CA 94596

720-42932

CHAIN OF CUSTODY RECORD

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

Page 1 of 3

139115

H&A FILE NO.	39048-000	LABORATORY	TestAmerica Pleasanton	DELIVERY DATE	
PROJECT NAME	Former Hansons Stockpile	ADDRESS	1220 Quarry Lane, Pleasanton, CA	TURNAROUND TIME	Standard
H&A CONTACT	Jessica Bernardini 925.949.1027	CONTACT	925.484.1919	PROJECT MANAGER	Dimple Sharma

Sample No.	Date	Time	Depth	Type	Analysis Requested												Number of Containers	Comments (special instructions, precautions, additional method numbers, etc.)			
					SVOCs by EPA 8270C	VOCs by EPA 8260B	TPH by EPA 8015	Heavy Metals by 7471A-CAM17	Pesticides by EPA 881A, 8141A	pH	Asbestos by CARR 435	PCB by EPA 8082									
01. HA50-G55-7.5	6/25/2012	1120	7.5	S	X																
02. HA48-G52-2.0	6/25/2012	1135	2.0	S	X																
03. HA49-G52-7.5	6/25/2012	1145	7.5	S	X																
04. HA46-G50-2.0	6/25/2012	1200	2.0	S	X										X						
05. HA47-G50-7.5	6/25/2012	1209	7.5	S	X																
06. HA45-G48-7.5	6/25/2012	1225	7.5	S	X																
07. HA37-G43-5.0	6/25/2012	1330	5.0	S	X																
08. HA32-G39-2.0	6/25/2012	1506	2.0	S	X																
09. HA12-G27-2.0	6/25/2012	1520	2.0	S	X																
10. HA14-G26-7.5	6/25/2012	1540	7.5	S	X																

Sampled and Relinquished by		Received by		LIQUID				Sampling Comments					
Sign <i>Rae Brown</i>	Sign <i>Ty Bunk</i>												
Print Rae Brownberger	Print TBW/LOC												
Firm HAI	Firm TEST AMERICA												
Date 6/25/2012 Time 1825	Date 6/25/12 Time 1825												
Relinquished by		Received by		SOLID				Evidence samples were tampered with? YES NO					
Sign	Sign												
Print	Print												
Firm	Firm												
Date	Time	Date	Time										
Relinquished by		Received by		PRESERVATION KEY				If YES, please explain in section below.					
Sign	Sign			A Sample chilled	C NaOH	E H ₂ SO ₄	G Methanol						
Print	Print			B Sample filtered	D HNO ₃	F HCL	H Water/NaHSO4 (circle)						
Firm	Firm												
Date	Time	Date	Time										

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) _____ analyze

Required Reporting Limits and Data Quality Objectives

<input type="checkbox"/> RC-S1	<input type="checkbox"/> S1	<input type="checkbox"/> GW1
<input type="checkbox"/> RC-S2	<input type="checkbox"/> S2	<input type="checkbox"/> GW2
<input type="checkbox"/> RC-GW1	<input type="checkbox"/> S3	<input type="checkbox"/> GW3
<input type="checkbox"/> RC-GW2		

HALEY & ALDRICH

Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, CA 94596

720-42932

CHAIN OF CUSTODY RECORD

Phone (617) 886-7400
Fax (617) 886-7600
Page 2 of 3

139115

H&A FILE NO. 39048-000 LABORATORY TestAmerica Pleasanton DELIVERY DATE
PROJECT NAME Former Hansons Stockpile ADDRESS 1220 Quarry Lane, Pleasanton, CA TURNAROUND TIME Standard
H&A CONTACT Jessica Bernardini 925.949.1027 CONTACT 925.484.1919 PROJECT MANAGER Dimple Sharma

Sample No.	Date	Time	Depth (ft)	Type	Analysis Requested												Number of Containers	Comments (special instructions, precautions, additional method numbers, etc.)
					SVOCs by EPA 8270C	VOCs by EPA 8260B	PH by EPA 801.5	Heavy Metals by 471A-CAM17	Pesticides by EPA 8081A, 8141A	PH	Ashes by CARB 435	PCB by EPA 8082						
11. HA36-G43-7.5	6/25/12	1335	7.5	S	X		X	X										
12. HA39-G44-2.0	6/25/12	1345	2.0	S	X		X	X										
13. HA40-G44-5.0	6/25/12	1350	5.0	S	X		X	X										
14. HA42-G46-2.0	6/25/12	1400	2.0	S	X		X	X										
15. HA43-G46-5.0	6/25/12	1410	5.0	S	X		X	X										
16. HA44-G47-2.0	6/25/12	1415	2.0	S	X		X	X										
17. HA41-G45-7.5	6/25/12	1430	7.5	S	X		X	X						X				
18. HA34-G41-5.0	6/25/12	1443	5.0	S	X		X	X										
19. HA35-G41-7.5	6/25/12	1446	7.5	S	X		X	X										
20. HA33-G40-5.0	6/25/12	1500	5.0	S	X		X	X										

Sampled and Relinquished by	Received by	LIQUID	Sampling Comments
Sign: <i>[Signature]</i> Print: Rae Brownberger Firm: HAI Date: 6/25/12 Time: 1825	Sign: <i>[Signature]</i> Print: TIBULLOCK Firm: TEST AMERICA Date: 6/25/12 Time: 1825	VOA Vial Amber Glass Plastic Bottle Preservative Volume	
Relinquished by	Received by	SOLID	Evidence samples were tampered with? YES NO
Sign: _____ Print: _____ Firm: _____ Date: _____ Time: _____	Sign: _____ Print: _____ Firm: _____ Date: _____ Time: _____	VOA Vial Amber Glass Clear Glass Preservative Volume	If YES, please explain in section below.
Relinquished by	Received by	PRESERVATION KEY	
Sign: _____ Print: _____ Firm: _____ Date: _____ Time: _____	Sign: _____ Print: _____ Firm: _____ Date: _____ Time: _____	A Sample chilled C NaOH E H ₂ SO ₄ G Methanol B Sample filtered D HNO ₃ F HCL H Water/NaHSO ₄ (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) _____ analyze

Required Reporting Limits and Data Quality Objectives

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



Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, CA 94596

720-42932

CHAIN OF CUSTODY RECORD

Phone (617) 886-7400
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Page 3 of 3

139115

H&A FILE NO. 39048-000 LABORATORY TestAmerica Pleasanton DELIVERY DATE
PROJECT NAME Former Hansons Stockpile ADDRESS 1220 Quarry Lane, Pleasanton, CA TURNAROUND TIME Standard
H&A CONTACT Jessica Bernardini 925.949.1027 CONTACT 925.484.1919 PROJECT MANAGER Dimple Sharma

Sample No.	Date	Time	Depth	Type	Analysis Requested											Number of Containers	Comments (special instructions, precautions, additional method numbers, etc.)
					SVOCs by EPA 8270C	VOCs by EPA 8260B	TPH by EPA 8015	Heavy Metals by 7471A-CAM17	Residues by EPA 8081A, 8141A	pH	Ashes by CARB 435	PCB by EPA 8062					
21. HA13-627-7.5	6/25/12	1525	7.5	S	X	X	X	X	X							1	

Sampled and Relinquished by Sign: <i>[Signature]</i> Print: Rae Brownsberger Firm: HA1 Date: 6/25/12 Time: 1825	Received by Sign: <i>[Signature]</i> Print: T. Bullough Firm: TEST America Date: 6/25/12 Time: 18:25	LIQUID VOA Vial Amber Glass Plastic Bottle Preservative Volume	Sampling Comments
--	---	--	--------------------------

Relinquished by Sign: Print: Firm: Date: Time:	Received by Sign: Print: Firm: Date: Time:	SOLID VOA Vial Amber Glass Clear Glass Preservative Volume	Evidence samples were tampered with? YES NO If YES, please explain in section below.
---	---	--	---

PRESERVATION KEY A Sample chilled C NaOH E H ₂ SO ₄ G Methanol B Sample filtered D HNO ₃ F HCL H Water/NaHSO ₄ (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.

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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

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 720-42932-1

Login Number: 42932

List Number: 1

Creator: Bullock, Tracy

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

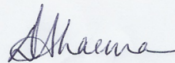
ANALYTICAL REPORT

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

TestAmerica Job ID: 720-42947-1
Client Project/Site: Hansen
Revision: 1

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

Attn: Jessica Bernardini



Authorized for release by:
7/16/2012 9:50:14 AM

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

LINKS

Review your project
results through
Total Access

Have a Question?



Visit us at:
www.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.

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Definitions/Glossary

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

TestAmerica Job ID: 720-42947-1

Qualifiers

Metals

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

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
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

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

TestAmerica Job ID: 720-42947-1

Job ID: 720-42947-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-42947-1

Comments

No additional comments.

Receipt

The samples were received on 6/26/2012 3:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 4.7° C and 6.0° C.

GC/MS VOA

Method 8260B: Internal standard responses were outside of acceptance limits for the following sample 42947-18MS.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method 8270C: The following sample was diluted due to the abundance of non-target analytes: HA25-G35-5.0 (720-42947-12), HA11-G26-5.0 (720-42947-20). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method 8082: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 116212 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 116515 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 7471A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 116465 were outside control limits. The associated laboratory control sample (LCS) recovery 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: 720-42947-1

Client Sample ID: HA15-G29-10.0

Lab Sample ID: 720-42947-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.0		3.8		mg/Kg	4		6010B	Total/NA
Barium	230		1.9		mg/Kg	4		6010B	Total/NA
Beryllium	0.39		0.38		mg/Kg	4		6010B	Total/NA
Chromium	95		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	20		0.75		mg/Kg	4		6010B	Total/NA
Copper	43		5.7		mg/Kg	4		6010B	Total/NA
Lead	10		1.9		mg/Kg	4		6010B	Total/NA
Nickel	160		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	42		1.9		mg/Kg	4		6010B	Total/NA
Zinc	71		5.7		mg/Kg	4		6010B	Total/NA
Mercury	0.070		0.0098		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA16-G31-2.0

Lab Sample ID: 720-42947-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.5		4.0		mg/Kg	4		6010B	Total/NA
Barium	260		2.0		mg/Kg	4		6010B	Total/NA
Beryllium	0.43		0.40		mg/Kg	4		6010B	Total/NA
Chromium	110		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	19		0.79		mg/Kg	4		6010B	Total/NA
Copper	47		5.9		mg/Kg	4		6010B	Total/NA
Lead	12		2.0		mg/Kg	4		6010B	Total/NA
Nickel	130		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	48		2.0		mg/Kg	4		6010B	Total/NA
Zinc	76		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.16		0.0098		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA17-G31-8.0

Lab Sample ID: 720-42947-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.5		3.9		mg/Kg	4		6010B	Total/NA
Barium	270		1.9		mg/Kg	4		6010B	Total/NA
Beryllium	0.40		0.39		mg/Kg	4		6010B	Total/NA
Chromium	94		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	18		0.78		mg/Kg	4		6010B	Total/NA
Copper	44		5.8		mg/Kg	4		6010B	Total/NA
Lead	11		1.9		mg/Kg	4		6010B	Total/NA
Nickel	130		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	43		1.9		mg/Kg	4		6010B	Total/NA
Zinc	74		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.13		0.0098		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA18-G32-5.0

Lab Sample ID: 720-42947-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.7		3.8		mg/Kg	4		6010B	Total/NA
Barium	200		1.9		mg/Kg	4		6010B	Total/NA
Chromium	84		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	16		0.77		mg/Kg	4		6010B	Total/NA
Copper	37		5.8		mg/Kg	4		6010B	Total/NA
Lead	11		1.9		mg/Kg	4		6010B	Total/NA
Nickel	110		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	38		1.9		mg/Kg	4		6010B	Total/NA

Detection Summary

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA18-G32-5.0 (Continued)

Lab Sample ID: 720-42947-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	65		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.099		0.010		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA19-G32-7.5

Lab Sample ID: 720-42947-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.4		3.8		mg/Kg	4		6010B	Total/NA
Barium	290		1.9		mg/Kg	4		6010B	Total/NA
Beryllium	0.48		0.38		mg/Kg	4		6010B	Total/NA
Chromium	100		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	20		0.77		mg/Kg	4		6010B	Total/NA
Copper	45		5.8		mg/Kg	4		6010B	Total/NA
Lead	12		1.9		mg/Kg	4		6010B	Total/NA
Nickel	120		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	47		1.9		mg/Kg	4		6010B	Total/NA
Zinc	70		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.092		0.0095		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA20-G33-2.0

Lab Sample ID: 720-42947-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.2		3.9		mg/Kg	4		6010B	Total/NA
Barium	250		1.9		mg/Kg	4		6010B	Total/NA
Beryllium	0.46		0.39		mg/Kg	4		6010B	Total/NA
Chromium	95		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	18		0.78		mg/Kg	4		6010B	Total/NA
Copper	46		5.8		mg/Kg	4		6010B	Total/NA
Lead	11		1.9		mg/Kg	4		6010B	Total/NA
Nickel	140		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	46		1.9		mg/Kg	4		6010B	Total/NA
Zinc	73		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.19		0.0094		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA21-G33-5.0

Lab Sample ID: 720-42947-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.0		3.9		mg/Kg	4		6010B	Total/NA
Barium	180		1.9		mg/Kg	4		6010B	Total/NA
Chromium	89		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	15		0.78		mg/Kg	4		6010B	Total/NA
Copper	35		5.8		mg/Kg	4		6010B	Total/NA
Lead	8.8		1.9		mg/Kg	4		6010B	Total/NA
Nickel	120		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	37		1.9		mg/Kg	4		6010B	Total/NA
Zinc	61		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.093		0.0087		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA22-G33-7.5

Lab Sample ID: 720-42947-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.8		3.9		mg/Kg	4		6010B	Total/NA
Barium	220		1.9		mg/Kg	4		6010B	Total/NA
Chromium	85		1.9		mg/Kg	4		6010B	Total/NA

Detection Summary

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA22-G33-7.5 (Continued)

Lab Sample ID: 720-42947-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	17		0.78		mg/Kg	4		6010B	Total/NA
Copper	40		5.8		mg/Kg	4		6010B	Total/NA
Lead	9.8		1.9		mg/Kg	4		6010B	Total/NA
Nickel	120		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	40		1.9		mg/Kg	4		6010B	Total/NA
Zinc	66		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.11		0.0098		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA36-G42-5.0

Lab Sample ID: 720-42947-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.4		3.9		mg/Kg	4		6010B	Total/NA
Barium	240		1.9		mg/Kg	4		6010B	Total/NA
Beryllium	0.40		0.39		mg/Kg	4		6010B	Total/NA
Chromium	86		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	19		0.78		mg/Kg	4		6010B	Total/NA
Copper	40		5.8		mg/Kg	4		6010B	Total/NA
Lead	9.4		1.9		mg/Kg	4		6010B	Total/NA
Nickel	160		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	39		1.9		mg/Kg	4		6010B	Total/NA
Zinc	62		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.10		0.010		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA23-G34-2.0

Lab Sample ID: 720-42947-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.0		0.99		mg/Kg	1		8015B	Total/NA
Arsenic	7.7		3.7		mg/Kg	4		6010B	Total/NA
Barium	220		1.9		mg/Kg	4		6010B	Total/NA
Beryllium	0.40		0.37		mg/Kg	4		6010B	Total/NA
Chromium	91		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	19		0.74		mg/Kg	4		6010B	Total/NA
Copper	42		5.6		mg/Kg	4		6010B	Total/NA
Lead	11		1.9		mg/Kg	4		6010B	Total/NA
Nickel	140		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	42		1.9		mg/Kg	4		6010B	Total/NA
Zinc	69		5.6		mg/Kg	4		6010B	Total/NA
Mercury	0.11		0.010		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA24-G34-7.5

Lab Sample ID: 720-42947-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	2.3		0.066		mg/Kg	1		8270C	Total/NA
2-Methylnaphthalene	0.27		0.066		mg/Kg	1		8270C	Total/NA
Phenanthrene	0.10		0.066		mg/Kg	1		8270C	Total/NA
Arsenic	7.8		3.7		mg/Kg	4		6010B	Total/NA
Barium	260		1.9		mg/Kg	4		6010B	Total/NA
Beryllium	0.41		0.37		mg/Kg	4		6010B	Total/NA
Chromium	91		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	19		0.74		mg/Kg	4		6010B	Total/NA
Copper	42		5.6		mg/Kg	4		6010B	Total/NA
Lead	11		1.9		mg/Kg	4		6010B	Total/NA
Nickel	130		1.9		mg/Kg	4		6010B	Total/NA

Detection Summary

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA24-G34-7.5 (Continued)

Lab Sample ID: 720-42947-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	42		1.9		mg/Kg	4		6010B	Total/NA
Zinc	68		5.6		mg/Kg	4		6010B	Total/NA
Mercury	0.11		0.0097		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA25-G35-5.0

Lab Sample ID: 720-42947-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	20		0.99		mg/Kg	1		8015B	Total/NA
Motor Oil Range Organics [C24-C36]	110		49		mg/Kg	1		8015B	Total/NA
Arsenic	7.3		3.7		mg/Kg	4		6010B	Total/NA
Barium	220		1.9		mg/Kg	4		6010B	Total/NA
Beryllium	0.37		0.37		mg/Kg	4		6010B	Total/NA
Chromium	95		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	19		0.74		mg/Kg	4		6010B	Total/NA
Copper	42		5.6		mg/Kg	4		6010B	Total/NA
Lead	11		1.9		mg/Kg	4		6010B	Total/NA
Nickel	140		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	44		1.9		mg/Kg	4		6010B	Total/NA
Zinc	71		5.6		mg/Kg	4		6010B	Total/NA
Mercury	0.10		0.0095		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA26-G37-2.0

Lab Sample ID: 720-42947-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.8		3.8		mg/Kg	4		6010B	Total/NA
Barium	140		1.9		mg/Kg	4		6010B	Total/NA
Chromium	69		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	13		0.77		mg/Kg	4		6010B	Total/NA
Copper	28		5.8		mg/Kg	4		6010B	Total/NA
Lead	7.2		1.9		mg/Kg	4		6010B	Total/NA
Nickel	97		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	33		1.9		mg/Kg	4		6010B	Total/NA
Zinc	52		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.052		0.0097		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA27-37-5.0

Lab Sample ID: 720-42947-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.2		4.0		mg/Kg	4		6010B	Total/NA
Barium	170		2.0		mg/Kg	4		6010B	Total/NA
Chromium	76		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	18		0.79		mg/Kg	4		6010B	Total/NA
Copper	36		5.9		mg/Kg	4		6010B	Total/NA
Lead	8.8		2.0		mg/Kg	4		6010B	Total/NA
Nickel	120		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	43		2.0		mg/Kg	4		6010B	Total/NA
Zinc	68		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.073		0.0087		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA28-G37-7.5

Lab Sample ID: 720-42947-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.2		3.8		mg/Kg	4		6010B	Total/NA

Detection Summary

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA28-G37-7.5 (Continued)

Lab Sample ID: 720-42947-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	210		1.9		mg/Kg	4		6010B	Total/NA
Chromium	78		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	17		0.77		mg/Kg	4		6010B	Total/NA
Copper	36		5.8		mg/Kg	4		6010B	Total/NA
Lead	9.9		1.9		mg/Kg	4		6010B	Total/NA
Nickel	120		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	40		1.9		mg/Kg	4		6010B	Total/NA
Zinc	62		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.074		0.0095		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA29-G38-2.0

Lab Sample ID: 720-42947-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.9		3.8		mg/Kg	4		6010B	Total/NA
Barium	150		1.9		mg/Kg	4		6010B	Total/NA
Chromium	62		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	13		0.76		mg/Kg	4		6010B	Total/NA
Copper	29		5.7		mg/Kg	4		6010B	Total/NA
Lead	7.5		1.9		mg/Kg	4		6010B	Total/NA
Nickel	93		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	31		1.9		mg/Kg	4		6010B	Total/NA
Zinc	52		5.7		mg/Kg	4		6010B	Total/NA
Mercury	0.13		0.0095		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA30-G38-5.0

Lab Sample ID: 720-42947-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.1		1.0		mg/Kg	1		8015B	Total/NA
Arsenic	6.6		4.0		mg/Kg	4		6010B	Total/NA
Barium	190		2.0		mg/Kg	4		6010B	Total/NA
Chromium	78		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	16		0.79		mg/Kg	4		6010B	Total/NA
Copper	35		5.9		mg/Kg	4		6010B	Total/NA
Lead	8.9		2.0		mg/Kg	4		6010B	Total/NA
Nickel	110		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	36		2.0		mg/Kg	4		6010B	Total/NA
Zinc	65		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.073		0.0094		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA31-G38-7.5

Lab Sample ID: 720-42947-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	0.99		0.99		mg/Kg	1		8015B	Total/NA
Arsenic	7.6		3.8		mg/Kg	4		6010B	Total/NA
Barium	230		1.9		mg/Kg	4		6010B	Total/NA
Chromium	86		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	19		0.77		mg/Kg	4		6010B	Total/NA
Copper	44		5.8		mg/Kg	4		6010B	Total/NA
Lead	9.9		1.9		mg/Kg	4		6010B	Total/NA
Nickel	120		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	41		1.9		mg/Kg	4		6010B	Total/NA
Zinc	69		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.078		0.0092		mg/Kg	1		7471A	Total/NA

Detection Summary

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA10-G26-2.0

Lab Sample ID: 720-42947-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.7		3.9		mg/Kg	4		6010B	Total/NA
Barium	170		2.0		mg/Kg	4		6010B	Total/NA
Chromium	72		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	13		0.78		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	97		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	32		2.0		mg/Kg	4		6010B	Total/NA
Zinc	52		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.071		0.0090		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA11-G26-5.0

Lab Sample ID: 720-42947-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	81		3.0		mg/Kg	3		8015B	Total/NA
Motor Oil Range Organics [C24-C36]	440		150		mg/Kg	3		8015B	Total/NA
Arsenic	5.2		3.8		mg/Kg	4		6010B	Total/NA
Barium	270		1.9		mg/Kg	4		6010B	Total/NA
Chromium	65		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	15		0.76		mg/Kg	4		6010B	Total/NA
Copper	32		5.7		mg/Kg	4		6010B	Total/NA
Lead	8.8		1.9		mg/Kg	4		6010B	Total/NA
Nickel	93		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	42		1.9		mg/Kg	4		6010B	Total/NA
Zinc	51		5.7		mg/Kg	4		6010B	Total/NA
Mercury	0.12		0.0097		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA09-G20-4.0

Lab Sample ID: 720-42947-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.5		3.9		mg/Kg	4		6010B	Total/NA
Barium	230		2.0		mg/Kg	4		6010B	Total/NA
Chromium	80		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	20		0.78		mg/Kg	4		6010B	Total/NA
Copper	41		5.9		mg/Kg	4		6010B	Total/NA
Lead	10		2.0		mg/Kg	4		6010B	Total/NA
Nickel	140		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	34		2.0		mg/Kg	4		6010B	Total/NA
Zinc	63		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.10		0.0095		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA08-G18-5.0

Lab Sample ID: 720-42947-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.9		3.8		mg/Kg	4		6010B	Total/NA
Barium	130		1.9		mg/Kg	4		6010B	Total/NA
Chromium	65		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	12		0.75		mg/Kg	4		6010B	Total/NA
Copper	29		5.7		mg/Kg	4		6010B	Total/NA
Lead	6.2		1.9		mg/Kg	4		6010B	Total/NA
Nickel	86		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	31		1.9		mg/Kg	4		6010B	Total/NA
Zinc	50		5.7		mg/Kg	4		6010B	Total/NA

Detection Summary

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA08-G18-5.0 (Continued)

Lab Sample ID: 720-42947-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.068		0.010		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA07-G17-5.0

Lab Sample ID: 720-42947-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.4		3.8		mg/Kg	4		6010B	Total/NA
Barium	240		1.9		mg/Kg	4		6010B	Total/NA
Chromium	84		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	17		0.76		mg/Kg	4		6010B	Total/NA
Copper	40		5.7		mg/Kg	4		6010B	Total/NA
Lead	8.2		1.9		mg/Kg	4		6010B	Total/NA
Nickel	130		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	37		1.9		mg/Kg	4		6010B	Total/NA
Zinc	59		5.7		mg/Kg	4		6010B	Total/NA
Mercury	0.24		0.0092		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA05-G16-2.0

Lab Sample ID: 720-42947-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.3		3.9		mg/Kg	4		6010B	Total/NA
Barium	200		1.9		mg/Kg	4		6010B	Total/NA
Chromium	75		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	16		0.78		mg/Kg	4		6010B	Total/NA
Copper	34		5.8		mg/Kg	4		6010B	Total/NA
Lead	8.2		1.9		mg/Kg	4		6010B	Total/NA
Nickel	120		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	32		1.9		mg/Kg	4		6010B	Total/NA
Zinc	58		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.19		0.0091		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA06-G16-7.5

Lab Sample ID: 720-42947-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.6		4.0		mg/Kg	4		6010B	Total/NA
Barium	180		2.0		mg/Kg	4		6010B	Total/NA
Chromium	66		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	15		0.80		mg/Kg	4		6010B	Total/NA
Copper	31		6.0		mg/Kg	4		6010B	Total/NA
Lead	7.5		2.0		mg/Kg	4		6010B	Total/NA
Nickel	110		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	30		2.0		mg/Kg	4		6010B	Total/NA
Zinc	55		6.0		mg/Kg	4		6010B	Total/NA
Mercury	0.098		0.0098		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA01-G4-2.0

Lab Sample ID: 720-42947-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.8		3.9		mg/Kg	4		6010B	Total/NA
Barium	220		2.0		mg/Kg	4		6010B	Total/NA
Chromium	84		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	18		0.78		mg/Kg	4		6010B	Total/NA
Copper	40		5.9		mg/Kg	4		6010B	Total/NA
Lead	9.7		2.0		mg/Kg	4		6010B	Total/NA

Detection Summary

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA01-G4-2.0 (Continued)

Lab Sample ID: 720-42947-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	130		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	37		2.0		mg/Kg	4		6010B	Total/NA
Zinc	67		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.15		0.0090		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA02-G5-2.0

Lab Sample ID: 720-42947-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.3		4.0		mg/Kg	4		6010B	Total/NA
Barium	190		2.0		mg/Kg	4		6010B	Total/NA
Chromium	77		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	14		0.79		mg/Kg	4		6010B	Total/NA
Copper	34		5.9		mg/Kg	4		6010B	Total/NA
Lead	8.4		2.0		mg/Kg	4		6010B	Total/NA
Nickel	99		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	34		2.0		mg/Kg	4		6010B	Total/NA
Zinc	60		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.099		0.0090		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA03-G7-2.0

Lab Sample ID: 720-42947-28

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	Total/NA
Arsenic	5.7		4.0		mg/Kg	4		6010B	Total/NA
Barium	220		2.0		mg/Kg	4		6010B	Total/NA
Chromium	82		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	17		0.80		mg/Kg	4		6010B	Total/NA
Copper	37		6.0		mg/Kg	4		6010B	Total/NA
Lead	7.8		2.0		mg/Kg	4		6010B	Total/NA
Nickel	130		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	35		2.0		mg/Kg	4		6010B	Total/NA
Zinc	59		6.0		mg/Kg	4		6010B	Total/NA
Mercury	0.11		0.0095		mg/Kg	1		7471A	Total/NA

Client Sample ID: HA04-G8-2.0

Lab Sample ID: 720-42947-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.0		4.0		mg/Kg	4		6010B	Total/NA
Barium	220		2.0		mg/Kg	4		6010B	Total/NA
Chromium	80		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	16		0.80		mg/Kg	4		6010B	Total/NA
Copper	38		6.0		mg/Kg	4		6010B	Total/NA
Lead	8.7		2.0		mg/Kg	4		6010B	Total/NA
Nickel	120		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	37		2.0		mg/Kg	4		6010B	Total/NA
Zinc	62		6.0		mg/Kg	4		6010B	Total/NA
Mercury	0.092		0.0097		mg/Kg	1		7471A	Total/NA

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA15-G29-10.0

Lab Sample ID: 720-42947-1

Date Collected: 06/26/12 08:20

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/27/12 19:05	06/27/12 23:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		45 - 131				06/27/12 19:05	06/27/12 23:16	1
1,2-Dichloroethane-d4 (Surr)	103		60 - 140				06/27/12 19:05	06/27/12 23:16	1
Toluene-d8 (Surr)	98		58 - 140				06/27/12 19:05	06/27/12 23:16	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 15:51	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA15-G29-10.0

Lab Sample ID: 720-42947-1

Date Collected: 06/26/12 08:20

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		21 - 98	06/28/12 07:05	06/29/12 15:51	1
2-Fluorobiphenyl	76		30 - 112	06/28/12 07:05	06/29/12 15:51	1
Terphenyl-d14	83		32 - 117	06/28/12 07:05	06/29/12 15:51	1
2-Fluorophenol	63		28 - 98	06/28/12 07:05	06/29/12 15:51	1
Phenol-d5	66		23 - 101	06/28/12 07:05	06/29/12 15:51	1
2,4,6-Tribromophenol	73		37 - 114	06/28/12 07:05	06/29/12 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		06/27/12 14:17	06/29/12 19:09	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 14:17	06/29/12 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	82		40 - 130	06/27/12 14:17	06/29/12 19:09	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:16	4
Arsenic	7.0		3.8		mg/Kg		07/02/12 14:29	07/03/12 11:16	4
Barium	230		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:16	4
Beryllium	0.39		0.38		mg/Kg		07/02/12 14:29	07/03/12 11:16	4
Cadmium	ND		0.47		mg/Kg		07/02/12 14:29	07/03/12 11:16	4
Chromium	95		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:16	4
Cobalt	20		0.75		mg/Kg		07/02/12 14:29	07/03/12 11:16	4
Copper	43		5.7		mg/Kg		07/02/12 14:29	07/03/12 11:16	4
Lead	10		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:16	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA15-G29-10.0

Lab Sample ID: 720-42947-1

Date Collected: 06/26/12 08:20

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:16	4
Nickel	160		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:16	4
Selenium	ND		3.8		mg/Kg		07/02/12 14:29	07/03/12 11:16	4
Silver	ND		0.94		mg/Kg		07/02/12 14:29	07/03/12 11:16	4
Thallium	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:16	4
Vanadium	42		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:16	4
Zinc	71		5.7		mg/Kg		07/02/12 14:29	07/03/12 11:16	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.070		0.0098		mg/Kg		07/02/12 17:46	07/02/12 22:56	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA16-G31-2.0

Lab Sample ID: 720-42947-2

Date Collected: 06/26/12 08:30

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/27/12 19:05	06/27/12 23:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		45 - 131				06/27/12 19:05	06/27/12 23:45	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 140				06/27/12 19:05	06/27/12 23:45	1
Toluene-d8 (Surr)	98		58 - 140				06/27/12 19:05	06/27/12 23:45	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:16	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA16-G31-2.0

Lab Sample ID: 720-42947-2

Date Collected: 06/26/12 08:30

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	65		21 - 98	06/28/12 07:05	06/29/12 16:16	1
2-Fluorobiphenyl	72		30 - 112	06/28/12 07:05	06/29/12 16:16	1
Terphenyl-d14	81		32 - 117	06/28/12 07:05	06/29/12 16:16	1
2-Fluorophenol	59		28 - 98	06/28/12 07:05	06/29/12 16:16	1
Phenol-d5	62		23 - 101	06/28/12 07:05	06/29/12 16:16	1
2,4,6-Tribromophenol	66		37 - 114	06/28/12 07:05	06/29/12 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/27/12 14:17	06/29/12 19:33	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 14:17	06/29/12 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	87		40 - 130	06/27/12 14:17	06/29/12 19:33	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		06/27/12 11:16	06/29/12 04:29	1
PCB-1221	ND		49		ug/Kg		06/27/12 11:16	06/29/12 04:29	1
PCB-1232	ND		49		ug/Kg		06/27/12 11:16	06/29/12 04:29	1
PCB-1242	ND		49		ug/Kg		06/27/12 11:16	06/29/12 04:29	1
PCB-1248	ND		49		ug/Kg		06/27/12 11:16	06/29/12 04:29	1
PCB-1254	ND		49		ug/Kg		06/27/12 11:16	06/29/12 04:29	1
PCB-1260	ND		49		ug/Kg		06/27/12 11:16	06/29/12 04:29	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA16-G31-2.0

Lab Sample ID: 720-42947-2

Date Collected: 06/26/12 08:30

Matrix: Solid

Date Received: 06/26/12 15:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	77		32 - 112	06/27/12 11:16	06/29/12 04:29	1
DCB Decachlorobiphenyl	98		2 - 122	06/27/12 11:16	06/29/12 04:29	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		07/02/12 14:29	07/03/12 11:20	4
Arsenic	7.5		4.0		mg/Kg		07/02/12 14:29	07/03/12 11:20	4
Barium	260		2.0		mg/Kg		07/02/12 14:29	07/03/12 11:20	4
Beryllium	0.43		0.40		mg/Kg		07/02/12 14:29	07/03/12 11:20	4
Cadmium	ND		0.50		mg/Kg		07/02/12 14:29	07/03/12 11:20	4
Chromium	110		2.0		mg/Kg		07/02/12 14:29	07/03/12 11:20	4
Cobalt	19		0.79		mg/Kg		07/02/12 14:29	07/03/12 11:20	4
Copper	47		5.9		mg/Kg		07/02/12 14:29	07/03/12 11:20	4
Lead	12		2.0		mg/Kg		07/02/12 14:29	07/03/12 11:20	4
Molybdenum	ND		2.0		mg/Kg		07/02/12 14:29	07/03/12 11:20	4
Nickel	130		2.0		mg/Kg		07/02/12 14:29	07/03/12 11:20	4
Selenium	ND		4.0		mg/Kg		07/02/12 14:29	07/03/12 11:20	4
Silver	ND		0.99		mg/Kg		07/02/12 14:29	07/03/12 11:20	4
Thallium	ND		2.0		mg/Kg		07/02/12 14:29	07/03/12 11:20	4
Vanadium	48		2.0		mg/Kg		07/02/12 14:29	07/03/12 11:20	4
Zinc	76		5.9		mg/Kg		07/02/12 14:29	07/03/12 11:20	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.16		0.0098		mg/Kg		07/02/12 17:46	07/02/12 22:01	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA17-G31-8.0

Lab Sample ID: 720-42947-3

Date Collected: 06/26/12 08:40

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/27/12 19:05	06/28/12 00:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	83		45 - 131				06/27/12 19:05	06/28/12 00:14	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 140				06/27/12 19:05	06/28/12 00:14	1
Toluene-d8 (Surr)	96		58 - 140				06/27/12 19:05	06/28/12 00:14	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:40	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA17-G31-8.0

Lab Sample ID: 720-42947-3

Date Collected: 06/26/12 08:40

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	59		21 - 98	06/28/12 07:05	06/29/12 16:40	1
2-Fluorobiphenyl	70		30 - 112	06/28/12 07:05	06/29/12 16:40	1
Terphenyl-d14	75		32 - 117	06/28/12 07:05	06/29/12 16:40	1
2-Fluorophenol	60		28 - 98	06/28/12 07:05	06/29/12 16:40	1
Phenol-d5	61		23 - 101	06/28/12 07:05	06/29/12 16:40	1
2,4,6-Tribromophenol	68		37 - 114	06/28/12 07:05	06/29/12 16:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		06/27/12 14:17	06/29/12 19:58	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 14:17	06/29/12 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	64		40 - 130	06/27/12 14:17	06/29/12 19:58	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:25	4
Arsenic	7.5		3.9		mg/Kg		07/02/12 14:29	07/03/12 11:25	4
Barium	270		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:25	4
Beryllium	0.40		0.39		mg/Kg		07/02/12 14:29	07/03/12 11:25	4
Cadmium	ND		0.49		mg/Kg		07/02/12 14:29	07/03/12 11:25	4
Chromium	94		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:25	4
Cobalt	18		0.78		mg/Kg		07/02/12 14:29	07/03/12 11:25	4
Copper	44		5.8		mg/Kg		07/02/12 14:29	07/03/12 11:25	4
Lead	11		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:25	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA17-G31-8.0

Lab Sample ID: 720-42947-3

Date Collected: 06/26/12 08:40

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:25	4
Nickel	130		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:25	4
Selenium	ND		3.9		mg/Kg		07/02/12 14:29	07/03/12 11:25	4
Silver	ND		0.97		mg/Kg		07/02/12 14:29	07/03/12 11:25	4
Thallium	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:25	4
Vanadium	43		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:25	4
Zinc	74		5.8		mg/Kg		07/02/12 14:29	07/03/12 11:25	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.0098		mg/Kg		07/02/12 17:46	07/02/12 22:03	1



Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA18-G32-5.0

Lab Sample ID: 720-42947-4

Date Collected: 06/26/12 08:55

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/27/12 19:05	06/28/12 00:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		45 - 131				06/27/12 19:05	06/28/12 00:43	1
1,2-Dichloroethane-d4 (Surr)	103		60 - 140				06/27/12 19:05	06/28/12 00:43	1
Toluene-d8 (Surr)	97		58 - 140				06/27/12 19:05	06/28/12 00:43	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
2-Chlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
2-Methylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Hexachloroethane	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Nitrobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Isophorone	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
2-Nitrophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Naphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Acenaphthylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Acenaphthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Dibenzofuran	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Fluorene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:04	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA18-G32-5.0

Lab Sample ID: 720-42947-4

Date Collected: 06/26/12 08:55

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Phenanthrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Chrysene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Azobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	70		21 - 98	06/28/12 07:05	06/29/12 17:04	1
2-Fluorobiphenyl	77		30 - 112	06/28/12 07:05	06/29/12 17:04	1
Terphenyl-d14	81		32 - 117	06/28/12 07:05	06/29/12 17:04	1
2-Fluorophenol	65		28 - 98	06/28/12 07:05	06/29/12 17:04	1
Phenol-d5	66		23 - 101	06/28/12 07:05	06/29/12 17:04	1
2,4,6-Tribromophenol	73		37 - 114	06/28/12 07:05	06/29/12 17:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/27/12 14:17	06/29/12 20:22	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		06/27/12 14:17	06/29/12 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	79		40 - 130	06/27/12 14:17	06/29/12 20:22	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:29	4
Arsenic	6.7		3.8		mg/Kg		07/02/12 14:29	07/03/12 11:29	4
Barium	200		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:29	4
Beryllium	ND		0.38		mg/Kg		07/02/12 14:29	07/03/12 11:29	4
Cadmium	ND		0.48		mg/Kg		07/02/12 14:29	07/03/12 11:29	4
Chromium	84		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:29	4
Cobalt	16		0.77		mg/Kg		07/02/12 14:29	07/03/12 11:29	4
Copper	37		5.8		mg/Kg		07/02/12 14:29	07/03/12 11:29	4
Lead	11		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:29	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA18-G32-5.0

Lab Sample ID: 720-42947-4

Date Collected: 06/26/12 08:55

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:29	4
Nickel	110		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:29	4
Selenium	ND		3.8		mg/Kg		07/02/12 14:29	07/03/12 11:29	4
Silver	ND		0.96		mg/Kg		07/02/12 14:29	07/03/12 11:29	4
Thallium	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:29	4
Vanadium	38		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:29	4
Zinc	65		5.8		mg/Kg		07/02/12 14:29	07/03/12 11:29	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.099		0.010		mg/Kg		07/02/12 17:46	07/02/12 22:05	1



Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA19-G32-7.5

Lab Sample ID: 720-42947-5

Date Collected: 06/26/12 09:00

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/27/12 19:05	06/28/12 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	83		45 - 131				06/27/12 19:05	06/28/12 01:12	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140				06/27/12 19:05	06/28/12 01:12	1
Toluene-d8 (Surr)	95		58 - 140				06/27/12 19:05	06/28/12 01:12	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:28	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA19-G32-7.5

Lab Sample ID: 720-42947-5

Date Collected: 06/26/12 09:00

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	66		21 - 98	06/28/12 07:05	06/29/12 17:28	1
2-Fluorobiphenyl	72		30 - 112	06/28/12 07:05	06/29/12 17:28	1
Terphenyl-d14	78		32 - 117	06/28/12 07:05	06/29/12 17:28	1
2-Fluorophenol	61		28 - 98	06/28/12 07:05	06/29/12 17:28	1
Phenol-d5	63		23 - 101	06/28/12 07:05	06/29/12 17:28	1
2,4,6-Tribromophenol	69		37 - 114	06/28/12 07:05	06/29/12 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/27/12 14:17	06/29/12 20:46	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 14:17	06/29/12 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	83		40 - 130	06/27/12 14:17	06/29/12 20:46	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:34	4
Arsenic	7.4		3.8		mg/Kg		07/02/12 14:29	07/03/12 11:34	4
Barium	290		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:34	4
Beryllium	0.48		0.38		mg/Kg		07/02/12 14:29	07/03/12 11:34	4
Cadmium	ND		0.48		mg/Kg		07/02/12 14:29	07/03/12 11:34	4
Chromium	100		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:34	4
Cobalt	20		0.77		mg/Kg		07/02/12 14:29	07/03/12 11:34	4
Copper	45		5.8		mg/Kg		07/02/12 14:29	07/03/12 11:34	4
Lead	12		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:34	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA19-G32-7.5

Lab Sample ID: 720-42947-5

Date Collected: 06/26/12 09:00

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:34	4
Nickel	120		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:34	4
Selenium	ND		3.8		mg/Kg		07/02/12 14:29	07/03/12 11:34	4
Silver	ND		0.96		mg/Kg		07/02/12 14:29	07/03/12 11:34	4
Thallium	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:34	4
Vanadium	47		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:34	4
Zinc	70		5.8		mg/Kg		07/02/12 14:29	07/03/12 11:34	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.092		0.0095		mg/Kg		07/02/12 17:46	07/02/12 22:08	1



Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA20-G33-2.0

Lab Sample ID: 720-42947-6

Date Collected: 06/26/12 09:10

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/27/12 19:05	06/28/12 01:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		45 - 131				06/27/12 19:05	06/28/12 01:41	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 140				06/27/12 19:05	06/28/12 01:41	1
Toluene-d8 (Surr)	96		58 - 140				06/27/12 19:05	06/28/12 01:41	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:51	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA20-G33-2.0

Lab Sample ID: 720-42947-6

Date Collected: 06/26/12 09:10

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	68		21 - 98	06/28/12 07:05	06/29/12 17:51	1
2-Fluorobiphenyl	77		30 - 112	06/28/12 07:05	06/29/12 17:51	1
Terphenyl-d14	84		32 - 117	06/28/12 07:05	06/29/12 17:51	1
2-Fluorophenol	62		28 - 98	06/28/12 07:05	06/29/12 17:51	1
Phenol-d5	65		23 - 101	06/28/12 07:05	06/29/12 17:51	1
2,4,6-Tribromophenol	68		37 - 114	06/28/12 07:05	06/29/12 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/27/12 14:17	06/29/12 21:11	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		06/27/12 14:17	06/29/12 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	91		40 - 130	06/27/12 14:17	06/29/12 21:11	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:38	4
Arsenic	8.2		3.9		mg/Kg		07/02/12 14:29	07/03/12 11:38	4
Barium	250		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:38	4
Beryllium	0.46		0.39		mg/Kg		07/02/12 14:29	07/03/12 11:38	4
Cadmium	ND		0.49		mg/Kg		07/02/12 14:29	07/03/12 11:38	4
Chromium	95		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:38	4
Cobalt	18		0.78		mg/Kg		07/02/12 14:29	07/03/12 11:38	4
Copper	46		5.8		mg/Kg		07/02/12 14:29	07/03/12 11:38	4
Lead	11		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:38	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA20-G33-2.0

Lab Sample ID: 720-42947-6

Date Collected: 06/26/12 09:10

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:38	4
Nickel	140		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:38	4
Selenium	ND		3.9		mg/Kg		07/02/12 14:29	07/03/12 11:38	4
Silver	ND		0.97		mg/Kg		07/02/12 14:29	07/03/12 11:38	4
Thallium	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:38	4
Vanadium	46		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:38	4
Zinc	73		5.8		mg/Kg		07/02/12 14:29	07/03/12 11:38	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.0094		mg/Kg		07/02/12 17:46	07/02/12 22:15	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA21-G33-5.0

Lab Sample ID: 720-42947-7

Date Collected: 06/26/12 09:15

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/27/12 19:05	06/28/12 02:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	81		45 - 131				06/27/12 19:05	06/28/12 02:10	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 140				06/27/12 19:05	06/28/12 02:10	1
Toluene-d8 (Surr)	94		58 - 140				06/27/12 19:05	06/28/12 02:10	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
2-Chlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
2-Methylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Hexachloroethane	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Nitrobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Isophorone	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
2-Nitrophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Naphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Acenaphthylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Acenaphthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Dibenzofuran	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Fluorene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:15	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA21-G33-5.0

Lab Sample ID: 720-42947-7

Date Collected: 06/26/12 09:15

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Phenanthrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Chrysene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Azobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	69		21 - 98	06/28/12 07:05	06/29/12 18:15	1
2-Fluorobiphenyl	77		30 - 112	06/28/12 07:05	06/29/12 18:15	1
Terphenyl-d14	83		32 - 117	06/28/12 07:05	06/29/12 18:15	1
2-Fluorophenol	69		28 - 98	06/28/12 07:05	06/29/12 18:15	1
Phenol-d5	71		23 - 101	06/28/12 07:05	06/29/12 18:15	1
2,4,6-Tribromophenol	73		37 - 114	06/28/12 07:05	06/29/12 18:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/27/12 14:17	06/29/12 21:35	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		06/27/12 14:17	06/29/12 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	84		40 - 130	06/27/12 14:17	06/29/12 21:35	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		06/27/12 11:16	06/29/12 04:46	1
PCB-1221	ND		49		ug/Kg		06/27/12 11:16	06/29/12 04:46	1
PCB-1232	ND		49		ug/Kg		06/27/12 11:16	06/29/12 04:46	1
PCB-1242	ND		49		ug/Kg		06/27/12 11:16	06/29/12 04:46	1
PCB-1248	ND		49		ug/Kg		06/27/12 11:16	06/29/12 04:46	1
PCB-1254	ND		49		ug/Kg		06/27/12 11:16	06/29/12 04:46	1
PCB-1260	ND		49		ug/Kg		06/27/12 11:16	06/29/12 04:46	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA21-G33-5.0

Lab Sample ID: 720-42947-7

Date Collected: 06/26/12 09:15

Matrix: Solid

Date Received: 06/26/12 15:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	77		32 - 112	06/27/12 11:16	06/29/12 04:46	1
DCB Decachlorobiphenyl	96		2 - 122	06/27/12 11:16	06/29/12 04:46	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:43	4
Arsenic	6.0		3.9		mg/Kg		07/02/12 14:29	07/03/12 11:43	4
Barium	180		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:43	4
Beryllium	ND		0.39		mg/Kg		07/02/12 14:29	07/03/12 11:43	4
Cadmium	ND		0.49		mg/Kg		07/02/12 14:29	07/03/12 11:43	4
Chromium	89		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:43	4
Cobalt	15		0.78		mg/Kg		07/02/12 14:29	07/03/12 11:43	4
Copper	35		5.8		mg/Kg		07/02/12 14:29	07/03/12 11:43	4
Lead	8.8		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:43	4
Molybdenum	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:43	4
Nickel	120		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:43	4
Selenium	ND		3.9		mg/Kg		07/02/12 14:29	07/03/12 11:43	4
Silver	ND		0.97		mg/Kg		07/02/12 14:29	07/03/12 11:43	4
Thallium	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:43	4
Vanadium	37		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:43	4
Zinc	61		5.8		mg/Kg		07/02/12 14:29	07/03/12 11:43	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.093		0.0087		mg/Kg		07/02/12 17:46	07/02/12 22:17	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA22-G33-7.5

Lab Sample ID: 720-42947-8

Date Collected: 06/26/12 09:25

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/27/12 19:05	06/28/12 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	83		45 - 131				06/27/12 19:05	06/28/12 02:39	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140				06/27/12 19:05	06/28/12 02:39	1
Toluene-d8 (Surr)	95		58 - 140				06/27/12 19:05	06/28/12 02:39	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
2-Chlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
2-Methylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Hexachloroethane	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Nitrobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Isophorone	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
2-Nitrophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Naphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Acenaphthylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Acenaphthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Dibenzofuran	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Fluorene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:39	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA22-G33-7.5

Lab Sample ID: 720-42947-8

Date Collected: 06/26/12 09:25

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Phenanthrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Chrysene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Azobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		21 - 98	06/28/12 07:05	06/29/12 18:39	1
2-Fluorobiphenyl	76		30 - 112	06/28/12 07:05	06/29/12 18:39	1
Terphenyl-d14	80		32 - 117	06/28/12 07:05	06/29/12 18:39	1
2-Fluorophenol	66		28 - 98	06/28/12 07:05	06/29/12 18:39	1
Phenol-d5	66		23 - 101	06/28/12 07:05	06/29/12 18:39	1
2,4,6-Tribromophenol	70		37 - 114	06/28/12 07:05	06/29/12 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/27/12 14:17	06/29/12 22:00	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 14:17	06/29/12 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	81		40 - 130	06/27/12 14:17	06/29/12 22:00	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:47	4
Arsenic	6.8		3.9		mg/Kg		07/02/12 14:29	07/03/12 11:47	4
Barium	220		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:47	4
Beryllium	ND		0.39		mg/Kg		07/02/12 14:29	07/03/12 11:47	4
Cadmium	ND		0.49		mg/Kg		07/02/12 14:29	07/03/12 11:47	4
Chromium	85		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:47	4
Cobalt	17		0.78		mg/Kg		07/02/12 14:29	07/03/12 11:47	4
Copper	40		5.8		mg/Kg		07/02/12 14:29	07/03/12 11:47	4
Lead	9.8		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:47	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA22-G33-7.5

Lab Sample ID: 720-42947-8

Date Collected: 06/26/12 09:25

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:47	4
Nickel	120		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:47	4
Selenium	ND		3.9		mg/Kg		07/02/12 14:29	07/03/12 11:47	4
Silver	ND		0.97		mg/Kg		07/02/12 14:29	07/03/12 11:47	4
Thallium	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:47	4
Vanadium	40		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:47	4
Zinc	66		5.8		mg/Kg		07/02/12 14:29	07/03/12 11:47	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.0098		mg/Kg		07/02/12 17:46	07/02/12 22:20	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA36-G42-5.0

Lab Sample ID: 720-42947-9

Date Collected: 06/26/12 09:35

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/27/12 19:05	06/28/12 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	81		45 - 131				06/27/12 19:05	06/28/12 03:08	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 140				06/27/12 19:05	06/28/12 03:08	1
Toluene-d8 (Surr)	94		58 - 140				06/27/12 19:05	06/28/12 03:08	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
2-Chlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
2-Methylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Hexachloroethane	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Nitrobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Isophorone	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
2-Nitrophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Naphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Acenaphthylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Acenaphthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Dibenzofuran	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Fluorene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:04	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA36-G42-5.0

Lab Sample ID: 720-42947-9

Date Collected: 06/26/12 09:35

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Phenanthrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Chrysene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Azobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		21 - 98	06/28/12 07:05	06/29/12 19:04	1
2-Fluorobiphenyl	77		30 - 112	06/28/12 07:05	06/29/12 19:04	1
Terphenyl-d14	83		32 - 117	06/28/12 07:05	06/29/12 19:04	1
2-Fluorophenol	66		28 - 98	06/28/12 07:05	06/29/12 19:04	1
Phenol-d5	67		23 - 101	06/28/12 07:05	06/29/12 19:04	1
2,4,6-Tribromophenol	73		37 - 114	06/28/12 07:05	06/29/12 19:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/27/12 14:17	06/29/12 22:24	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		06/27/12 14:17	06/29/12 22:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	85		40 - 130	06/27/12 14:17	06/29/12 22:24	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		06/27/12 11:16	06/29/12 05:03	1
PCB-1221	ND		49		ug/Kg		06/27/12 11:16	06/29/12 05:03	1
PCB-1232	ND		49		ug/Kg		06/27/12 11:16	06/29/12 05:03	1
PCB-1242	ND		49		ug/Kg		06/27/12 11:16	06/29/12 05:03	1
PCB-1248	ND		49		ug/Kg		06/27/12 11:16	06/29/12 05:03	1
PCB-1254	ND		49		ug/Kg		06/27/12 11:16	06/29/12 05:03	1
PCB-1260	ND		49		ug/Kg		06/27/12 11:16	06/29/12 05:03	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA36-G42-5.0

Lab Sample ID: 720-42947-9

Date Collected: 06/26/12 09:35

Matrix: Solid

Date Received: 06/26/12 15:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	87		32 - 112	06/27/12 11:16	06/29/12 05:03	1
DCB Decachlorobiphenyl	99		2 - 122	06/27/12 11:16	06/29/12 05:03	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:52	4
Arsenic	6.4		3.9		mg/Kg		07/02/12 14:29	07/03/12 11:52	4
Barium	240		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:52	4
Beryllium	0.40		0.39		mg/Kg		07/02/12 14:29	07/03/12 11:52	4
Cadmium	ND		0.49		mg/Kg		07/02/12 14:29	07/03/12 11:52	4
Chromium	86		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:52	4
Cobalt	19		0.78		mg/Kg		07/02/12 14:29	07/03/12 11:52	4
Copper	40		5.8		mg/Kg		07/02/12 14:29	07/03/12 11:52	4
Lead	9.4		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:52	4
Molybdenum	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:52	4
Nickel	160		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:52	4
Selenium	ND		3.9		mg/Kg		07/02/12 14:29	07/03/12 11:52	4
Silver	ND		0.97		mg/Kg		07/02/12 14:29	07/03/12 11:52	4
Thallium	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:52	4
Vanadium	39		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:52	4
Zinc	62		5.8		mg/Kg		07/02/12 14:29	07/03/12 11:52	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10		0.010		mg/Kg		07/02/12 17:46	07/02/12 22:22	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA23-G34-2.0

Lab Sample ID: 720-42947-10

Date Collected: 06/26/12 09:50

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/27/12 19:05	06/28/12 03:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	82		45 - 131				06/27/12 19:05	06/28/12 03:37	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 140				06/27/12 19:05	06/28/12 03:37	1
Toluene-d8 (Surr)	95		58 - 140				06/27/12 19:05	06/28/12 03:37	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
2-Chlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
2-Methylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Hexachloroethane	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Nitrobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Isophorone	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
2-Nitrophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Naphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Acenaphthylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Acenaphthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Dibenzofuran	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Fluorene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:28	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA23-G34-2.0

Lab Sample ID: 720-42947-10

Date Collected: 06/26/12 09:50

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Phenanthrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Chrysene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Azobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	64		21 - 98	06/28/12 07:05	06/29/12 19:28	1
2-Fluorobiphenyl	72		30 - 112	06/28/12 07:05	06/29/12 19:28	1
Terphenyl-d14	79		32 - 117	06/28/12 07:05	06/29/12 19:28	1
2-Fluorophenol	57		28 - 98	06/28/12 07:05	06/29/12 19:28	1
Phenol-d5	59		23 - 101	06/28/12 07:05	06/29/12 19:28	1
2,4,6-Tribromophenol	65		37 - 114	06/28/12 07:05	06/29/12 19:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.0		0.99		mg/Kg		06/27/12 14:17	06/29/12 22:48	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 14:17	06/29/12 22:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	86		40 - 130	06/27/12 14:17	06/29/12 22:48	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:56	4
Arsenic	7.7		3.7		mg/Kg		07/02/12 14:29	07/03/12 11:56	4
Barium	220		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:56	4
Beryllium	0.40		0.37		mg/Kg		07/02/12 14:29	07/03/12 11:56	4
Cadmium	ND		0.46		mg/Kg		07/02/12 14:29	07/03/12 11:56	4
Chromium	91		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:56	4
Cobalt	19		0.74		mg/Kg		07/02/12 14:29	07/03/12 11:56	4
Copper	42		5.6		mg/Kg		07/02/12 14:29	07/03/12 11:56	4
Lead	11		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:56	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA23-G34-2.0

Lab Sample ID: 720-42947-10

Date Collected: 06/26/12 09:50

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:56	4
Nickel	140		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:56	4
Selenium	ND		3.7		mg/Kg		07/02/12 14:29	07/03/12 11:56	4
Silver	ND		0.93		mg/Kg		07/02/12 14:29	07/03/12 11:56	4
Thallium	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:56	4
Vanadium	42		1.9		mg/Kg		07/02/12 14:29	07/03/12 11:56	4
Zinc	69		5.6		mg/Kg		07/02/12 14:29	07/03/12 11:56	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.010		mg/Kg		07/02/12 17:46	07/02/12 22:24	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA24-G34-7.5

Lab Sample ID: 720-42947-11

Date Collected: 06/26/12 10:00

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/27/12 19:05	06/28/12 04:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	78		45 - 131				06/27/12 19:05	06/28/12 04:06	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 140				06/27/12 19:05	06/28/12 04:06	1
Toluene-d8 (Surr)	93		58 - 140				06/27/12 19:05	06/28/12 04:06	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
2-Chlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
2-Methylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Hexachloroethane	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Nitrobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Isophorone	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
2-Nitrophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Naphthalene	2.3		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
2-Methylnaphthalene	0.27		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Acenaphthylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Acenaphthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Dibenzofuran	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Fluorene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:52	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA24-G34-7.5

Lab Sample ID: 720-42947-11

Date Collected: 06/26/12 10:00

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Phenanthrene	0.10		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Chrysene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Azobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 19:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	69		21 - 98	06/28/12 07:05	06/29/12 19:52	1
2-Fluorobiphenyl	78		30 - 112	06/28/12 07:05	06/29/12 19:52	1
Terphenyl-d14	82		32 - 117	06/28/12 07:05	06/29/12 19:52	1
2-Fluorophenol	65		28 - 98	06/28/12 07:05	06/29/12 19:52	1
Phenol-d5	66		23 - 101	06/28/12 07:05	06/29/12 19:52	1
2,4,6-Tribromophenol	71		37 - 114	06/28/12 07:05	06/29/12 19:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		07/02/12 09:03	07/03/12 10:48	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		07/02/12 09:03	07/03/12 10:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	67		40 - 130	07/02/12 09:03	07/03/12 10:48	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:09	4
Arsenic	7.8		3.7		mg/Kg		07/02/12 14:29	07/03/12 12:09	4
Barium	260		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:09	4
Beryllium	0.41		0.37		mg/Kg		07/02/12 14:29	07/03/12 12:09	4
Cadmium	ND		0.46		mg/Kg		07/02/12 14:29	07/03/12 12:09	4
Chromium	91		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:09	4
Cobalt	19		0.74		mg/Kg		07/02/12 14:29	07/03/12 12:09	4
Copper	42		5.6		mg/Kg		07/02/12 14:29	07/03/12 12:09	4
Lead	11		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:09	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA24-G34-7.5

Lab Sample ID: 720-42947-11

Date Collected: 06/26/12 10:00

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:09	4
Nickel	130		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:09	4
Selenium	ND		3.7		mg/Kg		07/02/12 14:29	07/03/12 12:09	4
Silver	ND		0.93		mg/Kg		07/02/12 14:29	07/03/12 12:09	4
Thallium	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:09	4
Vanadium	42		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:09	4
Zinc	68		5.6		mg/Kg		07/02/12 14:29	07/03/12 12:09	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.0097		mg/Kg		07/02/12 17:46	07/02/12 22:27	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA25-G35-5.0

Lab Sample ID: 720-42947-12

Date Collected: 06/26/12 10:20

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/27/12 19:05	06/28/12 04:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	79		45 - 131				06/27/12 19:05	06/28/12 04:35	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 140				06/27/12 19:05	06/28/12 04:35	1
Toluene-d8 (Surr)	93		58 - 140				06/27/12 19:05	06/28/12 04:35	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Bis(2-chloroethyl)ether	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
2-Chlorophenol	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
1,3-Dichlorobenzene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
1,4-Dichlorobenzene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Benzyl alcohol	ND		0.34		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
1,2-Dichlorobenzene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
2-Methylphenol	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Methylphenol, 3 & 4	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
N-Nitrosodi-n-propylamine	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Hexachloroethane	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Nitrobenzene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Isophorone	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
2-Nitrophenol	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
2,4-Dimethylphenol	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Bis(2-chloroethoxy)methane	ND		0.34		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
2,4-Dichlorophenol	ND		0.66		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
1,2,4-Trichlorobenzene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Naphthalene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
4-Chloroaniline	ND		0.34		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Hexachlorobutadiene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
4-Chloro-3-methylphenol	ND		0.34		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
2-Methylnaphthalene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Hexachlorocyclopentadiene	ND		0.34		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
2,4,6-Trichlorophenol	ND		0.34		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
2,4,5-Trichlorophenol	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
2-Chloronaphthalene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
2-Nitroaniline	ND		0.66		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Dimethyl phthalate	ND		0.34		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Acenaphthylene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
3-Nitroaniline	ND		0.34		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Acenaphthene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
2,4-Dinitrophenol	ND		1.3		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
4-Nitrophenol	ND		0.66		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Dibenzofuran	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
2,4-Dinitrotoluene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
2,6-Dinitrotoluene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Diethyl phthalate	ND		0.34		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
4-Chlorophenyl phenyl ether	ND		0.34		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Fluorene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
4-Nitroaniline	ND		0.66		mg/Kg		06/28/12 07:05	07/02/12 23:11	2

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA25-G35-5.0

Lab Sample ID: 720-42947-12

Date Collected: 06/26/12 10:20

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
N-Nitrosodiphenylamine	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
4-Bromophenyl phenyl ether	ND		0.34		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Hexachlorobenzene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Pentachlorophenol	ND		0.66		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Phenanthrene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Anthracene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Di-n-butyl phthalate	ND		0.34		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Fluoranthene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Pyrene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Butyl benzyl phthalate	ND		0.34		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
3,3'-Dichlorobenzidine	ND		0.34		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Benzo[a]anthracene	ND		0.66		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Bis(2-ethylhexyl) phthalate	ND		0.66		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Chrysene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Di-n-octyl phthalate	ND		0.34		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Benzo[b]fluoranthene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Benzo[a]pyrene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Benzo[k]fluoranthene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Indeno[1,2,3-cd]pyrene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Benzo[g,h,i]perylene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Benzoic acid	ND		0.66		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Azobenzene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2
Dibenz(a,h)anthracene	ND		0.13		mg/Kg		06/28/12 07:05	07/02/12 23:11	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	69		21 - 98	06/28/12 07:05	07/02/12 23:11	2
2-Fluorobiphenyl	73		30 - 112	06/28/12 07:05	07/02/12 23:11	2
Terphenyl-d14	76		32 - 117	06/28/12 07:05	07/02/12 23:11	2
2-Fluorophenol	64		28 - 98	06/28/12 07:05	07/02/12 23:11	2
Phenol-d5	62		23 - 101	06/28/12 07:05	07/02/12 23:11	2
2,4,6-Tribromophenol	71		37 - 114	06/28/12 07:05	07/02/12 23:11	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	20		0.99		mg/Kg		06/27/12 14:17	06/30/12 09:26	1
Motor Oil Range Organics [C24-C36]	110		49		mg/Kg		06/27/12 14:17	06/30/12 09:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	46		40 - 130	06/27/12 14:17	06/30/12 09:26	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:14	4
Arsenic	7.3		3.7		mg/Kg		07/02/12 14:29	07/03/12 12:14	4
Barium	220		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:14	4
Beryllium	0.37		0.37		mg/Kg		07/02/12 14:29	07/03/12 12:14	4
Cadmium	ND		0.46		mg/Kg		07/02/12 14:29	07/03/12 12:14	4
Chromium	95		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:14	4
Cobalt	19		0.74		mg/Kg		07/02/12 14:29	07/03/12 12:14	4
Copper	42		5.6		mg/Kg		07/02/12 14:29	07/03/12 12:14	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA25-G35-5.0

Lab Sample ID: 720-42947-12

Date Collected: 06/26/12 10:20

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:14	4
Molybdenum	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:14	4
Nickel	140		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:14	4
Selenium	ND		3.7		mg/Kg		07/02/12 14:29	07/03/12 12:14	4
Silver	ND		0.93		mg/Kg		07/02/12 14:29	07/03/12 12:14	4
Thallium	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:14	4
Vanadium	44		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:14	4
Zinc	71		5.6		mg/Kg		07/02/12 14:29	07/03/12 12:14	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10		0.0095		mg/Kg		07/02/12 17:46	07/02/12 22:29	1



Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA26-G37-2.0

Lab Sample ID: 720-42947-13

Date Collected: 06/26/12 10:30

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/27/12 19:05	06/28/12 05:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	80		45 - 131				06/27/12 19:05	06/28/12 05:04	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 140				06/27/12 19:05	06/28/12 05:04	1
Toluene-d8 (Surr)	92		58 - 140				06/27/12 19:05	06/28/12 05:04	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:16	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA26-G37-2.0

Lab Sample ID: 720-42947-13

Date Collected: 06/26/12 10:30

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	74		21 - 98	06/28/12 07:05	06/29/12 20:16	1
2-Fluorobiphenyl	84		30 - 112	06/28/12 07:05	06/29/12 20:16	1
Terphenyl-d14	87		32 - 117	06/28/12 07:05	06/29/12 20:16	1
2-Fluorophenol	67		28 - 98	06/28/12 07:05	06/29/12 20:16	1
Phenol-d5	69		23 - 101	06/28/12 07:05	06/29/12 20:16	1
2,4,6-Tribromophenol	69		37 - 114	06/28/12 07:05	06/29/12 20:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/27/12 14:17	06/30/12 00:01	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 14:17	06/30/12 00:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	88		40 - 130	06/27/12 14:17	06/30/12 00:01	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		06/27/12 11:16	06/29/12 05:21	1
PCB-1221	ND		50		ug/Kg		06/27/12 11:16	06/29/12 05:21	1
PCB-1232	ND		50		ug/Kg		06/27/12 11:16	06/29/12 05:21	1
PCB-1242	ND		50		ug/Kg		06/27/12 11:16	06/29/12 05:21	1
PCB-1248	ND		50		ug/Kg		06/27/12 11:16	06/29/12 05:21	1
PCB-1254	ND		50		ug/Kg		06/27/12 11:16	06/29/12 05:21	1
PCB-1260	ND		50		ug/Kg		06/27/12 11:16	06/29/12 05:21	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA26-G37-2.0

Lab Sample ID: 720-42947-13

Date Collected: 06/26/12 10:30

Matrix: Solid

Date Received: 06/26/12 15:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	86		32 - 112	06/27/12 11:16	06/29/12 05:21	1
DCB Decachlorobiphenyl	102		2 - 122	06/27/12 11:16	06/29/12 05:21	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:18	4
Arsenic	5.8		3.8		mg/Kg		07/02/12 14:29	07/03/12 12:18	4
Barium	140		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:18	4
Beryllium	ND		0.38		mg/Kg		07/02/12 14:29	07/03/12 12:18	4
Cadmium	ND		0.48		mg/Kg		07/02/12 14:29	07/03/12 12:18	4
Chromium	69		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:18	4
Cobalt	13		0.77		mg/Kg		07/02/12 14:29	07/03/12 12:18	4
Copper	28		5.8		mg/Kg		07/02/12 14:29	07/03/12 12:18	4
Lead	7.2		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:18	4
Molybdenum	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:18	4
Nickel	97		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:18	4
Selenium	ND		3.8		mg/Kg		07/02/12 14:29	07/03/12 12:18	4
Silver	ND		0.96		mg/Kg		07/02/12 14:29	07/03/12 12:18	4
Thallium	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:18	4
Vanadium	33		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:18	4
Zinc	52		5.8		mg/Kg		07/02/12 14:29	07/03/12 12:18	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.052		0.0097		mg/Kg		07/02/12 17:46	07/02/12 22:31	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA27-37-5.0

Lab Sample ID: 720-42947-14

Date Collected: 06/26/12 10:40

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/27/12 19:05	06/28/12 05:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	75		45 - 131				06/27/12 19:05	06/28/12 05:33	1
1,2-Dichloroethane-d4 (Surr)	103		60 - 140				06/27/12 19:05	06/28/12 05:33	1
Toluene-d8 (Surr)	93		58 - 140				06/27/12 19:05	06/28/12 05:33	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:40	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA27-37-5.0

Lab Sample ID: 720-42947-14

Date Collected: 06/26/12 10:40

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 20:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	60		21 - 98	06/28/12 07:05	06/29/12 20:40	1
2-Fluorobiphenyl	68		30 - 112	06/28/12 07:05	06/29/12 20:40	1
Terphenyl-d14	79		32 - 117	06/28/12 07:05	06/29/12 20:40	1
2-Fluorophenol	60		28 - 98	06/28/12 07:05	06/29/12 20:40	1
Phenol-d5	61		23 - 101	06/28/12 07:05	06/29/12 20:40	1
2,4,6-Tribromophenol	68		37 - 114	06/28/12 07:05	06/29/12 20:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		06/27/12 14:17	06/30/12 00:26	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 14:17	06/30/12 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	81		40 - 130	06/27/12 14:17	06/30/12 00:26	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		07/02/12 14:29	07/03/12 12:23	4
Arsenic	6.2		4.0		mg/Kg		07/02/12 14:29	07/03/12 12:23	4
Barium	170		2.0		mg/Kg		07/02/12 14:29	07/03/12 12:23	4
Beryllium	ND		0.40		mg/Kg		07/02/12 14:29	07/03/12 12:23	4
Cadmium	ND		0.50		mg/Kg		07/02/12 14:29	07/03/12 12:23	4
Chromium	76		2.0		mg/Kg		07/02/12 14:29	07/03/12 12:23	4
Cobalt	18		0.79		mg/Kg		07/02/12 14:29	07/03/12 12:23	4
Copper	36		5.9		mg/Kg		07/02/12 14:29	07/03/12 12:23	4
Lead	8.8		2.0		mg/Kg		07/02/12 14:29	07/03/12 12:23	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA27-37-5.0

Lab Sample ID: 720-42947-14

Date Collected: 06/26/12 10:40

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		07/02/12 14:29	07/03/12 12:23	4
Nickel	120		2.0		mg/Kg		07/02/12 14:29	07/03/12 12:23	4
Selenium	ND		4.0		mg/Kg		07/02/12 14:29	07/03/12 12:23	4
Silver	ND		0.99		mg/Kg		07/02/12 14:29	07/03/12 12:23	4
Thallium	ND		2.0		mg/Kg		07/02/12 14:29	07/03/12 12:23	4
Vanadium	43		2.0		mg/Kg		07/02/12 14:29	07/03/12 12:23	4
Zinc	68		5.9		mg/Kg		07/02/12 14:29	07/03/12 12:23	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.073		0.0087		mg/Kg		07/02/12 17:46	07/02/12 22:34	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA28-G37-7.5

Lab Sample ID: 720-42947-15

Date Collected: 06/26/12 10:45

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/27/12 19:05	06/28/12 06:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	77		45 - 131				06/27/12 19:05	06/28/12 06:02	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 140				06/27/12 19:05	06/28/12 06:02	1
Toluene-d8 (Surr)	95		58 - 140				06/27/12 19:05	06/28/12 06:02	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
2-Chlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
2-Methylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Hexachloroethane	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Nitrobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Isophorone	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
2-Nitrophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Naphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Acenaphthylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Acenaphthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Dibenzofuran	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Fluorene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:04	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA28-G37-7.5

Lab Sample ID: 720-42947-15

Date Collected: 06/26/12 10:45

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Phenanthrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Chrysene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Azobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	66		21 - 98	06/28/12 07:05	06/29/12 21:04	1
2-Fluorobiphenyl	77		30 - 112	06/28/12 07:05	06/29/12 21:04	1
Terphenyl-d14	78		32 - 117	06/28/12 07:05	06/29/12 21:04	1
2-Fluorophenol	66		28 - 98	06/28/12 07:05	06/29/12 21:04	1
Phenol-d5	66		23 - 101	06/28/12 07:05	06/29/12 21:04	1
2,4,6-Tribromophenol	72		37 - 114	06/28/12 07:05	06/29/12 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/27/12 14:17	06/30/12 00:50	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 14:17	06/30/12 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	95		40 - 130	06/27/12 14:17	06/30/12 00:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:27	4
Arsenic	6.2		3.8		mg/Kg		07/02/12 14:29	07/03/12 12:27	4
Barium	210		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:27	4
Beryllium	ND		0.38		mg/Kg		07/02/12 14:29	07/03/12 12:27	4
Cadmium	ND		0.48		mg/Kg		07/02/12 14:29	07/03/12 12:27	4
Chromium	78		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:27	4
Cobalt	17		0.77		mg/Kg		07/02/12 14:29	07/03/12 12:27	4
Copper	36		5.8		mg/Kg		07/02/12 14:29	07/03/12 12:27	4
Lead	9.9		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:27	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA28-G37-7.5

Lab Sample ID: 720-42947-15

Date Collected: 06/26/12 10:45

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:27	4
Nickel	120		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:27	4
Selenium	ND		3.8		mg/Kg		07/02/12 14:29	07/03/12 12:27	4
Silver	ND		0.96		mg/Kg		07/02/12 14:29	07/03/12 12:27	4
Thallium	ND		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:27	4
Vanadium	40		1.9		mg/Kg		07/02/12 14:29	07/03/12 12:27	4
Zinc	62		5.8		mg/Kg		07/02/12 14:29	07/03/12 12:27	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.074		0.0095		mg/Kg		07/02/12 17:46	07/02/12 22:37	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA29-G38-2.0

Lab Sample ID: 720-42947-16

Date Collected: 06/26/12 10:55

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/27/12 16:00	06/28/12 03:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		45 - 131				06/27/12 16:00	06/28/12 03:17	1
1,2-Dichloroethane-d4 (Surr)	122		60 - 140				06/27/12 16:00	06/28/12 03:17	1
Toluene-d8 (Surr)	100		58 - 140				06/27/12 16:00	06/28/12 03:17	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:28	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA29-G38-2.0

Lab Sample ID: 720-42947-16

Date Collected: 06/26/12 10:55

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 21:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	70		21 - 98	06/28/12 07:05	06/29/12 21:28	1
2-Fluorobiphenyl	74		30 - 112	06/28/12 07:05	06/29/12 21:28	1
Terphenyl-d14	80		32 - 117	06/28/12 07:05	06/29/12 21:28	1
2-Fluorophenol	65		28 - 98	06/28/12 07:05	06/29/12 21:28	1
Phenol-d5	66		23 - 101	06/28/12 07:05	06/29/12 21:28	1
2,4,6-Tribromophenol	69		37 - 114	06/28/12 07:05	06/29/12 21:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/27/12 14:17	06/30/12 01:15	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 14:17	06/30/12 01:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	88		40 - 130	06/27/12 14:17	06/30/12 01:15	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 02:49	4
Arsenic	4.9		3.8		mg/Kg		07/03/12 11:27	07/04/12 02:49	4
Barium	150		1.9		mg/Kg		07/03/12 11:27	07/04/12 02:49	4
Beryllium	ND		0.38		mg/Kg		07/03/12 11:27	07/04/12 02:49	4
Cadmium	ND		0.48		mg/Kg		07/03/12 11:27	07/04/12 02:49	4
Chromium	62		1.9		mg/Kg		07/03/12 11:27	07/04/12 02:49	4
Cobalt	13		0.76		mg/Kg		07/03/12 11:27	07/04/12 02:49	4
Copper	29		5.7		mg/Kg		07/03/12 11:27	07/04/12 02:49	4
Lead	7.5		1.9		mg/Kg		07/03/12 11:27	07/04/12 02:49	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA29-G38-2.0

Lab Sample ID: 720-42947-16

Date Collected: 06/26/12 10:55

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 02:49	4
Nickel	93		1.9		mg/Kg		07/03/12 11:27	07/04/12 02:49	4
Selenium	ND		3.8		mg/Kg		07/03/12 11:27	07/04/12 02:49	4
Silver	ND		0.95		mg/Kg		07/03/12 11:27	07/04/12 02:49	4
Thallium	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 02:49	4
Vanadium	31		1.9		mg/Kg		07/03/12 11:27	07/04/12 02:49	4
Zinc	52		5.7		mg/Kg		07/03/12 11:27	07/04/12 02:49	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.0095		mg/Kg		07/02/12 17:46	07/02/12 22:44	1



Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA30-G38-5.0

Lab Sample ID: 720-42947-17

Date Collected: 06/26/12 11:05

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/28/12 07:00	06/28/12 10:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		45 - 131				06/28/12 07:00	06/28/12 10:58	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140				06/28/12 07:00	06/28/12 10:58	1
Toluene-d8 (Surr)	99		58 - 140				06/28/12 07:00	06/28/12 10:58	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
2-Chlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
2-Methylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Hexachloroethane	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Nitrobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Isophorone	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
2-Nitrophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Naphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Acenaphthylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Acenaphthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Dibenzofuran	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Fluorene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:51	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA30-G38-5.0

Lab Sample ID: 720-42947-17

Date Collected: 06/26/12 11:05

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Phenanthrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Chrysene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Azobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 21:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		21 - 98	06/28/12 07:05	06/29/12 21:51	1
2-Fluorobiphenyl	74		30 - 112	06/28/12 07:05	06/29/12 21:51	1
Terphenyl-d14	80		32 - 117	06/28/12 07:05	06/29/12 21:51	1
2-Fluorophenol	63		28 - 98	06/28/12 07:05	06/29/12 21:51	1
Phenol-d5	64		23 - 101	06/28/12 07:05	06/29/12 21:51	1
2,4,6-Tribromophenol	70		37 - 114	06/28/12 07:05	06/29/12 21:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.1		1.0		mg/Kg		06/27/12 14:17	06/30/12 01:39	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 14:17	06/30/12 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	68		40 - 130	06/27/12 14:17	06/30/12 01:39	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 02:58	4
Arsenic	6.6		4.0		mg/Kg		07/03/12 11:27	07/04/12 02:58	4
Barium	190		2.0		mg/Kg		07/03/12 11:27	07/04/12 02:58	4
Beryllium	ND		0.40		mg/Kg		07/03/12 11:27	07/04/12 02:58	4
Cadmium	ND		0.50		mg/Kg		07/03/12 11:27	07/04/12 02:58	4
Chromium	78		2.0		mg/Kg		07/03/12 11:27	07/04/12 02:58	4
Cobalt	16		0.79		mg/Kg		07/03/12 11:27	07/04/12 02:58	4
Copper	35		5.9		mg/Kg		07/03/12 11:27	07/04/12 02:58	4
Lead	8.9		2.0		mg/Kg		07/03/12 11:27	07/04/12 02:58	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA30-G38-5.0

Lab Sample ID: 720-42947-17

Date Collected: 06/26/12 11:05

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 02:58	4
Nickel	110		2.0		mg/Kg		07/03/12 11:27	07/04/12 02:58	4
Selenium	ND		4.0		mg/Kg		07/03/12 11:27	07/04/12 02:58	4
Silver	ND		0.99		mg/Kg		07/03/12 11:27	07/04/12 02:58	4
Thallium	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 02:58	4
Vanadium	36		2.0		mg/Kg		07/03/12 11:27	07/04/12 02:58	4
Zinc	65		5.9		mg/Kg		07/03/12 11:27	07/04/12 02:58	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.073		0.0094		mg/Kg		07/02/12 17:46	07/02/12 22:46	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA31-G38-7.5

Lab Sample ID: 720-42947-18

Date Collected: 06/26/12 11:10

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/29/12 19:37	06/30/12 00:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	82		45 - 131				06/29/12 19:37	06/30/12 00:27	1
1,2-Dichloroethane-d4 (Surr)	115		60 - 140				06/29/12 19:37	06/30/12 00:27	1
Toluene-d8 (Surr)	92		58 - 140				06/29/12 19:37	06/30/12 00:27	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
2-Chlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
2-Methylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Hexachloroethane	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Nitrobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Isophorone	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
2-Nitrophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Naphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Acenaphthylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Acenaphthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Dibenzofuran	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Fluorene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:15	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA31-G38-7.5

Lab Sample ID: 720-42947-18

Date Collected: 06/26/12 11:10

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Phenanthrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Chrysene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Azobenzene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/28/12 07:05	06/29/12 22:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	70		21 - 98	06/28/12 07:05	06/29/12 22:15	1
2-Fluorobiphenyl	76		30 - 112	06/28/12 07:05	06/29/12 22:15	1
Terphenyl-d14	80		32 - 117	06/28/12 07:05	06/29/12 22:15	1
2-Fluorophenol	66		28 - 98	06/28/12 07:05	06/29/12 22:15	1
Phenol-d5	67		23 - 101	06/28/12 07:05	06/29/12 22:15	1
2,4,6-Tribromophenol	71		37 - 114	06/28/12 07:05	06/29/12 22:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.99		0.99		mg/Kg		06/27/12 14:17	06/30/12 02:03	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		06/27/12 14:17	06/30/12 02:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	78		40 - 130	06/27/12 14:17	06/30/12 02:03	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		06/27/12 11:16	06/29/12 05:38	1
PCB-1221	ND		50		ug/Kg		06/27/12 11:16	06/29/12 05:38	1
PCB-1232	ND		50		ug/Kg		06/27/12 11:16	06/29/12 05:38	1
PCB-1242	ND		50		ug/Kg		06/27/12 11:16	06/29/12 05:38	1
PCB-1248	ND		50		ug/Kg		06/27/12 11:16	06/29/12 05:38	1
PCB-1254	ND		50		ug/Kg		06/27/12 11:16	06/29/12 05:38	1
PCB-1260	ND		50		ug/Kg		06/27/12 11:16	06/29/12 05:38	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA31-G38-7.5

Lab Sample ID: 720-42947-18

Date Collected: 06/26/12 11:10

Matrix: Solid

Date Received: 06/26/12 15:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	81		32 - 112	06/27/12 11:16	06/29/12 05:38	1
DCB Decachlorobiphenyl	92		2 - 122	06/27/12 11:16	06/29/12 05:38	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:02	4
Arsenic	7.6		3.8		mg/Kg		07/03/12 11:27	07/04/12 03:02	4
Barium	230		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:02	4
Beryllium	ND		0.38		mg/Kg		07/03/12 11:27	07/04/12 03:02	4
Cadmium	ND		0.48		mg/Kg		07/03/12 11:27	07/04/12 03:02	4
Chromium	86		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:02	4
Cobalt	19		0.77		mg/Kg		07/03/12 11:27	07/04/12 03:02	4
Copper	44		5.8		mg/Kg		07/03/12 11:27	07/04/12 03:02	4
Lead	9.9		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:02	4
Molybdenum	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:02	4
Nickel	120		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:02	4
Selenium	ND		3.8		mg/Kg		07/03/12 11:27	07/04/12 03:02	4
Silver	ND		0.96		mg/Kg		07/03/12 11:27	07/04/12 03:02	4
Thallium	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:02	4
Vanadium	41		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:02	4
Zinc	69		5.8		mg/Kg		07/03/12 11:27	07/04/12 03:02	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.078		0.0092		mg/Kg		07/02/12 17:46	07/02/12 22:48	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA10-G26-2.0

Lab Sample ID: 720-42947-19

Date Collected: 06/26/12 12:10

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/28/12 07:00	06/28/12 11:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	80		45 - 131				06/28/12 07:00	06/28/12 11:27	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 140				06/28/12 07:00	06/28/12 11:27	1
Toluene-d8 (Surr)	95		58 - 140				06/28/12 07:00	06/28/12 11:27	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:39	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA10-G26-2.0

Lab Sample ID: 720-42947-19

Date Collected: 06/26/12 12:10

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 22:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		21 - 98	06/28/12 07:05	06/29/12 22:39	1
2-Fluorobiphenyl	74		30 - 112	06/28/12 07:05	06/29/12 22:39	1
Terphenyl-d14	78		32 - 117	06/28/12 07:05	06/29/12 22:39	1
2-Fluorophenol	63		28 - 98	06/28/12 07:05	06/29/12 22:39	1
Phenol-d5	65		23 - 101	06/28/12 07:05	06/29/12 22:39	1
2,4,6-Tribromophenol	67		37 - 114	06/28/12 07:05	06/29/12 22:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/28/12 09:27	06/30/12 23:13	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/28/12 09:27	06/30/12 23:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	95		40 - 130	06/28/12 09:27	06/30/12 23:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:06	4
Arsenic	5.7		3.9		mg/Kg		07/03/12 11:27	07/04/12 03:06	4
Barium	170		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:06	4
Beryllium	ND		0.39		mg/Kg		07/03/12 11:27	07/04/12 03:06	4
Cadmium	ND		0.49		mg/Kg		07/03/12 11:27	07/04/12 03:06	4
Chromium	72		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:06	4
Cobalt	13		0.78		mg/Kg		07/03/12 11:27	07/04/12 03:06	4
Copper	32		5.9		mg/Kg		07/03/12 11:27	07/04/12 03:06	4
Lead	7.6		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:06	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA10-G26-2.0

Lab Sample ID: 720-42947-19

Date Collected: 06/26/12 12:10

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:06	4
Nickel	97		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:06	4
Selenium	ND		3.9		mg/Kg		07/03/12 11:27	07/04/12 03:06	4
Silver	ND		0.98		mg/Kg		07/03/12 11:27	07/04/12 03:06	4
Thallium	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:06	4
Vanadium	32		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:06	4
Zinc	52		5.9		mg/Kg		07/03/12 11:27	07/04/12 03:06	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.071		0.0090		mg/Kg		07/02/12 17:46	07/02/12 22:51	1



Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA11-G26-5.0

Lab Sample ID: 720-42947-20

Date Collected: 06/26/12 12:20

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/28/12 07:00	06/28/12 11:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	83		45 - 131				06/28/12 07:00	06/28/12 11:56	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140				06/28/12 07:00	06/28/12 11:56	1
Toluene-d8 (Surr)	93		58 - 140				06/28/12 07:00	06/28/12 11:56	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Bis(2-chloroethyl)ether	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
2-Chlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
1,3-Dichlorobenzene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
1,4-Dichlorobenzene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Benzyl alcohol	ND		0.84		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
1,2-Dichlorobenzene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
2-Methylphenol	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Methylphenol, 3 & 4	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
N-Nitrosodi-n-propylamine	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Hexachloroethane	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Nitrobenzene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Isophorone	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
2-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
2,4-Dimethylphenol	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Bis(2-chloroethoxy)methane	ND		0.84		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
2,4-Dichlorophenol	ND		1.6		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
1,2,4-Trichlorobenzene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Naphthalene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
4-Chloroaniline	ND		0.84		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Hexachlorobutadiene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
4-Chloro-3-methylphenol	ND		0.84		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
2-Methylnaphthalene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Hexachlorocyclopentadiene	ND		0.84		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
2,4,6-Trichlorophenol	ND		0.84		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
2,4,5-Trichlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
2-Chloronaphthalene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
2-Nitroaniline	ND		1.6		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Dimethyl phthalate	ND		0.84		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Acenaphthylene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
3-Nitroaniline	ND		0.84		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Acenaphthene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
2,4-Dinitrophenol	ND		3.3		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
4-Nitrophenol	ND		1.6		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Dibenzofuran	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
2,4-Dinitrotoluene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
2,6-Dinitrotoluene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Diethyl phthalate	ND		0.84		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
4-Chlorophenyl phenyl ether	ND		0.84		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Fluorene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
4-Nitroaniline	ND		1.6		mg/Kg		06/28/12 07:34	07/03/12 12:58	5

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA11-G26-5.0

Lab Sample ID: 720-42947-20

Date Collected: 06/26/12 12:20

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		1.6		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
N-Nitrosodiphenylamine	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
4-Bromophenyl phenyl ether	ND		0.84		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Hexachlorobenzene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Pentachlorophenol	ND		1.6		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Phenanthrene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Anthracene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Di-n-butyl phthalate	ND		0.84		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Fluoranthene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Pyrene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Butyl benzyl phthalate	ND		0.84		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
3,3'-Dichlorobenzidine	ND		0.84		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Benzo[a]anthracene	ND		1.6		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Bis(2-ethylhexyl) phthalate	ND		1.6		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Chrysene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Di-n-octyl phthalate	ND		0.84		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Benzo[b]fluoranthene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Benzo[a]pyrene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Benzo[k]fluoranthene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Indeno[1,2,3-cd]pyrene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Benzo[g,h,i]perylene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Benzoic acid	ND		1.6		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Azobenzene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5
Dibenz(a,h)anthracene	ND		0.33		mg/Kg		06/28/12 07:34	07/03/12 12:58	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	49		21 - 98	06/28/12 07:34	07/03/12 12:58	5
2-Fluorobiphenyl	57		30 - 112	06/28/12 07:34	07/03/12 12:58	5
Terphenyl-d14	57		32 - 117	06/28/12 07:34	07/03/12 12:58	5
2-Fluorophenol	48		28 - 98	06/28/12 07:34	07/03/12 12:58	5
Phenol-d5	50		23 - 101	06/28/12 07:34	07/03/12 12:58	5
2,4,6-Tribromophenol	48		37 - 114	06/28/12 07:34	07/03/12 12:58	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	81		3.0		mg/Kg		06/28/12 09:27	07/02/12 18:56	3
Motor Oil Range Organics [C24-C36]	440		150		mg/Kg		06/28/12 09:27	07/02/12 18:56	3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	42		40 - 130	06/28/12 09:27	07/02/12 18:56	3

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		06/27/12 11:16	06/29/12 05:55	1
PCB-1221	ND		49		ug/Kg		06/27/12 11:16	06/29/12 05:55	1
PCB-1232	ND		49		ug/Kg		06/27/12 11:16	06/29/12 05:55	1
PCB-1242	ND		49		ug/Kg		06/27/12 11:16	06/29/12 05:55	1
PCB-1248	ND		49		ug/Kg		06/27/12 11:16	06/29/12 05:55	1
PCB-1254	ND		49		ug/Kg		06/27/12 11:16	06/29/12 05:55	1
PCB-1260	ND		49		ug/Kg		06/27/12 11:16	06/29/12 05:55	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA11-G26-5.0

Lab Sample ID: 720-42947-20

Date Collected: 06/26/12 12:20

Matrix: Solid

Date Received: 06/26/12 15:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		32 - 112	06/27/12 11:16	06/29/12 05:55	1
DCB Decachlorobiphenyl	82		2 - 122	06/27/12 11:16	06/29/12 05:55	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:11	4
Arsenic	5.2		3.8		mg/Kg		07/03/12 11:27	07/04/12 03:11	4
Barium	270		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:11	4
Beryllium	ND		0.38		mg/Kg		07/03/12 11:27	07/04/12 03:11	4
Cadmium	ND		0.48		mg/Kg		07/03/12 11:27	07/04/12 03:11	4
Chromium	65		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:11	4
Cobalt	15		0.76		mg/Kg		07/03/12 11:27	07/04/12 03:11	4
Copper	32		5.7		mg/Kg		07/03/12 11:27	07/04/12 03:11	4
Lead	8.8		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:11	4
Molybdenum	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:11	4
Nickel	93		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:11	4
Selenium	ND		3.8		mg/Kg		07/03/12 11:27	07/04/12 03:11	4
Silver	ND		0.95		mg/Kg		07/03/12 11:27	07/04/12 03:11	4
Thallium	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:11	4
Vanadium	42		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:11	4
Zinc	51		5.7		mg/Kg		07/03/12 11:27	07/04/12 03:11	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.0097		mg/Kg		07/02/12 17:46	07/02/12 22:54	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA09-G20-4.0

Lab Sample ID: 720-42947-21

Date Collected: 06/26/12 12:40

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/28/12 07:00	06/28/12 12:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		45 - 131				06/28/12 07:00	06/28/12 12:25	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 140				06/28/12 07:00	06/28/12 12:25	1
Toluene-d8 (Surr)	95		58 - 140				06/28/12 07:00	06/28/12 12:25	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:04	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA09-G20-4.0

Lab Sample ID: 720-42947-21

Date Collected: 06/26/12 12:40

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	69		21 - 98	06/28/12 07:34	07/02/12 15:04	1
2-Fluorobiphenyl	72		30 - 112	06/28/12 07:34	07/02/12 15:04	1
Terphenyl-d14	75		32 - 117	06/28/12 07:34	07/02/12 15:04	1
2-Fluorophenol	66		28 - 98	06/28/12 07:34	07/02/12 15:04	1
Phenol-d5	65		23 - 101	06/28/12 07:34	07/02/12 15:04	1
2,4,6-Tribromophenol	69		37 - 114	06/28/12 07:34	07/02/12 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		06/28/12 09:27	07/02/12 11:46	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/28/12 09:27	07/02/12 11:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	91		40 - 130	06/28/12 09:27	07/02/12 11:46	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:15	4
Arsenic	6.5		3.9		mg/Kg		07/03/12 11:27	07/04/12 03:15	4
Barium	230		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:15	4
Beryllium	ND		0.39		mg/Kg		07/03/12 11:27	07/04/12 03:15	4
Cadmium	ND		0.49		mg/Kg		07/03/12 11:27	07/04/12 03:15	4
Chromium	80		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:15	4
Cobalt	20		0.78		mg/Kg		07/03/12 11:27	07/04/12 03:15	4
Copper	41		5.9		mg/Kg		07/03/12 11:27	07/04/12 03:15	4
Lead	10		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:15	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA09-G20-4.0

Lab Sample ID: 720-42947-21

Date Collected: 06/26/12 12:40

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:15	4
Nickel	140		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:15	4
Selenium	ND		3.9		mg/Kg		07/03/12 11:27	07/04/12 03:15	4
Silver	ND		0.98		mg/Kg		07/03/12 11:27	07/04/12 03:15	4
Thallium	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:15	4
Vanadium	34		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:15	4
Zinc	63		5.9		mg/Kg		07/03/12 11:27	07/04/12 03:15	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10		0.0095		mg/Kg		07/02/12 18:20	07/03/12 00:50	1



Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA08-G18-5.0

Lab Sample ID: 720-42947-22

Date Collected: 06/26/12 12:55

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/28/12 07:00	06/28/12 12:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		45 - 131				06/28/12 07:00	06/28/12 12:54	1
1,2-Dichloroethane-d4 (Surr)	103		60 - 140				06/28/12 07:00	06/28/12 12:54	1
Toluene-d8 (Surr)	96		58 - 140				06/28/12 07:00	06/28/12 12:54	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
2-Chlorophenol	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
2-Methylphenol	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Hexachloroethane	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Nitrobenzene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Isophorone	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
2-Nitrophenol	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Naphthalene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Acenaphthylene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Acenaphthene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Dibenzofuran	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Fluorene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:28	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA08-G18-5.0

Lab Sample ID: 720-42947-22

Date Collected: 06/26/12 12:55

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Phenanthrene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Anthracene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Fluoranthene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Pyrene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Chrysene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Azobenzene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	74		21 - 98	06/28/12 07:34	07/02/12 15:28	1
2-Fluorobiphenyl	79		30 - 112	06/28/12 07:34	07/02/12 15:28	1
Terphenyl-d14	82		32 - 117	06/28/12 07:34	07/02/12 15:28	1
2-Fluorophenol	71		28 - 98	06/28/12 07:34	07/02/12 15:28	1
Phenol-d5	71		23 - 101	06/28/12 07:34	07/02/12 15:28	1
2,4,6-Tribromophenol	76		37 - 114	06/28/12 07:34	07/02/12 15:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/28/12 09:27	07/02/12 12:13	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		06/28/12 09:27	07/02/12 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	96		40 - 130	06/28/12 09:27	07/02/12 12:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:19	4
Arsenic	4.9		3.8		mg/Kg		07/03/12 11:27	07/04/12 03:19	4
Barium	130		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:19	4
Beryllium	ND		0.38		mg/Kg		07/03/12 11:27	07/04/12 03:19	4
Cadmium	ND		0.47		mg/Kg		07/03/12 11:27	07/04/12 03:19	4
Chromium	65		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:19	4
Cobalt	12		0.75		mg/Kg		07/03/12 11:27	07/04/12 03:19	4
Copper	29		5.7		mg/Kg		07/03/12 11:27	07/04/12 03:19	4
Lead	6.2		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:19	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA08-G18-5.0

Lab Sample ID: 720-42947-22

Date Collected: 06/26/12 12:55

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:19	4
Nickel	86		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:19	4
Selenium	ND		3.8		mg/Kg		07/03/12 11:27	07/04/12 03:19	4
Silver	ND		0.94		mg/Kg		07/03/12 11:27	07/04/12 03:19	4
Thallium	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:19	4
Vanadium	31		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:19	4
Zinc	50		5.7		mg/Kg		07/03/12 11:27	07/04/12 03:19	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.068		0.010		mg/Kg		07/02/12 18:20	07/02/12 23:50	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA07-G17-5.0

Lab Sample ID: 720-42947-23

Date Collected: 06/26/12 13:10

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/28/12 07:00	06/28/12 13:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	80		45 - 131				06/28/12 07:00	06/28/12 13:23	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 140				06/28/12 07:00	06/28/12 13:23	1
Toluene-d8 (Surr)	93		58 - 140				06/28/12 07:00	06/28/12 13:23	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
2-Chlorophenol	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
2-Methylphenol	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Hexachloroethane	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Nitrobenzene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Isophorone	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
2-Nitrophenol	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Naphthalene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Hexachlorobutadiene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
2-Methylnaphthalene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
2-Chloronaphthalene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Acenaphthylene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Acenaphthene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Dibenzofuran	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Fluorene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:54	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA07-G17-5.0

Lab Sample ID: 720-42947-23

Date Collected: 06/26/12 13:10

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Hexachlorobenzene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Phenanthrene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Anthracene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Fluoranthene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Pyrene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Chrysene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Benzo[a]pyrene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Azobenzene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		06/28/12 07:34	07/02/12 15:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	68		21 - 98	06/28/12 07:34	07/02/12 15:54	1
2-Fluorobiphenyl	72		30 - 112	06/28/12 07:34	07/02/12 15:54	1
Terphenyl-d14	76		32 - 117	06/28/12 07:34	07/02/12 15:54	1
2-Fluorophenol	66		28 - 98	06/28/12 07:34	07/02/12 15:54	1
Phenol-d5	65		23 - 101	06/28/12 07:34	07/02/12 15:54	1
2,4,6-Tribromophenol	67		37 - 114	06/28/12 07:34	07/02/12 15:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/28/12 09:27	07/02/12 12:37	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		06/28/12 09:27	07/02/12 12:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	92		40 - 130	06/28/12 09:27	07/02/12 12:37	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:23	4
Arsenic	6.4		3.8		mg/Kg		07/03/12 11:27	07/04/12 03:23	4
Barium	240		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:23	4
Beryllium	ND		0.38		mg/Kg		07/03/12 11:27	07/04/12 03:23	4
Cadmium	ND		0.48		mg/Kg		07/03/12 11:27	07/04/12 03:23	4
Chromium	84		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:23	4
Cobalt	17		0.76		mg/Kg		07/03/12 11:27	07/04/12 03:23	4
Copper	40		5.7		mg/Kg		07/03/12 11:27	07/04/12 03:23	4
Lead	8.2		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:23	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA07-G17-5.0

Lab Sample ID: 720-42947-23

Date Collected: 06/26/12 13:10

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:23	4
Nickel	130		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:23	4
Selenium	ND		3.8		mg/Kg		07/03/12 11:27	07/04/12 03:23	4
Silver	ND		0.95		mg/Kg		07/03/12 11:27	07/04/12 03:23	4
Thallium	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:23	4
Vanadium	37		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:23	4
Zinc	59		5.7		mg/Kg		07/03/12 11:27	07/04/12 03:23	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.24		0.0092		mg/Kg		07/02/12 18:20	07/02/12 23:53	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA05-G16-2.0

Lab Sample ID: 720-42947-24

Date Collected: 06/26/12 13:15

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/28/12 07:00	06/28/12 13:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	78		45 - 131				06/28/12 07:00	06/28/12 13:52	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 140				06/28/12 07:00	06/28/12 13:52	1
Toluene-d8 (Surr)	93		58 - 140				06/28/12 07:00	06/28/12 13:52	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:21	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA05-G16-2.0

Lab Sample ID: 720-42947-24

Date Collected: 06/26/12 13:15

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	64		21 - 98	06/28/12 07:34	07/02/12 16:21	1
2-Fluorobiphenyl	68		30 - 112	06/28/12 07:34	07/02/12 16:21	1
Terphenyl-d14	74		32 - 117	06/28/12 07:34	07/02/12 16:21	1
2-Fluorophenol	61		28 - 98	06/28/12 07:34	07/02/12 16:21	1
Phenol-d5	62		23 - 101	06/28/12 07:34	07/02/12 16:21	1
2,4,6-Tribromophenol	63		37 - 114	06/28/12 07:34	07/02/12 16:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		06/28/12 09:27	07/02/12 13:02	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/28/12 09:27	07/02/12 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	93		40 - 130	06/28/12 09:27	07/02/12 13:02	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:36	4
Arsenic	6.3		3.9		mg/Kg		07/03/12 11:27	07/04/12 03:36	4
Barium	200		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:36	4
Beryllium	ND		0.39		mg/Kg		07/03/12 11:27	07/04/12 03:36	4
Cadmium	ND		0.49		mg/Kg		07/03/12 11:27	07/04/12 03:36	4
Chromium	75		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:36	4
Cobalt	16		0.78		mg/Kg		07/03/12 11:27	07/04/12 03:36	4
Copper	34		5.8		mg/Kg		07/03/12 11:27	07/04/12 03:36	4
Lead	8.2		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:36	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA05-G16-2.0

Lab Sample ID: 720-42947-24

Date Collected: 06/26/12 13:15

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:36	4
Nickel	120		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:36	4
Selenium	ND		3.9		mg/Kg		07/03/12 11:27	07/04/12 03:36	4
Silver	ND		0.97		mg/Kg		07/03/12 11:27	07/04/12 03:36	4
Thallium	ND		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:36	4
Vanadium	32		1.9		mg/Kg		07/03/12 11:27	07/04/12 03:36	4
Zinc	58		5.8		mg/Kg		07/03/12 11:27	07/04/12 03:36	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.0091		mg/Kg		07/02/12 18:20	07/02/12 23:56	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA06-G16-7.5

Lab Sample ID: 720-42947-25

Date Collected: 06/26/12 13:30

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/28/12 07:00	06/28/12 14:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	77		45 - 131				06/28/12 07:00	06/28/12 14:21	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 140				06/28/12 07:00	06/28/12 14:21	1
Toluene-d8 (Surr)	91		58 - 140				06/28/12 07:00	06/28/12 14:21	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:45	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA06-G16-7.5

Lab Sample ID: 720-42947-25

Date Collected: 06/26/12 13:30

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	70		21 - 98	06/28/12 07:34	07/02/12 16:45	1
2-Fluorobiphenyl	72		30 - 112	06/28/12 07:34	07/02/12 16:45	1
Terphenyl-d14	74		32 - 117	06/28/12 07:34	07/02/12 16:45	1
2-Fluorophenol	65		28 - 98	06/28/12 07:34	07/02/12 16:45	1
Phenol-d5	65		23 - 101	06/28/12 07:34	07/02/12 16:45	1
2,4,6-Tribromophenol	68		37 - 114	06/28/12 07:34	07/02/12 16:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/28/12 09:27	07/02/12 13:26	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		06/28/12 09:27	07/02/12 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	91		40 - 130	06/28/12 09:27	07/02/12 13:26	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		06/27/12 11:16	06/29/12 06:12	1
PCB-1221	ND		50		ug/Kg		06/27/12 11:16	06/29/12 06:12	1
PCB-1232	ND		50		ug/Kg		06/27/12 11:16	06/29/12 06:12	1
PCB-1242	ND		50		ug/Kg		06/27/12 11:16	06/29/12 06:12	1
PCB-1248	ND		50		ug/Kg		06/27/12 11:16	06/29/12 06:12	1
PCB-1254	ND		50		ug/Kg		06/27/12 11:16	06/29/12 06:12	1
PCB-1260	ND		50		ug/Kg		06/27/12 11:16	06/29/12 06:12	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA06-G16-7.5

Lab Sample ID: 720-42947-25

Date Collected: 06/26/12 13:30

Matrix: Solid

Date Received: 06/26/12 15:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		32 - 112	06/27/12 11:16	06/29/12 06:12	1
DCB Decachlorobiphenyl	82		2 - 122	06/27/12 11:16	06/29/12 06:12	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:41	4
Arsenic	5.6		4.0		mg/Kg		07/03/12 11:27	07/04/12 03:41	4
Barium	180		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:41	4
Beryllium	ND		0.40		mg/Kg		07/03/12 11:27	07/04/12 03:41	4
Cadmium	ND		0.50		mg/Kg		07/03/12 11:27	07/04/12 03:41	4
Chromium	66		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:41	4
Cobalt	15		0.80		mg/Kg		07/03/12 11:27	07/04/12 03:41	4
Copper	31		6.0		mg/Kg		07/03/12 11:27	07/04/12 03:41	4
Lead	7.5		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:41	4
Molybdenum	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:41	4
Nickel	110		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:41	4
Selenium	ND		4.0		mg/Kg		07/03/12 11:27	07/04/12 03:41	4
Silver	ND		1.0		mg/Kg		07/03/12 11:27	07/04/12 03:41	4
Thallium	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:41	4
Vanadium	30		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:41	4
Zinc	55		6.0		mg/Kg		07/03/12 11:27	07/04/12 03:41	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.098		0.0098		mg/Kg		07/02/12 18:20	07/02/12 23:58	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA01-G4-2.0

Lab Sample ID: 720-42947-26

Date Collected: 06/26/12 13:40

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/28/12 07:00	06/28/12 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	77		45 - 131				06/28/12 07:00	06/28/12 14:50	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 140				06/28/12 07:00	06/28/12 14:50	1
Toluene-d8 (Surr)	92		58 - 140				06/28/12 07:00	06/28/12 14:50	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:09	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA01-G4-2.0

Lab Sample ID: 720-42947-26

Date Collected: 06/26/12 13:40

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	60		21 - 98	06/28/12 07:34	07/02/12 17:09	1
2-Fluorobiphenyl	65		30 - 112	06/28/12 07:34	07/02/12 17:09	1
Terphenyl-d14	68		32 - 117	06/28/12 07:34	07/02/12 17:09	1
2-Fluorophenol	59		28 - 98	06/28/12 07:34	07/02/12 17:09	1
Phenol-d5	58		23 - 101	06/28/12 07:34	07/02/12 17:09	1
2,4,6-Tribromophenol	62		37 - 114	06/28/12 07:34	07/02/12 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		06/28/12 09:27	07/02/12 13:51	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/28/12 09:27	07/02/12 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	88		40 - 130	06/28/12 09:27	07/02/12 13:51	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		06/27/12 11:16	06/29/12 06:29	1
PCB-1221	ND		49		ug/Kg		06/27/12 11:16	06/29/12 06:29	1
PCB-1232	ND		49		ug/Kg		06/27/12 11:16	06/29/12 06:29	1
PCB-1242	ND		49		ug/Kg		06/27/12 11:16	06/29/12 06:29	1
PCB-1248	ND		49		ug/Kg		06/27/12 11:16	06/29/12 06:29	1
PCB-1254	ND		49		ug/Kg		06/27/12 11:16	06/29/12 06:29	1
PCB-1260	ND		49		ug/Kg		06/27/12 11:16	06/29/12 06:29	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA01-G4-2.0

Lab Sample ID: 720-42947-26

Date Collected: 06/26/12 13:40

Matrix: Solid

Date Received: 06/26/12 15:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		32 - 112	06/27/12 11:16	06/29/12 06:29	1
DCB Decachlorobiphenyl	86		2 - 122	06/27/12 11:16	06/29/12 06:29	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:45	4
Arsenic	6.8		3.9		mg/Kg		07/03/12 11:27	07/04/12 03:45	4
Barium	220		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:45	4
Beryllium	ND		0.39		mg/Kg		07/03/12 11:27	07/04/12 03:45	4
Cadmium	ND		0.49		mg/Kg		07/03/12 11:27	07/04/12 03:45	4
Chromium	84		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:45	4
Cobalt	18		0.78		mg/Kg		07/03/12 11:27	07/04/12 03:45	4
Copper	40		5.9		mg/Kg		07/03/12 11:27	07/04/12 03:45	4
Lead	9.7		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:45	4
Molybdenum	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:45	4
Nickel	130		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:45	4
Selenium	ND		3.9		mg/Kg		07/03/12 11:27	07/04/12 03:45	4
Silver	ND		0.98		mg/Kg		07/03/12 11:27	07/04/12 03:45	4
Thallium	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:45	4
Vanadium	37		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:45	4
Zinc	67		5.9		mg/Kg		07/03/12 11:27	07/04/12 03:45	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.15		0.0090		mg/Kg		07/02/12 18:20	07/03/12 00:06	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA02-G5-2.0

Lab Sample ID: 720-42947-27

Date Collected: 06/26/12 14:10

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/28/12 07:00	06/28/12 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	77		45 - 131				06/28/12 07:00	06/28/12 15:19	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 140				06/28/12 07:00	06/28/12 15:19	1
Toluene-d8 (Surr)	91		58 - 140				06/28/12 07:00	06/28/12 15:19	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:33	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA02-G5-2.0

Lab Sample ID: 720-42947-27

Date Collected: 06/26/12 14:10

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	65		21 - 98	06/28/12 07:34	07/02/12 17:33	1
2-Fluorobiphenyl	69		30 - 112	06/28/12 07:34	07/02/12 17:33	1
Terphenyl-d14	69		32 - 117	06/28/12 07:34	07/02/12 17:33	1
2-Fluorophenol	61		28 - 98	06/28/12 07:34	07/02/12 17:33	1
Phenol-d5	60		23 - 101	06/28/12 07:34	07/02/12 17:33	1
2,4,6-Tribromophenol	61		37 - 114	06/28/12 07:34	07/02/12 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		06/28/12 09:27	07/02/12 14:16	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/28/12 09:27	07/02/12 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	76		40 - 130	06/28/12 09:27	07/02/12 14:16	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:49	4
Arsenic	6.3		4.0		mg/Kg		07/03/12 11:27	07/04/12 03:49	4
Barium	190		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:49	4
Beryllium	ND		0.40		mg/Kg		07/03/12 11:27	07/04/12 03:49	4
Cadmium	ND		0.50		mg/Kg		07/03/12 11:27	07/04/12 03:49	4
Chromium	77		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:49	4
Cobalt	14		0.79		mg/Kg		07/03/12 11:27	07/04/12 03:49	4
Copper	34		5.9		mg/Kg		07/03/12 11:27	07/04/12 03:49	4
Lead	8.4		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:49	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA02-G5-2.0

Lab Sample ID: 720-42947-27

Date Collected: 06/26/12 14:10

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:49	4
Nickel	99		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:49	4
Selenium	ND		4.0		mg/Kg		07/03/12 11:27	07/04/12 03:49	4
Silver	ND		0.99		mg/Kg		07/03/12 11:27	07/04/12 03:49	4
Thallium	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:49	4
Vanadium	34		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:49	4
Zinc	60		5.9		mg/Kg		07/03/12 11:27	07/04/12 03:49	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.099		0.0090		mg/Kg		07/02/12 18:20	07/03/12 00:09	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA03-G7-2.0

Lab Sample ID: 720-42947-28

Date Collected: 06/26/12 14:20

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/29/12 19:37	06/30/12 00:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		45 - 131				06/29/12 19:37	06/30/12 00:57	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 140				06/29/12 19:37	06/30/12 00:57	1
Toluene-d8 (Surr)	95		58 - 140				06/29/12 19:37	06/30/12 00:57	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:57	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA03-G7-2.0

Lab Sample ID: 720-42947-28

Date Collected: 06/26/12 14:20

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	53		21 - 98	06/28/12 07:34	07/02/12 17:57	1
2-Fluorobiphenyl	59		30 - 112	06/28/12 07:34	07/02/12 17:57	1
Terphenyl-d14	63		32 - 117	06/28/12 07:34	07/02/12 17:57	1
2-Fluorophenol	51		28 - 98	06/28/12 07:34	07/02/12 17:57	1
Phenol-d5	52		23 - 101	06/28/12 07:34	07/02/12 17:57	1
2,4,6-Tribromophenol	55		37 - 114	06/28/12 07:34	07/02/12 17:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.1		0.99		mg/Kg		06/28/12 09:27	07/02/12 14:40	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		06/28/12 09:27	07/02/12 14:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	87		40 - 130	06/28/12 09:27	07/02/12 14:40	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:53	4
Arsenic	5.7		4.0		mg/Kg		07/03/12 11:27	07/04/12 03:53	4
Barium	220		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:53	4
Beryllium	ND		0.40		mg/Kg		07/03/12 11:27	07/04/12 03:53	4
Cadmium	ND		0.50		mg/Kg		07/03/12 11:27	07/04/12 03:53	4
Chromium	82		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:53	4
Cobalt	17		0.80		mg/Kg		07/03/12 11:27	07/04/12 03:53	4
Copper	37		6.0		mg/Kg		07/03/12 11:27	07/04/12 03:53	4
Lead	7.8		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:53	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA03-G7-2.0

Lab Sample ID: 720-42947-28

Date Collected: 06/26/12 14:20

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:53	4
Nickel	130		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:53	4
Selenium	ND		4.0		mg/Kg		07/03/12 11:27	07/04/12 03:53	4
Silver	ND		1.0		mg/Kg		07/03/12 11:27	07/04/12 03:53	4
Thallium	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:53	4
Vanadium	35		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:53	4
Zinc	59		6.0		mg/Kg		07/03/12 11:27	07/04/12 03:53	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.0095		mg/Kg		07/02/12 18:20	07/03/12 00:12	1



Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA04-G8-2.0

Lab Sample ID: 720-42947-29

Date Collected: 06/26/12 14:30

Matrix: Solid

Date Received: 06/26/12 15:40

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		06/28/12 07:00	06/28/12 16:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	73		45 - 131				06/28/12 07:00	06/28/12 16:17	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 140				06/28/12 07:00	06/28/12 16:17	1
Toluene-d8 (Surr)	91		58 - 140				06/28/12 07:00	06/28/12 16:17	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 20:47	1

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA04-G8-2.0

Lab Sample ID: 720-42947-29

Date Collected: 06/26/12 14:30

Matrix: Solid

Date Received: 06/26/12 15:40

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:34	07/02/12 20:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	51		21 - 98	06/28/12 07:34	07/02/12 20:47	1
2-Fluorobiphenyl	56		30 - 112	06/28/12 07:34	07/02/12 20:47	1
Terphenyl-d14	58		32 - 117	06/28/12 07:34	07/02/12 20:47	1
2-Fluorophenol	50		28 - 98	06/28/12 07:34	07/02/12 20:47	1
Phenol-d5	47		23 - 101	06/28/12 07:34	07/02/12 20:47	1
2,4,6-Tribromophenol	51		37 - 114	06/28/12 07:34	07/02/12 20:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		06/28/12 09:27	07/02/12 15:04	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/28/12 09:27	07/02/12 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	84		40 - 130	06/28/12 09:27	07/02/12 15:04	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:58	4
Arsenic	7.0		4.0		mg/Kg		07/03/12 11:27	07/04/12 03:58	4
Barium	220		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:58	4
Beryllium	ND		0.40		mg/Kg		07/03/12 11:27	07/04/12 03:58	4
Cadmium	ND		0.50		mg/Kg		07/03/12 11:27	07/04/12 03:58	4
Chromium	80		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:58	4
Cobalt	16		0.80		mg/Kg		07/03/12 11:27	07/04/12 03:58	4
Copper	38		6.0		mg/Kg		07/03/12 11:27	07/04/12 03:58	4
Lead	8.7		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:58	4

Client Sample Results

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA04-G8-2.0

Lab Sample ID: 720-42947-29

Date Collected: 06/26/12 14:30

Matrix: Solid

Date Received: 06/26/12 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:58	4
Nickel	120		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:58	4
Selenium	ND		4.0		mg/Kg		07/03/12 11:27	07/04/12 03:58	4
Silver	ND		1.0		mg/Kg		07/03/12 11:27	07/04/12 03:58	4
Thallium	ND		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:58	4
Vanadium	37		2.0		mg/Kg		07/03/12 11:27	07/04/12 03:58	4
Zinc	62		6.0		mg/Kg		07/03/12 11:27	07/04/12 03:58	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.092		0.0097		mg/Kg		07/02/12 18:20	07/03/12 00:14	1



QC Sample Results

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

TestAmerica Job ID: 720-42947-1

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

Lab Sample ID: MB 720-116249/1-A

Matrix: Solid

Analysis Batch: 116233

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116249

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		06/27/12 16:00	06/27/12 16:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		45 - 131	06/27/12 16:00	06/27/12 16:37	1
1,2-Dichloroethane-d4 (Surr)	109		60 - 140	06/27/12 16:00	06/27/12 16:37	1
Toluene-d8 (Surr)	101		58 - 140	06/27/12 16:00	06/27/12 16:37	1

Lab Sample ID: LCS 720-116249/4-A

Matrix: Solid

Analysis Batch: 116233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116249

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	1010		ug/Kg		101	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	103		45 - 131
1,2-Dichloroethane-d4 (Surr)	113		60 - 140
Toluene-d8 (Surr)	104		58 - 140

Lab Sample ID: LCSD 720-116249/5-A

Matrix: Solid

Analysis Batch: 116233

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116249

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	998		ug/Kg		100	61 - 128	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	104		45 - 131
1,2-Dichloroethane-d4 (Surr)	112		60 - 140
Toluene-d8 (Surr)	104		58 - 140

Lab Sample ID: MB 720-116256/1-A

Matrix: Solid

Analysis Batch: 116236

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		06/27/12 19:05	06/27/12 19:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		45 - 131	06/27/12 19:05	06/27/12 19:24	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 140	06/27/12 19:05	06/27/12 19:24	1
Toluene-d8 (Surr)	99		58 - 140	06/27/12 19:05	06/27/12 19:24	1

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

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

Lab Sample ID: LCS 720-116256/4-A

Matrix: Solid

Analysis Batch: 116236

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	953		ug/Kg		95	61 - 128
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene	100		45 - 131				
1,2-Dichloroethane-d4 (Surr)	105		60 - 140				
Toluene-d8 (Surr)	105		58 - 140				

Lab Sample ID: LCSD 720-116256/5-A

Matrix: Solid

Analysis Batch: 116236

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116256

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO) -C5-C12	1000	926		ug/Kg		93	61 - 128	3	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene	96		45 - 131						
1,2-Dichloroethane-d4 (Surr)	98		60 - 140						
Toluene-d8 (Surr)	102		58 - 140						

Lab Sample ID: 720-42947-A-18-D MS

Matrix: Solid

Analysis Batch: 116236

Client Sample ID: 720-42947-A-18-D MS

Prep Type: Total/NA

Prep Batch: 116256

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	ND		992	852		ug/Kg		86	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene	97		45 - 131						
1,2-Dichloroethane-d4 (Surr)	111		60 - 140						
Toluene-d8 (Surr)	103		58 - 140						

Lab Sample ID: 720-42947-A-18-E MSD

Matrix: Solid

Analysis Batch: 116236

Client Sample ID: 720-42947-A-18-E MSD

Prep Type: Total/NA

Prep Batch: 116256

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO) -C5-C12	ND		1000	890		ug/Kg		89	70 - 130	4	20
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene	94		45 - 131								
1,2-Dichloroethane-d4 (Surr)	102		60 - 140								
Toluene-d8 (Surr)	104		58 - 140								

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

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

Lab Sample ID: MB 720-116280/1-A

Matrix: Solid

Analysis Batch: 116269

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116280

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		06/28/12 07:00	06/28/12 08:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		45 - 131	06/28/12 07:00	06/28/12 08:27	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140	06/28/12 07:00	06/28/12 08:27	1
Toluene-d8 (Surr)	98		58 - 140	06/28/12 07:00	06/28/12 08:27	1

Lab Sample ID: LCS 720-116280/4-A

Matrix: Solid

Analysis Batch: 116269

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116280

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	868		ug/Kg		87	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	101		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	102		58 - 140

Lab Sample ID: LCSD 720-116280/5-A

Matrix: Solid

Analysis Batch: 116269

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116280

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	918		ug/Kg		92	61 - 128	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	99		45 - 131
1,2-Dichloroethane-d4 (Surr)	98		60 - 140
Toluene-d8 (Surr)	104		58 - 140

Lab Sample ID: MB 720-116366/1-A

Matrix: Solid

Analysis Batch: 116358

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		06/29/12 18:22	06/29/12 19:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		45 - 131	06/29/12 18:22	06/29/12 19:37	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140	06/29/12 18:22	06/29/12 19:37	1
Toluene-d8 (Surr)	100		58 - 140	06/29/12 18:22	06/29/12 19:37	1

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

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

Lab Sample ID: LCS 720-116366/4-A

Matrix: Solid

Analysis Batch: 116358

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116366

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	101		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	104		58 - 140

Lab Sample ID: LCSD 720-116366/5-A

Matrix: Solid

Analysis Batch: 116358

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116366

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	957		ug/Kg		96	61 - 128	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	101		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	104		58 - 140

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Lab Sample ID: MB 720-116270/1-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116270

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: MB 720-116270/1-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116270

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:05	06/29/12 12:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	62		21 - 98	06/28/12 07:05	06/29/12 12:38	1
2-Fluorobiphenyl	67		30 - 112	06/28/12 07:05	06/29/12 12:38	1

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: MB 720-116270/1-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116270

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Terphenyl-d14	78		32 - 117	06/28/12 07:05	06/29/12 12:38	1
2-Fluorophenol	60		28 - 98	06/28/12 07:05	06/29/12 12:38	1
Phenol-d5	62		23 - 101	06/28/12 07:05	06/29/12 12:38	1
2,4,6-Tribromophenol	69		37 - 114	06/28/12 07:05	06/29/12 12:38	1

Lab Sample ID: LCS 720-116270/2-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116270

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Phenol	1.65	1.09		mg/Kg		66	48 - 115
Bis(2-chloroethyl)ether	1.65	1.07		mg/Kg		65	45 - 115
2-Chlorophenol	1.65	1.09		mg/Kg		66	48 - 115
1,3-Dichlorobenzene	1.65	1.08		mg/Kg		66	41 - 115
1,4-Dichlorobenzene	1.65	1.11		mg/Kg		67	40 - 115
Benzyl alcohol	1.65	1.18		mg/Kg		72	54 - 115
1,2-Dichlorobenzene	1.65	1.11		mg/Kg		67	44 - 115
2-Methylphenol	1.65	1.07		mg/Kg		65	54 - 115
Methylphenol, 3 & 4	3.31	1.96		mg/Kg		59	42 - 115
N-Nitrosodi-n-propylamine	1.65	1.12		mg/Kg		68	46 - 115
Hexachloroethane	1.65	1.11		mg/Kg		67	44 - 115
Nitrobenzene	1.65	1.11		mg/Kg		67	48 - 115
Isophorone	1.65	1.11		mg/Kg		67	54 - 115
2-Nitrophenol	1.65	1.08		mg/Kg		65	48 - 115
2,4-Dimethylphenol	1.65	1.02		mg/Kg		61	52 - 115
Bis(2-chloroethoxy)methane	1.65	1.08		mg/Kg		66	46 - 115
2,4-Dichlorophenol	1.65	1.08		mg/Kg		66	49 - 100
1,2,4-Trichlorobenzene	1.65	1.09		mg/Kg		66	47 - 115
Naphthalene	1.65	1.15		mg/Kg		70	44 - 115
4-Chloroaniline	1.65	0.962		mg/Kg		58	30 - 115
Hexachlorobutadiene	1.65	1.13		mg/Kg		68	44 - 115
4-Chloro-3-methylphenol	1.65	1.14		mg/Kg		69	58 - 115
2-Methylnaphthalene	1.65	1.10		mg/Kg		67	49 - 115
Hexachlorocyclopentadiene	1.65	1.19		mg/Kg		72	42 - 132
2,4,6-Trichlorophenol	1.65	1.12		mg/Kg		68	45 - 115
2,4,5-Trichlorophenol	1.65	1.05		mg/Kg		64	48 - 115
2-Chloronaphthalene	1.65	1.15		mg/Kg		69	52 - 115
2-Nitroaniline	1.65	1.16		mg/Kg		70	54 - 115
Dimethyl phthalate	1.65	1.17		mg/Kg		71	64 - 119
Acenaphthylene	1.65	1.29		mg/Kg		78	61 - 129
3-Nitroaniline	1.65	0.995		mg/Kg		60	50 - 115
Acenaphthene	1.65	1.16		mg/Kg		70	50 - 115
2,4-Dinitrophenol	1.65	0.969		mg/Kg		59	21 - 115
4-Nitrophenol	1.65	1.22		mg/Kg		74	54 - 125
Dibenzofuran	1.65	1.15		mg/Kg		70	55 - 115
2,4-Dinitrotoluene	1.65	1.21		mg/Kg		73	57 - 115
2,6-Dinitrotoluene	1.65	1.22		mg/Kg		74	54 - 119
Diethyl phthalate	1.65	1.21		mg/Kg		73	49 - 117

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: LCS 720-116270/2-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116270

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorophenyl phenyl ether	1.65	1.27		mg/Kg		77	57 - 115
Fluorene	1.65	1.19		mg/Kg		72	54 - 115
4-Nitroaniline	1.65	1.20		mg/Kg		72	59 - 115
2-Methyl-4,6-dinitrophenol	1.65	1.09		mg/Kg		66	48 - 115
N-Nitrosodiphenylamine	1.65	1.13		mg/Kg		68	56 - 115
4-Bromophenyl phenyl ether	1.65	1.15		mg/Kg		70	53 - 115
Hexachlorobenzene	1.65	1.16		mg/Kg		70	55 - 115
Pentachlorophenol	1.65	1.05		mg/Kg		64	35 - 115
Phenanthrene	1.65	1.18		mg/Kg		72	54 - 115
Anthracene	1.65	1.19		mg/Kg		72	55 - 115
Di-n-butyl phthalate	1.65	1.27		mg/Kg		77	55 - 115
Fluoranthene	1.65	1.25		mg/Kg		76	54 - 115
Pyrene	1.65	1.22		mg/Kg		74	48 - 115
Butyl benzyl phthalate	1.65	1.26		mg/Kg		76	53 - 115
3,3'-Dichlorobenzidine	1.65	1.15		mg/Kg		70	42 - 115
Benzo[a]anthracene	1.65	1.20		mg/Kg		73	55 - 115
Bis(2-ethylhexyl) phthalate	1.65	1.34		mg/Kg		81	53 - 115
Chrysene	1.65	1.27		mg/Kg		77	58 - 115
Di-n-octyl phthalate	1.65	1.31		mg/Kg		79	53 - 115
Benzo[b]fluoranthene	1.65	1.05		mg/Kg		63	56 - 115
Benzo[a]pyrene	1.65	1.13		mg/Kg		68	55 - 115
Benzo[k]fluoranthene	1.65	1.27		mg/Kg		77	57 - 115
Indeno[1,2,3-cd]pyrene	1.65	1.22		mg/Kg		74	56 - 115
Benzo[g,h,i]perylene	1.65	1.25		mg/Kg		76	56 - 115
Benzoic acid	1.65	1.02		mg/Kg		62	10 - 115
Azobenzene	1.65	1.14		mg/Kg		69	52 - 115
Dibenz(a,h)anthracene	1.65	1.22		mg/Kg		74	58 - 115

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	66		21 - 98
2-Fluorobiphenyl	67		30 - 112
Terphenyl-d14	71		32 - 117
2-Fluorophenol	66		28 - 98
Phenol-d5	67		23 - 101
2,4,6-Tribromophenol	65		37 - 114

Lab Sample ID: LCSD 720-116270/3-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116270

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Phenol	1.66	1.11		mg/Kg		67	48 - 115	2	35
Bis(2-chloroethyl)ether	1.66	0.985		mg/Kg		59	45 - 115	8	35
2-Chlorophenol	1.66	1.11		mg/Kg		67	48 - 115	2	35
1,3-Dichlorobenzene	1.66	1.14		mg/Kg		69	41 - 115	5	35
1,4-Dichlorobenzene	1.66	1.06		mg/Kg		64	40 - 115	4	35
Benzyl alcohol	1.66	1.22		mg/Kg		74	54 - 115	3	35
1,2-Dichlorobenzene	1.66	1.11		mg/Kg		67	44 - 115	0	35

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: LCSD 720-116270/3-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116270

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	1.66	1.09		mg/Kg		66	54 - 115	2	35
Methylphenol, 3 & 4	3.33	2.01		mg/Kg		60	42 - 115	2	35
N-Nitrosodi-n-propylamine	1.66	1.14		mg/Kg		69	46 - 115	2	35
Hexachloroethane	1.66	1.12		mg/Kg		67	44 - 115	1	35
Nitrobenzene	1.66	1.17		mg/Kg		70	48 - 115	5	35
Isophorone	1.66	1.15		mg/Kg		69	54 - 115	4	35
2-Nitrophenol	1.66	1.15		mg/Kg		69	48 - 115	7	35
2,4-Dimethylphenol	1.66	1.08		mg/Kg		65	52 - 115	6	35
Bis(2-chloroethoxy)methane	1.66	1.14		mg/Kg		68	46 - 115	5	35
2,4-Dichlorophenol	1.66	1.17		mg/Kg		70	49 - 100	7	35
1,2,4-Trichlorobenzene	1.66	1.14		mg/Kg		69	47 - 115	4	35
Naphthalene	1.66	1.19		mg/Kg		71	44 - 115	3	35
4-Chloroaniline	1.66	0.988		mg/Kg		59	30 - 115	3	35
Hexachlorobutadiene	1.66	1.21		mg/Kg		73	44 - 115	7	35
4-Chloro-3-methylphenol	1.66	1.22		mg/Kg		73	58 - 115	7	35
2-Methylnaphthalene	1.66	1.16		mg/Kg		70	49 - 115	5	35
Hexachlorocyclopentadiene	1.66	1.29		mg/Kg		78	42 - 132	8	35
2,4,6-Trichlorophenol	1.66	1.18		mg/Kg		71	45 - 115	6	35
2,4,5-Trichlorophenol	1.66	1.09		mg/Kg		66	48 - 115	4	35
2-Chloronaphthalene	1.66	1.20		mg/Kg		72	52 - 115	4	35
2-Nitroaniline	1.66	1.20		mg/Kg		72	54 - 115	3	35
Dimethyl phthalate	1.66	1.17		mg/Kg		71	64 - 119	0	35
Acenaphthylene	1.66	1.30		mg/Kg		78	61 - 129	1	35
3-Nitroaniline	1.66	0.985		mg/Kg		59	50 - 115	1	35
Acenaphthene	1.66	1.20		mg/Kg		72	50 - 115	4	35
2,4-Dinitrophenol	1.66	1.07		mg/Kg		64	21 - 115	10	35
4-Nitrophenol	1.66	1.26		mg/Kg		76	54 - 125	3	35
Dibenzofuran	1.66	1.17		mg/Kg		70	55 - 115	1	35
2,4-Dinitrotoluene	1.66	1.23		mg/Kg		74	57 - 115	1	35
2,6-Dinitrotoluene	1.66	1.24		mg/Kg		74	54 - 119	2	35
Diethyl phthalate	1.66	1.24		mg/Kg		75	49 - 117	3	35
4-Chlorophenyl phenyl ether	1.66	1.31		mg/Kg		79	57 - 115	4	35
Fluorene	1.66	1.21		mg/Kg		73	54 - 115	2	35
4-Nitroaniline	1.66	1.23		mg/Kg		74	59 - 115	3	35
2-Methyl-4,6-dinitrophenol	1.66	1.16		mg/Kg		70	48 - 115	6	35
N-Nitrosodiphenylamine	1.66	1.15		mg/Kg		69	56 - 115	2	35
4-Bromophenyl phenyl ether	1.66	1.17		mg/Kg		70	53 - 115	1	35
Hexachlorobenzene	1.66	1.19		mg/Kg		72	55 - 115	2	35
Pentachlorophenol	1.66	1.14		mg/Kg		69	35 - 115	8	35
Phenanthrene	1.66	1.23		mg/Kg		74	54 - 115	4	35
Anthracene	1.66	1.21		mg/Kg		73	55 - 115	1	35
Di-n-butyl phthalate	1.66	1.29		mg/Kg		77	55 - 115	2	35
Fluoranthene	1.66	1.27		mg/Kg		76	54 - 115	1	35
Pyrene	1.66	1.23		mg/Kg		74	48 - 115	1	35
Butyl benzyl phthalate	1.66	1.31		mg/Kg		79	53 - 115	4	35
3,3'-Dichlorobenzidine	1.66	1.19		mg/Kg		71	42 - 115	3	35
Benzo[a]anthracene	1.66	1.27		mg/Kg		76	55 - 115	5	35
Bis(2-ethylhexyl) phthalate	1.66	1.42		mg/Kg		85	53 - 115	6	35

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: LCSD 720-116270/3-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116270

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chrysene	1.66	1.31		mg/Kg		79	58 - 115	3	35
Di-n-octyl phthalate	1.66	1.34		mg/Kg		81	53 - 115	2	35
Benzo[b]fluoranthene	1.66	1.22		mg/Kg		74	56 - 115	16	35
Benzo[a]pyrene	1.66	1.19		mg/Kg		72	55 - 115	5	35
Benzo[k]fluoranthene	1.66	1.19		mg/Kg		72	57 - 115	7	35
Indeno[1,2,3-cd]pyrene	1.66	1.26		mg/Kg		76	56 - 115	4	35
Benzo[g,h,i]perylene	1.66	1.28		mg/Kg		77	56 - 115	3	35
Benzoic acid	1.66	1.07		mg/Kg		64	10 - 115	5	35
Azobenzene	1.66	1.15		mg/Kg		69	52 - 115	0	35
Dibenz(a,h)anthracene	1.66	1.26		mg/Kg		76	58 - 115	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Nitrobenzene-d5	69		21 - 98
2-Fluorobiphenyl	67		30 - 112
Terphenyl-d14	74		32 - 117
2-Fluorophenol	66		28 - 98
Phenol-d5	69		23 - 101
2,4,6-Tribromophenol	70		37 - 114

Lab Sample ID: MB 720-116272/1-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116272

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
2-Chlorophenol	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Benzyl alcohol	ND		0.17		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
2-Methylphenol	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Hexachloroethane	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Nitrobenzene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Isophorone	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
2-Nitrophenol	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Naphthalene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
4-Chloroaniline	ND		0.17		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Hexachlorobutadiene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
2-Methylnaphthalene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		06/28/12 07:34	06/29/12 13:51	1

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: MB 720-116272/1-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116272

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
2-Chloronaphthalene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
2-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Dimethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Acenaphthylene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
3-Nitroaniline	ND		0.17		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Acenaphthene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
4-Nitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Dibenzofuran	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Diethyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Fluorene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
4-Nitroaniline	ND		0.33		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Hexachlorobenzene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Pentachlorophenol	ND		0.33		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Phenanthrene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Anthracene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Pyrene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Benzo[a]anthracene	ND		0.33		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Chrysene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Benzo[a]pyrene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Benzoic acid	ND		0.33		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Azobenzene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		06/28/12 07:34	06/29/12 13:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	74		21 - 98	06/28/12 07:34	06/29/12 13:51	1
2-Fluorobiphenyl	84		30 - 112	06/28/12 07:34	06/29/12 13:51	1
Terphenyl-d14	88		32 - 117	06/28/12 07:34	06/29/12 13:51	1
2-Fluorophenol	75		28 - 98	06/28/12 07:34	06/29/12 13:51	1
Phenol-d5	76		23 - 101	06/28/12 07:34	06/29/12 13:51	1

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: MB 720-116272/1-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116272

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol	83		37 - 114	06/28/12 07:34	06/29/12 13:51	1

Lab Sample ID: LCS 720-116272/2-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116272

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethyl)ether	1.65	1.13		mg/Kg		68	45 - 115
2-Chlorophenol	1.65	1.26		mg/Kg		76	48 - 115
1,3-Dichlorobenzene	1.65	1.20		mg/Kg		73	41 - 115
1,4-Dichlorobenzene	1.65	1.17		mg/Kg		71	40 - 115
Benzyl alcohol	1.65	1.37		mg/Kg		83	54 - 115
1,2-Dichlorobenzene	1.65	1.23		mg/Kg		74	44 - 115
2-Methylphenol	1.65	1.25		mg/Kg		76	54 - 115
Methylphenol, 3 & 4	3.30	2.28		mg/Kg		69	42 - 115
N-Nitrosodi-n-propylamine	1.65	1.27		mg/Kg		77	46 - 115
Hexachloroethane	1.65	1.20		mg/Kg		73	44 - 115
Nitrobenzene	1.65	1.30		mg/Kg		79	48 - 115
Isophorone	1.65	1.29		mg/Kg		78	54 - 115
2-Nitrophenol	1.65	1.28		mg/Kg		77	48 - 115
2,4-Dimethylphenol	1.65	1.24		mg/Kg		75	52 - 115
Bis(2-chloroethoxy)methane	1.65	1.28		mg/Kg		78	46 - 115
2,4-Dichlorophenol	1.65	1.32		mg/Kg		80	49 - 100
1,2,4-Trichlorobenzene	1.65	1.28		mg/Kg		77	47 - 115
Naphthalene	1.65	1.33		mg/Kg		80	44 - 115
4-Chloroaniline	1.65	1.16		mg/Kg		70	30 - 115
Hexachlorobutadiene	1.65	1.35		mg/Kg		82	44 - 115
4-Chloro-3-methylphenol	1.65	1.38		mg/Kg		84	58 - 115
2-Methylnaphthalene	1.65	1.34		mg/Kg		81	49 - 115
Hexachlorocyclopentadiene	1.65	1.49		mg/Kg		90	42 - 132
2,4,6-Trichlorophenol	1.65	1.38		mg/Kg		84	45 - 115
2,4,5-Trichlorophenol	1.65	1.29		mg/Kg		78	48 - 115
2-Chloronaphthalene	1.65	1.37		mg/Kg		83	52 - 115
2-Nitroaniline	1.65	1.36		mg/Kg		82	54 - 115
Dimethyl phthalate	1.65	1.37		mg/Kg		83	64 - 119
Acenaphthylene	1.65	1.49		mg/Kg		90	61 - 129
3-Nitroaniline	1.65	1.20		mg/Kg		73	50 - 115
Acenaphthene	1.65	1.40		mg/Kg		85	50 - 115
2,4-Dinitrophenol	1.65	1.21		mg/Kg		73	21 - 115
4-Nitrophenol	1.65	1.46		mg/Kg		88	54 - 125
Dibenzofuran	1.65	1.36		mg/Kg		82	55 - 115
2,4-Dinitrotoluene	1.65	1.44		mg/Kg		87	57 - 115
2,6-Dinitrotoluene	1.65	1.42		mg/Kg		86	54 - 119
Diethyl phthalate	1.65	1.42		mg/Kg		86	49 - 117
4-Chlorophenyl phenyl ether	1.65	1.52		mg/Kg		92	57 - 115
Fluorene	1.65	1.40		mg/Kg		85	54 - 115
4-Nitroaniline	1.65	1.38		mg/Kg		84	59 - 115

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: LCS 720-116272/2-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116272

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methyl-4,6-dinitrophenol	1.65	1.36		mg/Kg		83	48 - 115
N-Nitrosodiphenylamine	1.65	1.38		mg/Kg		84	56 - 115
4-Bromophenyl phenyl ether	1.65	1.36		mg/Kg		83	53 - 115
Hexachlorobenzene	1.65	1.39		mg/Kg		84	55 - 115
Pentachlorophenol	1.65	1.32		mg/Kg		80	35 - 115
Phenanthrene	1.65	1.41		mg/Kg		85	54 - 115
Anthracene	1.65	1.42		mg/Kg		86	55 - 115
Di-n-butyl phthalate	1.65	1.45		mg/Kg		88	55 - 115
Fluoranthene	1.65	1.44		mg/Kg		87	54 - 115
Pyrene	1.65	1.52		mg/Kg		92	48 - 115
Butyl benzyl phthalate	1.65	1.53		mg/Kg		93	53 - 115
3,3'-Dichlorobenzidine	1.65	1.39		mg/Kg		84	42 - 115
Benzo[a]anthracene	1.65	1.44		mg/Kg		87	55 - 115
Bis(2-ethylhexyl) phthalate	1.65	1.60		mg/Kg		97	53 - 115
Chrysene	1.65	1.52		mg/Kg		92	58 - 115
Di-n-octyl phthalate	1.65	1.52		mg/Kg		92	53 - 115
Benzo[b]fluoranthene	1.65	1.32		mg/Kg		80	56 - 115
Benzo[a]pyrene	1.65	1.35		mg/Kg		82	55 - 115
Benzo[k]fluoranthene	1.65	1.55		mg/Kg		94	57 - 115
Indeno[1,2,3-cd]pyrene	1.65	1.43		mg/Kg		87	56 - 115
Benzo[g,h,i]perylene	1.65	1.46		mg/Kg		88	56 - 115
Benzoic acid	1.65	1.17		mg/Kg		71	10 - 115
Azobenzene	1.65	1.32		mg/Kg		80	52 - 115
Dibenz(a,h)anthracene	1.65	1.44		mg/Kg		87	58 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	77		21 - 98
2-Fluorobiphenyl	80		30 - 112
Terphenyl-d14	86		32 - 117
2-Fluorophenol	75		28 - 98
Phenol-d5	78		23 - 101
2,4,6-Tribromophenol	80		37 - 114

Lab Sample ID: LCSD 720-116272/3-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116272

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol	1.66	1.23		mg/Kg		74	48 - 115	1	35
Bis(2-chloroethyl)ether	1.66	1.14		mg/Kg		68	45 - 115	1	35
2-Chlorophenol	1.66	1.24		mg/Kg		75	48 - 115	1	35
1,3-Dichlorobenzene	1.66	1.21		mg/Kg		73	41 - 115	1	35
1,4-Dichlorobenzene	1.66	1.15		mg/Kg		69	40 - 115	1	35
Benzyl alcohol	1.66	1.30		mg/Kg		79	54 - 115	5	35
1,2-Dichlorobenzene	1.66	1.23		mg/Kg		74	44 - 115	0	35
2-Methylphenol	1.66	1.25		mg/Kg		76	54 - 115	0	35
Methylphenol, 3 & 4	3.32	2.25		mg/Kg		68	42 - 115	1	35
N-Nitrosodi-n-propylamine	1.66	1.25		mg/Kg		75	46 - 115	2	35

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: LCSD 720-116272/3-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116272

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachloroethane	1.66	1.21		mg/Kg		73	44 - 115	1	35
Nitrobenzene	1.66	1.29		mg/Kg		78	48 - 115	1	35
Isophorone	1.66	1.29		mg/Kg		78	54 - 115	0	35
2-Nitrophenol	1.66	1.29		mg/Kg		78	48 - 115	1	35
2,4-Dimethylphenol	1.66	1.21		mg/Kg		73	52 - 115	2	35
Bis(2-chloroethoxy)methane	1.66	1.27		mg/Kg		76	46 - 115	1	35
2,4-Dichlorophenol	1.66	1.30		mg/Kg		78	49 - 100	1	35
1,2,4-Trichlorobenzene	1.66	1.29		mg/Kg		78	47 - 115	1	35
Naphthalene	1.66	1.33		mg/Kg		80	44 - 115	0	35
4-Chloroaniline	1.66	1.13		mg/Kg		68	30 - 115	2	35
Hexachlorobutadiene	1.66	1.34		mg/Kg		81	44 - 115	0	35
4-Chloro-3-methylphenol	1.66	1.32		mg/Kg		80	58 - 115	4	35
2-Methylnaphthalene	1.66	1.32		mg/Kg		80	49 - 115	1	35
Hexachlorocyclopentadiene	1.66	1.52		mg/Kg		92	42 - 132	2	35
2,4,6-Trichlorophenol	1.66	1.38		mg/Kg		83	45 - 115	0	35
2,4,5-Trichlorophenol	1.66	1.27		mg/Kg		77	48 - 115	2	35
2-Chloronaphthalene	1.66	1.41		mg/Kg		85	52 - 115	3	35
2-Nitroaniline	1.66	1.35		mg/Kg		81	54 - 115	1	35
Dimethyl phthalate	1.66	1.36		mg/Kg		82	64 - 119	0	35
Acenaphthylene	1.66	1.54		mg/Kg		93	61 - 129	4	35
3-Nitroaniline	1.66	1.19		mg/Kg		72	50 - 115	1	35
Acenaphthene	1.66	1.40		mg/Kg		85	50 - 115	0	35
2,4-Dinitrophenol	1.66	1.21		mg/Kg		73	21 - 115	0	35
4-Nitrophenol	1.66	1.39		mg/Kg		84	54 - 125	4	35
Dibenzofuran	1.66	1.36		mg/Kg		82	55 - 115	0	35
2,4-Dinitrotoluene	1.66	1.43		mg/Kg		86	57 - 115	0	35
2,6-Dinitrotoluene	1.66	1.43		mg/Kg		86	54 - 119	1	35
Diethyl phthalate	1.66	1.44		mg/Kg		87	49 - 117	1	35
4-Chlorophenyl phenyl ether	1.66	1.53		mg/Kg		92	57 - 115	1	35
Fluorene	1.66	1.42		mg/Kg		85	54 - 115	1	35
4-Nitroaniline	1.66	1.43		mg/Kg		86	59 - 115	4	35
2-Methyl-4,6-dinitrophenol	1.66	1.33		mg/Kg		80	48 - 115	3	35
N-Nitrosodiphenylamine	1.66	1.34		mg/Kg		81	56 - 115	3	35
4-Bromophenyl phenyl ether	1.66	1.35		mg/Kg		82	53 - 115	1	35
Hexachlorobenzene	1.66	1.40		mg/Kg		84	55 - 115	1	35
Pentachlorophenol	1.66	1.29		mg/Kg		78	35 - 115	2	35
Phenanthrene	1.66	1.39		mg/Kg		84	54 - 115	1	35
Anthracene	1.66	1.37		mg/Kg		83	55 - 115	3	35
Di-n-butyl phthalate	1.66	1.44		mg/Kg		87	55 - 115	0	35
Fluoranthene	1.66	1.43		mg/Kg		86	54 - 115	1	35
Pyrene	1.66	1.52		mg/Kg		91	48 - 115	0	35
Butyl benzyl phthalate	1.66	1.52		mg/Kg		92	53 - 115	1	35
3,3'-Dichlorobenzidine	1.66	1.37		mg/Kg		82	42 - 115	1	35
Benzo[a]anthracene	1.66	1.45		mg/Kg		87	55 - 115	1	35
Bis(2-ethylhexyl) phthalate	1.66	1.62		mg/Kg		98	53 - 115	1	35
Chrysene	1.66	1.51		mg/Kg		91	58 - 115	1	35
Di-n-octyl phthalate	1.66	1.54		mg/Kg		93	53 - 115	1	35
Benzo[b]fluoranthene	1.66	1.32		mg/Kg		80	56 - 115	0	35

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: LCSD 720-116272/3-A

Matrix: Solid

Analysis Batch: 116340

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116272

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]pyrene	1.66	1.35		mg/Kg		81	55 - 115	0	35
Benzo[k]fluoranthene	1.66	1.54		mg/Kg		93	57 - 115	1	35
Indeno[1,2,3-cd]pyrene	1.66	1.43		mg/Kg		86	56 - 115	0	35
Benzo[g,h,i]perylene	1.66	1.44		mg/Kg		87	56 - 115	1	35
Benzoic acid	1.66	1.20		mg/Kg		72	10 - 115	2	35
Azobenzene	1.66	1.32		mg/Kg		80	52 - 115	1	35
Dibenz(a,h)anthracene	1.66	1.43		mg/Kg		86	58 - 115	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5	77		21 - 98
2-Fluorobiphenyl	78		30 - 112
Terphenyl-d14	87		32 - 117
2-Fluorophenol	75		28 - 98
Phenol-d5	78		23 - 101
2,4,6-Tribromophenol	81		37 - 114

Lab Sample ID: 720-42947-20 MS

Matrix: Solid

Analysis Batch: 116509

Client Sample ID: HA11-G26-5.0

Prep Type: Total/NA

Prep Batch: 116272

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	ND		1.65	1.00		mg/Kg		61	23 - 115
Bis(2-chloroethyl)ether	ND		1.65	0.969		mg/Kg		59	27 - 115
2-Chlorophenol	ND		1.65	0.988		mg/Kg		60	16 - 115
1,3-Dichlorobenzene	ND		1.65	0.929		mg/Kg		56	22 - 115
1,4-Dichlorobenzene	ND		1.65	0.979		mg/Kg		59	21 - 115
Benzyl alcohol	ND		1.65	ND		mg/Kg		46	28 - 115
1,2-Dichlorobenzene	ND		1.65	0.992		mg/Kg		60	25 - 115
2-Methylphenol	ND		1.65	1.13		mg/Kg		68	32 - 115
Methylphenol, 3 & 4	ND		3.31	1.89		mg/Kg		57	28 - 115
N-Nitrosodi-n-propylamine	ND		1.65	1.05		mg/Kg		63	27 - 115
Hexachloroethane	ND		1.65	0.988		mg/Kg		60	19 - 115
Nitrobenzene	ND		1.65	1.06		mg/Kg		64	30 - 115
Isophorone	ND		1.65	1.05		mg/Kg		64	36 - 115
2-Nitrophenol	ND		1.65	0.965		mg/Kg		58	11 - 116
2,4-Dimethylphenol	ND		1.65	0.969		mg/Kg		59	36 - 115
Bis(2-chloroethoxy)methane	ND		1.65	ND		mg/Kg		61	28 - 115
2,4-Dichlorophenol	ND		1.65	ND		mg/Kg		64	17 - 115
1,2,4-Trichlorobenzene	ND		1.65	1.03		mg/Kg		63	29 - 115
Naphthalene	ND		1.65	1.12		mg/Kg		68	22 - 115
4-Chloroaniline	ND		1.65	ND		mg/Kg		50	7 - 115
Hexachlorobutadiene	ND		1.65	1.09		mg/Kg		66	26 - 115
4-Chloro-3-methylphenol	ND		1.65	ND		mg/Kg		62	42 - 115
2-Methylnaphthalene	ND		1.65	1.05		mg/Kg		63	28 - 115
Hexachlorocyclopentadiene	ND		1.65	ND		mg/Kg		55	15 - 115
2,4,6-Trichlorophenol	ND		1.65	ND		mg/Kg		61	25 - 115
2,4,5-Trichlorophenol	ND		1.65	1.02		mg/Kg		62	38 - 115
2-Chloronaphthalene	ND		1.65	1.12		mg/Kg		68	38 - 115

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: 720-42947-20 MS

Matrix: Solid

Analysis Batch: 116509

Client Sample ID: HA11-G26-5.0

Prep Type: Total/NA

Prep Batch: 116272

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
2-Nitroaniline	ND		1.65	ND		mg/Kg		64	43 - 115
Dimethyl phthalate	ND		1.65	ND		mg/Kg		73	55 - 116
Acenaphthylene	ND		1.65	1.32		mg/Kg		80	49 - 120
3-Nitroaniline	ND		1.65	ND		mg/Kg		65	39 - 115
Acenaphthene	ND		1.65	1.10		mg/Kg		67	42 - 115
2,4-Dinitrophenol	ND		1.65	ND		mg/Kg		NC	13 - 122
4-Nitrophenol	ND		1.65	ND		mg/Kg		70	25 - 147
Dibenzofuran	ND		1.65	1.17		mg/Kg		71	43 - 115
2,4-Dinitrotoluene	ND		1.65	1.10		mg/Kg		66	47 - 115
2,6-Dinitrotoluene	ND		1.65	1.14		mg/Kg		69	55 - 115
Diethyl phthalate	ND		1.65	ND		mg/Kg		78	48 - 115
4-Chlorophenyl phenyl ether	ND		1.65	ND		mg/Kg		73	44 - 115
Fluorene	ND		1.65	1.14		mg/Kg		69	41 - 115
4-Nitroaniline	ND		1.65	ND		mg/Kg		73	47 - 120
2-Methyl-4,6-dinitrophenol	ND		1.65	ND		mg/Kg		72	19 - 132
N-Nitrosodiphenylamine	ND		1.65	1.16		mg/Kg		70	43 - 115
4-Bromophenyl phenyl ether	ND		1.65	ND		mg/Kg		67	45 - 115
Hexachlorobenzene	ND		1.65	1.11		mg/Kg		67	48 - 115
Pentachlorophenol	ND		1.65	ND		mg/Kg		42	7 - 132
Phenanthrene	ND		1.65	1.16		mg/Kg		70	38 - 115
Anthracene	ND		1.65	1.17		mg/Kg		71	47 - 115
Di-n-butyl phthalate	ND		1.65	ND		mg/Kg		77	46 - 115
Fluoranthene	ND		1.65	1.17		mg/Kg		71	40 - 115
Pyrene	ND		1.65	1.05		mg/Kg		64	35 - 115
Butyl benzyl phthalate	ND		1.65	ND		mg/Kg		74	40 - 115
3,3'-Dichlorobenzidine	ND		1.65	ND		mg/Kg		52	17 - 115
Benzo[a]anthracene	ND		1.65	ND		mg/Kg		72	42 - 115
Bis(2-ethylhexyl) phthalate	ND		1.65	ND		mg/Kg		77	42 - 115
Chrysene	ND		1.65	1.21		mg/Kg		73	37 - 115
Di-n-octyl phthalate	ND		1.65	ND		mg/Kg		76	46 - 115
Benzo[b]fluoranthene	ND		1.65	1.00		mg/Kg		61	43 - 115
Benzo[a]pyrene	ND		1.65	1.02		mg/Kg		62	48 - 115
Benzo[k]fluoranthene	ND		1.65	1.08		mg/Kg		66	39 - 115
Indeno[1,2,3-cd]pyrene	ND		1.65	1.07		mg/Kg		65	50 - 115
Benzo[g,h,i]perylene	ND		1.65	1.09		mg/Kg		66	43 - 115
Benzoic acid	ND		1.65	ND		mg/Kg		66	0 - 115
Azobenzene	ND		1.65	1.14		mg/Kg		69	48 - 115
Dibenz(a,h)anthracene	ND		1.65	1.11		mg/Kg		67	49 - 115

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	54		21 - 98
2-Fluorobiphenyl	65		30 - 112
Terphenyl-d14	65		32 - 117
2-Fluorophenol	56		28 - 98
Phenol-d5	58		23 - 101
2,4,6-Tribromophenol	59		37 - 114

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: 720-42947-20 MSD

Matrix: Solid

Analysis Batch: 116509

Client Sample ID: HA11-G26-5.0

Prep Type: Total/NA

Prep Batch: 116272

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Phenol	ND		1.67	1.01		mg/Kg		61	23 - 115	1	35
Bis(2-chloroethyl)ether	ND		1.67	1.08		mg/Kg		65	27 - 115	11	35
2-Chlorophenol	ND		1.67	1.01		mg/Kg		61	16 - 115	2	35
1,3-Dichlorobenzene	ND		1.67	0.930		mg/Kg		56	22 - 115	0	35
1,4-Dichlorobenzene	ND		1.67	1.01		mg/Kg		61	21 - 115	3	35
Benzyl alcohol	ND		1.67	ND		mg/Kg		47	28 - 115	2	35
1,2-Dichlorobenzene	ND		1.67	1.02		mg/Kg		61	25 - 115	3	35
2-Methylphenol	ND		1.67	1.20		mg/Kg		72	32 - 115	6	35
Methylphenol, 3 & 4	ND		3.33	1.92		mg/Kg		58	28 - 115	1	35
N-Nitrosodi-n-propylamine	ND		1.67	1.10		mg/Kg		66	27 - 115	5	35
Hexachloroethane	ND		1.67	1.02		mg/Kg		61	19 - 115	3	35
Nitrobenzene	ND		1.67	1.11		mg/Kg		66	30 - 115	4	35
Isophorone	ND		1.67	1.12		mg/Kg		67	36 - 115	6	35
2-Nitrophenol	ND		1.67	0.996		mg/Kg		60	11 - 116	3	35
2,4-Dimethylphenol	ND		1.67	0.810		mg/Kg		49	36 - 115	18	35
Bis(2-chloroethoxy)methane	ND		1.67	ND		mg/Kg		64	28 - 115	6	35
2,4-Dichlorophenol	ND		1.67	ND		mg/Kg		66	17 - 115	4	35
1,2,4-Trichlorobenzene	ND		1.67	1.09		mg/Kg		65	29 - 115	5	35
Naphthalene	ND		1.67	1.13		mg/Kg		68	22 - 115	1	35
4-Chloroaniline	ND		1.67	ND		mg/Kg		49	7 - 115	2	35
Hexachlorobutadiene	ND		1.67	1.14		mg/Kg		68	26 - 115	4	35
4-Chloro-3-methylphenol	ND		1.67	ND		mg/Kg		67	42 - 115	8	35
2-Methylnaphthalene	ND		1.67	1.10		mg/Kg		66	28 - 115	5	35
Hexachlorocyclopentadiene	ND		1.67	ND		mg/Kg		49	15 - 115	11	35
2,4,6-Trichlorophenol	ND		1.67	ND		mg/Kg		62	25 - 115	2	35
2,4,5-Trichlorophenol	ND		1.67	1.08		mg/Kg		65	38 - 115	6	35
2-Chloronaphthalene	ND		1.67	1.11		mg/Kg		67	38 - 115	0	35
2-Nitroaniline	ND		1.67	ND		mg/Kg		67	43 - 115	5	35
Dimethyl phthalate	ND		1.67	ND		mg/Kg		74	55 - 116	2	35
Acenaphthylene	ND		1.67	1.32		mg/Kg		79	49 - 120	0	35
3-Nitroaniline	ND		1.67	ND		mg/Kg		68	39 - 115	5	35
Acenaphthene	ND		1.67	1.13		mg/Kg		68	42 - 115	3	35
2,4-Dinitrophenol	ND		1.67	ND		mg/Kg		NC	13 - 122	NC	35
4-Nitrophenol	ND		1.67	ND		mg/Kg		74	25 - 147	6	35
Dibenzofuran	ND		1.67	1.17		mg/Kg		70	43 - 115	0	35
2,4-Dinitrotoluene	ND		1.67	1.13		mg/Kg		68	47 - 115	3	35
2,6-Dinitrotoluene	ND		1.67	1.17		mg/Kg		70	55 - 115	3	35
Diethyl phthalate	ND		1.67	ND		mg/Kg		78	48 - 115	0	35
4-Chlorophenyl phenyl ether	ND		1.67	ND		mg/Kg		74	44 - 115	2	35
Fluorene	ND		1.67	1.18		mg/Kg		71	41 - 115	3	35
4-Nitroaniline	ND		1.67	ND		mg/Kg		74	47 - 120	2	35
2-Methyl-4,6-dinitrophenol	ND		1.67	ND		mg/Kg		76	19 - 132	6	35
N-Nitrosodiphenylamine	ND		1.67	1.19		mg/Kg		71	43 - 115	2	35
4-Bromophenyl phenyl ether	ND		1.67	ND		mg/Kg		67	45 - 115	1	35
Hexachlorobenzene	ND		1.67	1.08		mg/Kg		65	48 - 115	3	35
Pentachlorophenol	ND		1.67	ND		mg/Kg		39	7 - 132	8	35
Phenanthrene	ND		1.67	1.20		mg/Kg		72	38 - 115	4	35
Anthracene	ND		1.67	1.22		mg/Kg		73	47 - 115	4	35

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: 720-42947-20 MSD

Matrix: Solid

Analysis Batch: 116509

Client Sample ID: HA11-G26-5.0

Prep Type: Total/NA

Prep Batch: 116272

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier		Result	Qualifier						
Di-n-butyl phthalate	ND		1.67	ND		mg/Kg		78	46 - 115	1	35
Fluoranthene	ND		1.67	1.13		mg/Kg		68	40 - 115	3	35
Pyrene	ND		1.67	1.04		mg/Kg		62	35 - 115	1	35
Butyl benzyl phthalate	ND		1.67	ND		mg/Kg		76	40 - 115	3	35
3,3'-Dichlorobenzidine	ND		1.67	ND		mg/Kg		53	17 - 115	2	35
Benzo[a]anthracene	ND		1.67	ND		mg/Kg		73	42 - 115	2	35
Bis(2-ethylhexyl) phthalate	ND		1.67	ND		mg/Kg		80	42 - 115	5	35
Chrysene	ND		1.67	1.25		mg/Kg		75	37 - 115	3	35
Di-n-octyl phthalate	ND		1.67	ND		mg/Kg		78	46 - 115	4	35
Benzo[b]fluoranthene	ND		1.67	1.05		mg/Kg		63	43 - 115	5	35
Benzo[a]pyrene	ND		1.67	1.08		mg/Kg		65	48 - 115	6	35
Benzo[k]fluoranthene	ND		1.67	1.08		mg/Kg		65	39 - 115	1	35
Indeno[1,2,3-cd]pyrene	ND		1.67	1.06		mg/Kg		64	50 - 115	0	35
Benzo[g,h,i]perylene	ND		1.67	1.11		mg/Kg		67	43 - 115	2	35
Benzoic acid	ND		1.67	ND		mg/Kg		70	0 - 115	7	35
Azobenzene	ND		1.67	1.19		mg/Kg		72	48 - 115	4	35
Dibenz(a,h)anthracene	ND		1.67	1.08		mg/Kg		65	49 - 115	2	35

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	62		21 - 98
2-Fluorobiphenyl	66		30 - 112
Terphenyl-d14	65		32 - 117
2-Fluorophenol	57		28 - 98
Phenol-d5	60		23 - 101
2,4,6-Tribromophenol	61		37 - 114

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

Lab Sample ID: MB 720-116230/1-A

Matrix: Solid

Analysis Batch: 116331

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116230

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/27/12 14:17	06/29/12 17:31	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/27/12 14:17	06/29/12 17:31	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
p-Terphenyl	95		40 - 130	06/27/12 14:17	06/29/12 17:31	1

Lab Sample ID: LCS 720-116230/2-A

Matrix: Solid

Analysis Batch: 116331

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116230

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Diesel Range Organics [C10-C28]	82.3	66.1		mg/Kg		80	50 - 150

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

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

Lab Sample ID: LCS 720-116230/2-A
Matrix: Solid
Analysis Batch: 116331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116230

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	70		40 - 130

Lab Sample ID: LCSD 720-116230/3-A
Matrix: Solid
Analysis Batch: 116331

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116230

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.1	64.7		mg/Kg		79	50 - 150	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
p-Terphenyl	68		40 - 130

Lab Sample ID: 720-42947-1 MS
Matrix: Solid
Analysis Batch: 116331

Client Sample ID: HA15-G29-10.0
Prep Type: Total/NA
Prep Batch: 116230

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	ND		83.0	58.3		mg/Kg		70	50 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
p-Terphenyl	65		40 - 130

Lab Sample ID: 720-42947-1 MSD
Matrix: Solid
Analysis Batch: 116331

Client Sample ID: HA15-G29-10.0
Prep Type: Total/NA
Prep Batch: 116230

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	56.2		mg/Kg		67	50 - 150	4	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
p-Terphenyl	61		40 - 130

Lab Sample ID: MB 720-116277/1-A
Matrix: Solid
Analysis Batch: 116374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		06/28/12 09:27	07/01/12 00:51	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		06/28/12 09:27	07/01/12 00:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	94		40 - 130	06/28/12 09:27	07/01/12 00:51	1

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

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

Lab Sample ID: LCS 720-116277/2-A

Matrix: Solid

Analysis Batch: 116374

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	83.1	68.1		mg/Kg		82	50 - 150
Surrogate		LCS %Recovery	LCS Qualifier				Limits
<i>p-Terphenyl</i>		74					40 - 130

Lab Sample ID: LCSD 720-116277/3-A

Matrix: Solid

Analysis Batch: 116374

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116277

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Diesel Range Organics [C10-C28]	82.6	66.1		mg/Kg		80	50 - 150	3	35
Surrogate		LCSD %Recovery	LCSD Qualifier				Limits		
<i>p-Terphenyl</i>		73					40 - 130		

Lab Sample ID: 720-42947-19 MS

Matrix: Solid

Analysis Batch: 116374

Client Sample ID: HA10-G26-2.0

Prep Type: Total/NA

Prep Batch: 116277

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	ND		82.5	58.2		mg/Kg		70	50 - 150
Surrogate		MS %Recovery		MS Qualifier					Limits
<i>p-Terphenyl</i>		62							40 - 130

Lab Sample ID: 720-42947-19 MSD

Matrix: Solid

Analysis Batch: 116374

Client Sample ID: HA10-G26-2.0

Prep Type: Total/NA

Prep Batch: 116277

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Diesel Range Organics [C10-C28]	ND		82.0	57.9		mg/Kg		70	50 - 150	0	30
Surrogate		MSD %Recovery		MSD Qualifier					Limits		
<i>p-Terphenyl</i>		62							40 - 130		

Lab Sample ID: MB 720-116419/1-A

Matrix: Solid

Analysis Batch: 116486

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116419

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		07/02/12 09:00	07/03/12 12:50	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		07/02/12 09:00	07/03/12 12:50	1
Surrogate		MB %Recovery		MB Qualifier			Prepared	Analyzed	Dil Fac
<i>p-Terphenyl</i>		90					07/02/12 09:00	07/03/12 12:50	1

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

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

Lab Sample ID: LCS 720-116419/2-A

Matrix: Solid

Analysis Batch: 116486

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116419

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	83.1	64.2		mg/Kg		77	50 - 150
Surrogate		LCS %Recovery	LCS Qualifier				Limits
<i>p-Terphenyl</i>		77					40 - 130

Lab Sample ID: LCSD 720-116419/3-A

Matrix: Solid

Analysis Batch: 116486

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116419

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.2	55.9		mg/Kg		68	50 - 150	14	35
Surrogate		LCSD %Recovery	LCSD Qualifier				Limits		
<i>p-Terphenyl</i>		73					40 - 130		

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 720-116212/1-A

Matrix: Solid

Analysis Batch: 116274

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		48		ug/Kg		06/27/12 11:13	06/29/12 01:03	1
PCB-1221	ND		48		ug/Kg		06/27/12 11:13	06/29/12 01:03	1
PCB-1232	ND		48		ug/Kg		06/27/12 11:13	06/29/12 01:03	1
PCB-1242	ND		48		ug/Kg		06/27/12 11:13	06/29/12 01:03	1
PCB-1248	ND		48		ug/Kg		06/27/12 11:13	06/29/12 01:03	1
PCB-1254	ND		48		ug/Kg		06/27/12 11:13	06/29/12 01:03	1
PCB-1260	ND		48		ug/Kg		06/27/12 11:13	06/29/12 01:03	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	86		32 - 112				06/27/12 11:13	06/29/12 01:03	1
<i>DCB Decachlorobiphenyl</i>	94		2 - 122				06/27/12 11:13	06/29/12 01:03	1

Lab Sample ID: LCS 720-116212/2-A

Matrix: Solid

Analysis Batch: 116274

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	132	131		ug/Kg		99	65 - 120
PCB-1260	132	134		ug/Kg		102	65 - 120
Surrogate		LCS %Recovery	LCS Qualifier				Limits
<i>Tetrachloro-m-xylene</i>		95					32 - 112
<i>DCB Decachlorobiphenyl</i>		98					2 - 122

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS D 720-116212/3-A

Matrix: Solid

Analysis Batch: 116274

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116212

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
PCB-1016	132	130		ug/Kg		99	65 - 120	0	20	
PCB-1260	132	135		ug/Kg		102	65 - 120	0	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	93		32 - 112
DCB Decachlorobiphenyl	99		2 - 122

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-116448/1-A

Matrix: Solid

Analysis Batch: 116524

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116448

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		0.50		mg/Kg		07/02/12 14:28	07/03/12 10:24	1
Arsenic	ND		1.0		mg/Kg		07/02/12 14:28	07/03/12 10:24	1
Barium	ND		0.50		mg/Kg		07/02/12 14:28	07/03/12 10:24	1
Beryllium	ND		0.10		mg/Kg		07/02/12 14:28	07/03/12 10:24	1
Cadmium	ND		0.13		mg/Kg		07/02/12 14:28	07/03/12 10:24	1
Chromium	ND		0.50		mg/Kg		07/02/12 14:28	07/03/12 10:24	1
Cobalt	ND		0.20		mg/Kg		07/02/12 14:28	07/03/12 10:24	1
Copper	ND		1.5		mg/Kg		07/02/12 14:28	07/03/12 10:24	1
Lead	ND		0.50		mg/Kg		07/02/12 14:28	07/03/12 10:24	1
Molybdenum	ND		0.50		mg/Kg		07/02/12 14:28	07/03/12 10:24	1
Nickel	ND		0.50		mg/Kg		07/02/12 14:28	07/03/12 10:24	1
Selenium	ND		1.0		mg/Kg		07/02/12 14:28	07/03/12 10:24	1
Silver	ND		0.25		mg/Kg		07/02/12 14:28	07/03/12 10:24	1
Thallium	ND		0.50		mg/Kg		07/02/12 14:28	07/03/12 10:24	1
Vanadium	ND		0.50		mg/Kg		07/02/12 14:28	07/03/12 10:24	1
Zinc	ND		1.5		mg/Kg		07/02/12 14:28	07/03/12 10:24	1

Lab Sample ID: LCS 720-116448/2-A

Matrix: Solid

Analysis Batch: 116524

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116448

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	RPD
Antimony	50.0	47.3		mg/Kg		95	80 - 120	
Arsenic	50.0	48.2		mg/Kg		96	80 - 120	
Barium	50.0	48.4		mg/Kg		97	80 - 120	
Beryllium	50.0	48.7		mg/Kg		97	80 - 120	
Cadmium	50.0	49.1		mg/Kg		98	80 - 120	
Chromium	50.0	48.7		mg/Kg		97	80 - 120	
Cobalt	50.0	49.0		mg/Kg		98	80 - 120	
Copper	50.0	49.0		mg/Kg		98	80 - 120	
Lead	50.0	49.3		mg/Kg		99	80 - 120	
Molybdenum	50.0	48.8		mg/Kg		98	80 - 120	
Nickel	50.0	49.4		mg/Kg		99	80 - 120	
Selenium	50.0	47.8		mg/Kg		96	80 - 120	
Silver	25.0	24.4		mg/Kg		98	80 - 120	

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

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

Lab Sample ID: LCS 720-116448/2-A

Matrix: Solid

Analysis Batch: 116524

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116448

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	50.0	49.7		mg/Kg		99	80 - 120
Vanadium	50.0	47.9		mg/Kg		96	80 - 120
Zinc	50.0	48.5		mg/Kg		97	80 - 120

Lab Sample ID: LCSD 720-116448/3-A

Matrix: Solid

Analysis Batch: 116524

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116448

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	50.0	48.1		mg/Kg		96	80 - 120	2	20
Arsenic	50.0	48.5		mg/Kg		97	80 - 120	1	20
Barium	50.0	48.6		mg/Kg		97	80 - 120	1	20
Beryllium	50.0	48.6		mg/Kg		97	80 - 120	0	20
Cadmium	50.0	49.4		mg/Kg		99	80 - 120	1	20
Chromium	50.0	49.0		mg/Kg		98	80 - 120	0	20
Cobalt	50.0	49.2		mg/Kg		98	80 - 120	0	20
Copper	50.0	48.7		mg/Kg		97	80 - 120	1	20
Lead	50.0	49.7		mg/Kg		99	80 - 120	1	20
Molybdenum	50.0	49.0		mg/Kg		98	80 - 120	1	20
Nickel	50.0	49.7		mg/Kg		99	80 - 120	1	20
Selenium	50.0	48.0		mg/Kg		96	80 - 120	0	20
Silver	25.0	24.5		mg/Kg		98	80 - 120	0	20
Thallium	50.0	49.9		mg/Kg		100	80 - 120	0	20
Vanadium	50.0	48.0		mg/Kg		96	80 - 120	0	20
Zinc	50.0	48.7		mg/Kg		97	80 - 120	0	20

Lab Sample ID: LCSSRM 720-116448/25-A

Matrix: Solid

Analysis Batch: 116524

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116448

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	76.3	39.2		mg/Kg		51	11 - 101
Arsenic	84.1	81.1		mg/Kg		96	69 - 119
Barium	517	450		mg/Kg		87	61 - 117
Beryllium	153	140		mg/Kg		92	56 - 102
Cadmium	42.0	42.7		mg/Kg		102	67 - 118
Chromium	269	258		mg/Kg		96	67 - 121
Cobalt	323	308		mg/Kg		95	64 - 133
Copper	263	252		mg/Kg		96	68 - 126
Lead	280	269		mg/Kg		96	62 - 113
Molybdenum	215	209		mg/Kg		97	62 - 128
Nickel	106	105		mg/Kg		99	65 - 117
Selenium	138	133		mg/Kg		97	63 - 126
Silver	50.4	51.0		mg/Kg		101	51 - 130
Thallium	331	325		mg/Kg		98	64 - 124
Vanadium	142	131		mg/Kg		92	67 - 123
Zinc	574	534		mg/Kg		93	62 - 110

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

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

Lab Sample ID: MB 720-116499/1-A

Matrix: Solid

Analysis Batch: 116564

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116499

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		07/03/12 09:08	07/03/12 16:31	1
Arsenic	ND		1.0		mg/Kg		07/03/12 09:08	07/03/12 16:31	1
Barium	ND		0.50		mg/Kg		07/03/12 09:08	07/03/12 16:31	1
Beryllium	ND		0.10		mg/Kg		07/03/12 09:08	07/03/12 16:31	1
Cadmium	ND		0.13		mg/Kg		07/03/12 09:08	07/03/12 16:31	1
Chromium	ND		0.50		mg/Kg		07/03/12 09:08	07/03/12 16:31	1
Cobalt	ND		0.20		mg/Kg		07/03/12 09:08	07/03/12 16:31	1
Copper	ND		1.5		mg/Kg		07/03/12 09:08	07/03/12 16:31	1
Lead	ND		0.50		mg/Kg		07/03/12 09:08	07/03/12 16:31	1
Molybdenum	ND		0.50		mg/Kg		07/03/12 09:08	07/03/12 16:31	1
Nickel	ND		0.50		mg/Kg		07/03/12 09:08	07/03/12 16:31	1
Selenium	ND		1.0		mg/Kg		07/03/12 09:08	07/03/12 16:31	1
Silver	ND		0.25		mg/Kg		07/03/12 09:08	07/03/12 16:31	1
Thallium	ND		0.50		mg/Kg		07/03/12 09:08	07/03/12 16:31	1
Vanadium	ND		0.50		mg/Kg		07/03/12 09:08	07/03/12 16:31	1
Zinc	ND		1.5		mg/Kg		07/03/12 09:08	07/03/12 16:31	1

Lab Sample ID: LCS 720-116499/2-A

Matrix: Solid

Analysis Batch: 116564

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116499

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	50.0		mg/Kg		100	80 - 120
Arsenic	50.0	50.7		mg/Kg		101	80 - 120
Barium	50.0	51.0		mg/Kg		102	80 - 120
Beryllium	50.0	52.5		mg/Kg		105	80 - 120
Cadmium	50.0	51.0		mg/Kg		102	80 - 120
Chromium	50.0	52.4		mg/Kg		105	80 - 120
Cobalt	50.0	52.3		mg/Kg		105	80 - 120
Copper	50.0	51.8		mg/Kg		104	80 - 120
Lead	50.0	52.2		mg/Kg		104	80 - 120
Molybdenum	50.0	52.0		mg/Kg		104	80 - 120
Nickel	50.0	52.0		mg/Kg		104	80 - 120
Selenium	50.0	49.2		mg/Kg		98	80 - 120
Silver	25.0	25.2		mg/Kg		101	80 - 120
Thallium	50.0	52.0		mg/Kg		104	80 - 120
Vanadium	50.0	51.8		mg/Kg		104	80 - 120
Zinc	50.0	51.1		mg/Kg		102	80 - 120

Lab Sample ID: LCSD 720-116499/3-A

Matrix: Solid

Analysis Batch: 116564

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116499

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	50.5		mg/Kg		101	80 - 120	1	20
Arsenic	50.0	51.6		mg/Kg		103	80 - 120	2	20
Barium	50.0	52.0		mg/Kg		104	80 - 120	2	20
Beryllium	50.0	52.0		mg/Kg		104	80 - 120	1	20
Cadmium	50.0	51.5		mg/Kg		103	80 - 120	1	20
Chromium	50.0	51.6		mg/Kg		103	80 - 120	2	20

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

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

Lab Sample ID: LCSD 720-116499/3-A

Matrix: Solid

Analysis Batch: 116564

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116499

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD Limit
							Limits	RPD	
Cobalt	50.0	53.0		mg/Kg		106	80 - 120	1	20
Copper	50.0	51.6		mg/Kg		103	80 - 120	0	20
Lead	50.0	52.8		mg/Kg		106	80 - 120	1	20
Molybdenum	50.0	52.7		mg/Kg		105	80 - 120	1	20
Nickel	50.0	52.4		mg/Kg		105	80 - 120	1	20
Selenium	50.0	50.3		mg/Kg		101	80 - 120	2	20
Silver	25.0	25.2		mg/Kg		101	80 - 120	0	20
Thallium	50.0	52.7		mg/Kg		105	80 - 120	1	20
Vanadium	50.0	51.6		mg/Kg		103	80 - 120	0	20
Zinc	50.0	51.8		mg/Kg		104	80 - 120	1	20

Lab Sample ID: LCSSRM 720-116499/22-A

Matrix: Solid

Analysis Batch: 116576

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116499

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec.		RPD Limit
							Limits	RPD	
Antimony	76.3	39.0		mg/Kg		51	11 - 101		
Arsenic	84.1	81.8		mg/Kg		97	69 - 119		
Barium	517	501		mg/Kg		97	61 - 117		
Beryllium	153	144		mg/Kg		94	56 - 102		
Cadmium	42.0	41.1		mg/Kg		98	67 - 118		
Chromium	269	258		mg/Kg		96	67 - 121		
Cobalt	323	317		mg/Kg		98	64 - 133		
Copper	263	257		mg/Kg		98	68 - 126		
Lead	280	270		mg/Kg		96	62 - 113		
Molybdenum	215	213		mg/Kg		99	62 - 128		
Nickel	106	103		mg/Kg		97	65 - 117		
Selenium	138	133		mg/Kg		96	63 - 126		
Silver	50.4	49.6		mg/Kg		98	51 - 130		
Thallium	331	320		mg/Kg		97	64 - 124		
Vanadium	142	138		mg/Kg		97	67 - 123		
Zinc	574	551		mg/Kg		96	62 - 110		

Lab Sample ID: MB 720-116515/1-A

Matrix: Solid

Analysis Batch: 116586

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116515

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		0.50		mg/Kg		07/03/12 11:27	07/04/12 02:20	1
Arsenic	ND		1.0		mg/Kg		07/03/12 11:27	07/04/12 02:20	1
Barium	ND		0.50		mg/Kg		07/03/12 11:27	07/04/12 02:20	1
Beryllium	ND		0.10		mg/Kg		07/03/12 11:27	07/04/12 02:20	1
Cadmium	ND		0.13		mg/Kg		07/03/12 11:27	07/04/12 02:20	1
Chromium	ND		0.50		mg/Kg		07/03/12 11:27	07/04/12 02:20	1
Cobalt	ND		0.20		mg/Kg		07/03/12 11:27	07/04/12 02:20	1
Copper	ND		1.5		mg/Kg		07/03/12 11:27	07/04/12 02:20	1
Lead	ND		0.50		mg/Kg		07/03/12 11:27	07/04/12 02:20	1
Molybdenum	ND		0.50		mg/Kg		07/03/12 11:27	07/04/12 02:20	1
Nickel	ND		0.50		mg/Kg		07/03/12 11:27	07/04/12 02:20	1
Selenium	ND		1.0		mg/Kg		07/03/12 11:27	07/04/12 02:20	1

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

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

Lab Sample ID: MB 720-116515/1-A
Matrix: Solid
Analysis Batch: 116586

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116515

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.25		mg/Kg		07/03/12 11:27	07/04/12 02:20	1
Thallium	ND		0.50		mg/Kg		07/03/12 11:27	07/04/12 02:20	1
Vanadium	ND		0.50		mg/Kg		07/03/12 11:27	07/04/12 02:20	1
Zinc	ND		1.5		mg/Kg		07/03/12 11:27	07/04/12 02:20	1

Lab Sample ID: LCS 720-116515/2-A
Matrix: Solid
Analysis Batch: 116586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116515

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	49.7		mg/Kg		99	80 - 120
Arsenic	50.0	50.6		mg/Kg		101	80 - 120
Barium	50.0	51.5		mg/Kg		103	80 - 120
Beryllium	50.0	51.8		mg/Kg		104	80 - 120
Cadmium	50.0	50.8		mg/Kg		102	80 - 120
Chromium	50.0	51.3		mg/Kg		103	80 - 120
Cobalt	50.0	52.1		mg/Kg		104	80 - 120
Copper	50.0	51.6		mg/Kg		103	80 - 120
Lead	50.0	51.5		mg/Kg		103	80 - 120
Molybdenum	50.0	51.8		mg/Kg		104	80 - 120
Nickel	50.0	51.5		mg/Kg		103	80 - 120
Selenium	50.0	50.2		mg/Kg		100	80 - 120
Silver	25.0	25.1		mg/Kg		100	80 - 120
Thallium	50.0	51.6		mg/Kg		103	80 - 120
Vanadium	50.0	51.0		mg/Kg		102	80 - 120
Zinc	50.0	50.9		mg/Kg		102	80 - 120

Lab Sample ID: LCSD 720-116515/3-A
Matrix: Solid
Analysis Batch: 116586

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116515

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	50.6		mg/Kg		101	80 - 120	2	20
Arsenic	50.0	51.5		mg/Kg		103	80 - 120	2	20
Barium	50.0	52.3		mg/Kg		105	80 - 120	1	20
Beryllium	50.0	52.7		mg/Kg		105	80 - 120	2	20
Cadmium	50.0	51.4		mg/Kg		103	80 - 120	1	20
Chromium	50.0	51.9		mg/Kg		104	80 - 120	1	20
Cobalt	50.0	52.6		mg/Kg		105	80 - 120	1	20
Copper	50.0	52.2		mg/Kg		104	80 - 120	1	20
Lead	50.0	52.1		mg/Kg		104	80 - 120	1	20
Molybdenum	50.0	52.6		mg/Kg		105	80 - 120	1	20
Nickel	50.0	52.2		mg/Kg		104	80 - 120	1	20
Selenium	50.0	51.0		mg/Kg		102	80 - 120	2	20
Silver	25.0	25.3		mg/Kg		101	80 - 120	1	20
Thallium	50.0	52.2		mg/Kg		104	80 - 120	1	20
Vanadium	50.0	51.3		mg/Kg		103	80 - 120	1	20
Zinc	50.0	51.4		mg/Kg		103	80 - 120	1	20

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

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

Lab Sample ID: LCSSRM 720-116515/25-A

Matrix: Solid

Analysis Batch: 116586

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116515

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	76.3	39.3		mg/Kg		51	11 - 101
Arsenic	84.1	86.2		mg/Kg		102	69 - 119
Barium	517	493		mg/Kg		95	61 - 117
Beryllium	153	154		mg/Kg		100	56 - 102
Cadmium	42.0	42.7		mg/Kg		102	67 - 118
Chromium	269	274		mg/Kg		102	67 - 121
Cobalt	323	335		mg/Kg		104	64 - 133
Copper	263	270		mg/Kg		103	68 - 126
Lead	280	280		mg/Kg		100	62 - 113
Molybdenum	215	220		mg/Kg		103	62 - 128
Nickel	106	106		mg/Kg		100	65 - 117
Selenium	138	142		mg/Kg		103	63 - 126
Silver	50.4	51.4		mg/Kg		102	51 - 130
Thallium	331	334		mg/Kg		101	64 - 124
Vanadium	142	141		mg/Kg		99	67 - 123
Zinc	574	576		mg/Kg		100	62 - 110

Lab Sample ID: 720-42947-16 MS

Matrix: Solid

Analysis Batch: 116586

Client Sample ID: HA29-G38-2.0

Prep Type: Total/NA

Prep Batch: 116515

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		49.5	19.5	F	mg/Kg		38	75 - 125
Arsenic	4.9		49.5	57.0		mg/Kg		105	75 - 125
Barium	150		49.5	219	F	mg/Kg		130	75 - 125
Beryllium	ND		49.5	57.6		mg/Kg		116	75 - 125
Cadmium	ND		49.5	50.9		mg/Kg		103	75 - 125
Chromium	62		49.5	123		mg/Kg		123	75 - 125
Cobalt	13		49.5	64.6		mg/Kg		104	75 - 125
Copper	29		49.5	84.9		mg/Kg		113	75 - 125
Lead	7.5		49.5	58.3		mg/Kg		103	75 - 125
Molybdenum	ND		49.5	48.6		mg/Kg		97	75 - 125
Nickel	93		49.5	146		mg/Kg		107	75 - 125
Selenium	ND		49.5	50.7		mg/Kg		102	75 - 125
Silver	ND		24.8	27.3		mg/Kg		109	75 - 125
Thallium	ND		49.5	49.8		mg/Kg		101	75 - 125
Vanadium	31		49.5	85.4		mg/Kg		110	75 - 125
Zinc	52		49.5	107		mg/Kg		111	75 - 125

Lab Sample ID: 720-42947-16 MSD

Matrix: Solid

Analysis Batch: 116586

Client Sample ID: HA29-G38-2.0

Prep Type: Total/NA

Prep Batch: 116515

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	ND		49.5	16.3	F	mg/Kg		31	75 - 125	18	20
Arsenic	4.9		49.5	56.2		mg/Kg		104	75 - 125	2	20
Barium	150		49.5	217		mg/Kg		125	75 - 125	1	20
Beryllium	ND		49.5	58.9		mg/Kg		119	75 - 125	2	20
Cadmium	ND		49.5	50.6		mg/Kg		102	75 - 125	1	20
Chromium	62		49.5	129	F	mg/Kg		136	75 - 125	5	20

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

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

Lab Sample ID: 720-42947-16 MSD

Matrix: Solid

Analysis Batch: 116586

Client Sample ID: HA29-G38-2.0

Prep Type: Total/NA

Prep Batch: 116515

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Cobalt	13		49.5	65.1		mg/Kg		105	75 - 125	1	20
Copper	29		49.5	87.8		mg/Kg		119	75 - 125	3	20
Lead	7.5		49.5	57.9		mg/Kg		102	75 - 125	1	20
Molybdenum	ND		49.5	47.8		mg/Kg		96	75 - 125	2	20
Nickel	93		49.5	144		mg/Kg		105	75 - 125	1	20
Selenium	ND		49.5	50.3		mg/Kg		102	75 - 125	1	20
Silver	ND		24.8	27.9		mg/Kg		111	75 - 125	2	20
Thallium	ND		49.5	49.7		mg/Kg		100	75 - 125	0	20
Vanadium	31		49.5	88.7		mg/Kg		117	75 - 125	4	20
Zinc	52		49.5	109		mg/Kg		116	75 - 125	2	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-116465/1-A

Matrix: Solid

Analysis Batch: 116482

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116465

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.010		mg/Kg		07/02/12 17:46	07/02/12 21:44	1

Lab Sample ID: LCS 720-116465/2-A

Matrix: Solid

Analysis Batch: 116482

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Mercury	0.833	0.783		mg/Kg		94	80 - 120

Lab Sample ID: LCSD 720-116465/3-A

Matrix: Solid

Analysis Batch: 116482

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116465

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD	Limit
							Limits		
Mercury	0.833	0.803		mg/Kg		96	80 - 120	3	20

Lab Sample ID: 720-42947-1 MS

Matrix: Solid

Analysis Batch: 116482

Client Sample ID: HA15-G29-10.0

Prep Type: Total/NA

Prep Batch: 116465

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Mercury	0.070		0.820	1.08		mg/Kg		123	75 - 125

Lab Sample ID: 720-42947-1 MSD

Matrix: Solid

Analysis Batch: 116482

Client Sample ID: HA15-G29-10.0

Prep Type: Total/NA

Prep Batch: 116465

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Mercury	0.070		0.833	1.13	F	mg/Kg		127	75 - 125	4	20

QC Sample Results

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

TestAmerica Job ID: 720-42947-1

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

Lab Sample ID: MB 720-116468/1-A

Matrix: Solid

Analysis Batch: 116483

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116468

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		07/02/12 18:20	07/02/12 23:37	1

Lab Sample ID: LCS 720-116468/2-A

Matrix: Solid

Analysis Batch: 116483

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116468

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.759		mg/Kg		91	80 - 120

Lab Sample ID: LCSD 720-116468/3-A

Matrix: Solid

Analysis Batch: 116483

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116468

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.819		mg/Kg		98	80 - 120	8	20

Lab Sample ID: 720-42947-21 MS

Matrix: Solid

Analysis Batch: 116483

Client Sample ID: HA09-G20-4.0

Prep Type: Total/NA

Prep Batch: 116468

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.10		0.769	1.05		mg/Kg		123	75 - 125

Lab Sample ID: 720-42947-21 MSD

Matrix: Solid

Analysis Batch: 116483

Client Sample ID: HA09-G20-4.0

Prep Type: Total/NA

Prep Batch: 116468

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.10		0.794	1.10	F	mg/Kg		126	75 - 125	5	20

QC Association Summary

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

TestAmerica Job ID: 720-42947-1

GC/MS VOA

Analysis Batch: 116233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-16	HA29-G38-2.0	Total/NA	Solid	8260B/CA_LUFT	116249
LCS 720-116249/4-A	Lab Control Sample	Total/NA	Solid	MS 8260B/CA_LUFT	116249
LCSD 720-116249/5-A	Lab Control Sample Dup	Total/NA	Solid	MS 8260B/CA_LUFT	116249
MB 720-116249/1-A	Method Blank	Total/NA	Solid	MS 8260B/CA_LUFT	116249

Analysis Batch: 116236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-1	HA15-G29-10.0	Total/NA	Solid	8260B/CA_LUFT	116256
720-42947-2	HA16-G31-2.0	Total/NA	Solid	MS 8260B/CA_LUFT	116256
720-42947-3	HA17-G31-8.0	Total/NA	Solid	MS 8260B/CA_LUFT	116256
720-42947-4	HA18-G32-5.0	Total/NA	Solid	MS 8260B/CA_LUFT	116256
720-42947-5	HA19-G32-7.5	Total/NA	Solid	MS 8260B/CA_LUFT	116256
720-42947-6	HA20-G33-2.0	Total/NA	Solid	MS 8260B/CA_LUFT	116256
720-42947-7	HA21-G33-5.0	Total/NA	Solid	MS 8260B/CA_LUFT	116256
720-42947-8	HA22-G33-7.5	Total/NA	Solid	MS 8260B/CA_LUFT	116256
720-42947-9	HA36-G42-5.0	Total/NA	Solid	MS 8260B/CA_LUFT	116256
720-42947-10	HA23-G34-2.0	Total/NA	Solid	MS 8260B/CA_LUFT	116256
720-42947-11	HA24-G34-7.5	Total/NA	Solid	MS 8260B/CA_LUFT	116256
720-42947-12	HA25-G35-5.0	Total/NA	Solid	MS 8260B/CA_LUFT	116256
720-42947-13	HA26-G37-2.0	Total/NA	Solid	MS 8260B/CA_LUFT	116256
720-42947-14	HA27-37-5.0	Total/NA	Solid	MS 8260B/CA_LUFT	116256
720-42947-15	HA28-G37-7.5	Total/NA	Solid	MS 8260B/CA_LUFT	116256
720-42947-A-18-D MS	720-42947-A-18-D MS	Total/NA	Solid	MS 8260B/CA_LUFT	116256
720-42947-A-18-E MSD	720-42947-A-18-E MSD	Total/NA	Solid	MS 8260B/CA_LUFT	116256
LCS 720-116256/4-A	Lab Control Sample	Total/NA	Solid	MS 8260B/CA_LUFT	116256
LCSD 720-116256/5-A	Lab Control Sample Dup	Total/NA	Solid	MS 8260B/CA_LUFT	116256
MB 720-116256/1-A	Method Blank	Total/NA	Solid	MS 8260B/CA_LUFT	116256

Prep Batch: 116249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-16	HA29-G38-2.0	Total/NA	Solid	5030B	
LCS 720-116249/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-116249/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-116249/1-A	Method Blank	Total/NA	Solid	5030B	

QC Association Summary

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

TestAmerica Job ID: 720-42947-1

GC/MS VOA (Continued)

Prep Batch: 116256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-1	HA15-G29-10.0	Total/NA	Solid	5030B	
720-42947-2	HA16-G31-2.0	Total/NA	Solid	5030B	
720-42947-3	HA17-G31-8.0	Total/NA	Solid	5030B	
720-42947-4	HA18-G32-5.0	Total/NA	Solid	5030B	
720-42947-5	HA19-G32-7.5	Total/NA	Solid	5030B	
720-42947-6	HA20-G33-2.0	Total/NA	Solid	5030B	
720-42947-7	HA21-G33-5.0	Total/NA	Solid	5030B	
720-42947-8	HA22-G33-7.5	Total/NA	Solid	5030B	
720-42947-9	HA36-G42-5.0	Total/NA	Solid	5030B	
720-42947-10	HA23-G34-2.0	Total/NA	Solid	5030B	
720-42947-11	HA24-G34-7.5	Total/NA	Solid	5030B	
720-42947-12	HA25-G35-5.0	Total/NA	Solid	5030B	
720-42947-13	HA26-G37-2.0	Total/NA	Solid	5030B	
720-42947-14	HA27-37-5.0	Total/NA	Solid	5030B	
720-42947-15	HA28-G37-7.5	Total/NA	Solid	5030B	
720-42947-A-18-D MS	720-42947-A-18-D MS	Total/NA	Solid	5030B	
720-42947-A-18-E MSD	720-42947-A-18-E MSD	Total/NA	Solid	5030B	
LCS 720-116256/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-116256/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-116256/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 116269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-17	HA30-G38-5.0	Total/NA	Solid	8260B/CA_LUFT MS	116280
720-42947-19	HA10-G26-2.0	Total/NA	Solid	8260B/CA_LUFT MS	116280
720-42947-20	HA11-G26-5.0	Total/NA	Solid	8260B/CA_LUFT MS	116280
720-42947-21	HA09-G20-4.0	Total/NA	Solid	8260B/CA_LUFT MS	116280
720-42947-22	HA08-G18-5.0	Total/NA	Solid	8260B/CA_LUFT MS	116280
720-42947-23	HA07-G17-5.0	Total/NA	Solid	8260B/CA_LUFT MS	116280
720-42947-24	HA05-G16-2.0	Total/NA	Solid	8260B/CA_LUFT MS	116280
720-42947-25	HA06-G16-7.5	Total/NA	Solid	8260B/CA_LUFT MS	116280
720-42947-26	HA01-G4-2.0	Total/NA	Solid	8260B/CA_LUFT MS	116280
720-42947-27	HA02-G5-2.0	Total/NA	Solid	8260B/CA_LUFT MS	116280
720-42947-29	HA04-G8-2.0	Total/NA	Solid	8260B/CA_LUFT MS	116280
LCS 720-116280/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	116280
LCSD 720-116280/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	116280
MB 720-116280/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	116280

Prep Batch: 116280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-17	HA30-G38-5.0	Total/NA	Solid	5030B	
720-42947-19	HA10-G26-2.0	Total/NA	Solid	5030B	



QC Association Summary

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

TestAmerica Job ID: 720-42947-1

GC/MS VOA (Continued)

Prep Batch: 116280 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-20	HA11-G26-5.0	Total/NA	Solid	5030B	
720-42947-21	HA09-G20-4.0	Total/NA	Solid	5030B	
720-42947-22	HA08-G18-5.0	Total/NA	Solid	5030B	
720-42947-23	HA07-G17-5.0	Total/NA	Solid	5030B	
720-42947-24	HA05-G16-2.0	Total/NA	Solid	5030B	
720-42947-25	HA06-G16-7.5	Total/NA	Solid	5030B	
720-42947-26	HA01-G4-2.0	Total/NA	Solid	5030B	
720-42947-27	HA02-G5-2.0	Total/NA	Solid	5030B	
720-42947-29	HA04-G8-2.0	Total/NA	Solid	5030B	
LCS 720-116280/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-116280/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-116280/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 116358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-18	HA31-G38-7.5	Total/NA	Solid	8260B/CA_LUFT MS	116366
720-42947-28	HA03-G7-2.0	Total/NA	Solid	8260B/CA_LUFT MS	116366
LCS 720-116366/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	116366
LCSD 720-116366/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	116366
MB 720-116366/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	116366

Prep Batch: 116366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-18	HA31-G38-7.5	Total/NA	Solid	5030B	
720-42947-28	HA03-G7-2.0	Total/NA	Solid	5030B	
LCS 720-116366/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-116366/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-116366/1-A	Method Blank	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 116270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-1	HA15-G29-10.0	Total/NA	Solid	3546	
720-42947-2	HA16-G31-2.0	Total/NA	Solid	3546	
720-42947-3	HA17-G31-8.0	Total/NA	Solid	3546	
720-42947-4	HA18-G32-5.0	Total/NA	Solid	3546	
720-42947-5	HA19-G32-7.5	Total/NA	Solid	3546	
720-42947-6	HA20-G33-2.0	Total/NA	Solid	3546	
720-42947-7	HA21-G33-5.0	Total/NA	Solid	3546	
720-42947-8	HA22-G33-7.5	Total/NA	Solid	3546	
720-42947-9	HA36-G42-5.0	Total/NA	Solid	3546	
720-42947-10	HA23-G34-2.0	Total/NA	Solid	3546	
720-42947-11	HA24-G34-7.5	Total/NA	Solid	3546	
720-42947-12	HA25-G35-5.0	Total/NA	Solid	3546	
720-42947-13	HA26-G37-2.0	Total/NA	Solid	3546	
720-42947-14	HA27-37-5.0	Total/NA	Solid	3546	
720-42947-15	HA28-G37-7.5	Total/NA	Solid	3546	

QC Association Summary

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

TestAmerica Job ID: 720-42947-1

GC/MS Semi VOA (Continued)

Prep Batch: 116270 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-16	HA29-G38-2.0	Total/NA	Solid	3546	
720-42947-17	HA30-G38-5.0	Total/NA	Solid	3546	
720-42947-18	HA31-G38-7.5	Total/NA	Solid	3546	
720-42947-19	HA10-G26-2.0	Total/NA	Solid	3546	
LCS 720-116270/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-116270/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-116270/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 116272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-20	HA11-G26-5.0	Total/NA	Solid	3546	
720-42947-20 MS	HA11-G26-5.0	Total/NA	Solid	3546	
720-42947-20 MSD	HA11-G26-5.0	Total/NA	Solid	3546	
720-42947-21	HA09-G20-4.0	Total/NA	Solid	3546	
720-42947-22	HA08-G18-5.0	Total/NA	Solid	3546	
720-42947-23	HA07-G17-5.0	Total/NA	Solid	3546	
720-42947-24	HA05-G16-2.0	Total/NA	Solid	3546	
720-42947-25	HA06-G16-7.5	Total/NA	Solid	3546	
720-42947-26	HA01-G4-2.0	Total/NA	Solid	3546	
720-42947-27	HA02-G5-2.0	Total/NA	Solid	3546	
720-42947-28	HA03-G7-2.0	Total/NA	Solid	3546	
720-42947-29	HA04-G8-2.0	Total/NA	Solid	3546	
LCS 720-116272/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-116272/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-116272/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 116340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-1	HA15-G29-10.0	Total/NA	Solid	8270C	116270
720-42947-2	HA16-G31-2.0	Total/NA	Solid	8270C	116270
720-42947-3	HA17-G31-8.0	Total/NA	Solid	8270C	116270
720-42947-4	HA18-G32-5.0	Total/NA	Solid	8270C	116270
720-42947-5	HA19-G32-7.5	Total/NA	Solid	8270C	116270
720-42947-6	HA20-G33-2.0	Total/NA	Solid	8270C	116270
720-42947-7	HA21-G33-5.0	Total/NA	Solid	8270C	116270
720-42947-8	HA22-G33-7.5	Total/NA	Solid	8270C	116270
720-42947-9	HA36-G42-5.0	Total/NA	Solid	8270C	116270
720-42947-10	HA23-G34-2.0	Total/NA	Solid	8270C	116270
720-42947-11	HA24-G34-7.5	Total/NA	Solid	8270C	116270
720-42947-13	HA26-G37-2.0	Total/NA	Solid	8270C	116270
720-42947-14	HA27-37-5.0	Total/NA	Solid	8270C	116270
720-42947-15	HA28-G37-7.5	Total/NA	Solid	8270C	116270
720-42947-16	HA29-G38-2.0	Total/NA	Solid	8270C	116270
720-42947-17	HA30-G38-5.0	Total/NA	Solid	8270C	116270
720-42947-18	HA31-G38-7.5	Total/NA	Solid	8270C	116270
720-42947-19	HA10-G26-2.0	Total/NA	Solid	8270C	116270
LCS 720-116270/2-A	Lab Control Sample	Total/NA	Solid	8270C	116270
LCS 720-116272/2-A	Lab Control Sample	Total/NA	Solid	8270C	116272
LCSD 720-116270/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	116270
LCSD 720-116272/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	116272
MB 720-116270/1-A	Method Blank	Total/NA	Solid	8270C	116270
MB 720-116272/1-A	Method Blank	Total/NA	Solid	8270C	116272

QC Association Summary

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

TestAmerica Job ID: 720-42947-1

GC/MS Semi VOA (Continued)

Analysis Batch: 116436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-12	HA25-G35-5.0	Total/NA	Solid	8270C	116270
720-42947-21	HA09-G20-4.0	Total/NA	Solid	8270C	116272
720-42947-22	HA08-G18-5.0	Total/NA	Solid	8270C	116272
720-42947-23	HA07-G17-5.0	Total/NA	Solid	8270C	116272
720-42947-24	HA05-G16-2.0	Total/NA	Solid	8270C	116272
720-42947-25	HA06-G16-7.5	Total/NA	Solid	8270C	116272
720-42947-26	HA01-G4-2.0	Total/NA	Solid	8270C	116272
720-42947-27	HA02-G5-2.0	Total/NA	Solid	8270C	116272
720-42947-28	HA03-G7-2.0	Total/NA	Solid	8270C	116272
720-42947-29	HA04-G8-2.0	Total/NA	Solid	8270C	116272

Analysis Batch: 116509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-20	HA11-G26-5.0	Total/NA	Solid	8270C	116272
720-42947-20 MS	HA11-G26-5.0	Total/NA	Solid	8270C	116272
720-42947-20 MSD	HA11-G26-5.0	Total/NA	Solid	8270C	116272

GC Semi VOA

Prep Batch: 116212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-2	HA16-G31-2.0	Total/NA	Solid	3546	
720-42947-7	HA21-G33-5.0	Total/NA	Solid	3546	
720-42947-9	HA36-G42-5.0	Total/NA	Solid	3546	
720-42947-13	HA26-G37-2.0	Total/NA	Solid	3546	
720-42947-18	HA31-G38-7.5	Total/NA	Solid	3546	
720-42947-20	HA11-G26-5.0	Total/NA	Solid	3546	
720-42947-25	HA06-G16-7.5	Total/NA	Solid	3546	
720-42947-26	HA01-G4-2.0	Total/NA	Solid	3546	
LCS 720-116212/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-116212/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-116212/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 116230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-1	HA15-G29-10.0	Total/NA	Solid	3546	
720-42947-1 MS	HA15-G29-10.0	Total/NA	Solid	3546	
720-42947-1 MSD	HA15-G29-10.0	Total/NA	Solid	3546	
720-42947-2	HA16-G31-2.0	Total/NA	Solid	3546	
720-42947-3	HA17-G31-8.0	Total/NA	Solid	3546	
720-42947-4	HA18-G32-5.0	Total/NA	Solid	3546	
720-42947-5	HA19-G32-7.5	Total/NA	Solid	3546	
720-42947-6	HA20-G33-2.0	Total/NA	Solid	3546	
720-42947-7	HA21-G33-5.0	Total/NA	Solid	3546	
720-42947-8	HA22-G33-7.5	Total/NA	Solid	3546	
720-42947-9	HA36-G42-5.0	Total/NA	Solid	3546	
720-42947-10	HA23-G34-2.0	Total/NA	Solid	3546	
720-42947-12	HA25-G35-5.0	Total/NA	Solid	3546	
720-42947-13	HA26-G37-2.0	Total/NA	Solid	3546	
720-42947-14	HA27-37-5.0	Total/NA	Solid	3546	
720-42947-15	HA28-G37-7.5	Total/NA	Solid	3546	
720-42947-16	HA29-G38-2.0	Total/NA	Solid	3546	

QC Association Summary

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

TestAmerica Job ID: 720-42947-1

GC Semi VOA (Continued)

Prep Batch: 116230 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-17	HA30-G38-5.0	Total/NA	Solid	3546	
720-42947-18	HA31-G38-7.5	Total/NA	Solid	3546	
LCS 720-116230/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-116230/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-116230/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 116274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-2	HA16-G31-2.0	Total/NA	Solid	8082	116212
720-42947-7	HA21-G33-5.0	Total/NA	Solid	8082	116212
720-42947-9	HA36-G42-5.0	Total/NA	Solid	8082	116212
720-42947-13	HA26-G37-2.0	Total/NA	Solid	8082	116212
720-42947-18	HA31-G38-7.5	Total/NA	Solid	8082	116212
720-42947-20	HA11-G26-5.0	Total/NA	Solid	8082	116212
720-42947-25	HA06-G16-7.5	Total/NA	Solid	8082	116212
720-42947-26	HA01-G4-2.0	Total/NA	Solid	8082	116212
LCS 720-116212/2-A	Lab Control Sample	Total/NA	Solid	8082	116212
LCSD 720-116212/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	116212
MB 720-116212/1-A	Method Blank	Total/NA	Solid	8082	116212

Prep Batch: 116277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-19	HA10-G26-2.0	Total/NA	Solid	3546	
720-42947-19 MS	HA10-G26-2.0	Total/NA	Solid	3546	
720-42947-19 MSD	HA10-G26-2.0	Total/NA	Solid	3546	
720-42947-20	HA11-G26-5.0	Total/NA	Solid	3546	
720-42947-21	HA09-G20-4.0	Total/NA	Solid	3546	
720-42947-22	HA08-G18-5.0	Total/NA	Solid	3546	
720-42947-23	HA07-G17-5.0	Total/NA	Solid	3546	
720-42947-24	HA05-G16-2.0	Total/NA	Solid	3546	
720-42947-25	HA06-G16-7.5	Total/NA	Solid	3546	
720-42947-26	HA01-G4-2.0	Total/NA	Solid	3546	
720-42947-27	HA02-G5-2.0	Total/NA	Solid	3546	
720-42947-28	HA03-G7-2.0	Total/NA	Solid	3546	
720-42947-29	HA04-G8-2.0	Total/NA	Solid	3546	
LCS 720-116277/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-116277/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-116277/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 116331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-1	HA15-G29-10.0	Total/NA	Solid	8015B	116230
720-42947-1 MS	HA15-G29-10.0	Total/NA	Solid	8015B	116230
720-42947-1 MSD	HA15-G29-10.0	Total/NA	Solid	8015B	116230
720-42947-2	HA16-G31-2.0	Total/NA	Solid	8015B	116230
720-42947-3	HA17-G31-8.0	Total/NA	Solid	8015B	116230
720-42947-4	HA18-G32-5.0	Total/NA	Solid	8015B	116230
720-42947-5	HA19-G32-7.5	Total/NA	Solid	8015B	116230
720-42947-6	HA20-G33-2.0	Total/NA	Solid	8015B	116230
720-42947-7	HA21-G33-5.0	Total/NA	Solid	8015B	116230
720-42947-8	HA22-G33-7.5	Total/NA	Solid	8015B	116230
720-42947-9	HA36-G42-5.0	Total/NA	Solid	8015B	116230

QC Association Summary

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

TestAmerica Job ID: 720-42947-1

GC Semi VOA (Continued)

Analysis Batch: 116331 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-10	HA23-G34-2.0	Total/NA	Solid	8015B	116230
720-42947-13	HA26-G37-2.0	Total/NA	Solid	8015B	116230
720-42947-14	HA27-37-5.0	Total/NA	Solid	8015B	116230
720-42947-15	HA28-G37-7.5	Total/NA	Solid	8015B	116230
720-42947-16	HA29-G38-2.0	Total/NA	Solid	8015B	116230
720-42947-17	HA30-G38-5.0	Total/NA	Solid	8015B	116230
720-42947-18	HA31-G38-7.5	Total/NA	Solid	8015B	116230
LCS 720-116230/2-A	Lab Control Sample	Total/NA	Solid	8015B	116230
LCS D 720-116230/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	116230
MB 720-116230/1-A	Method Blank	Total/NA	Solid	8015B	116230

Analysis Batch: 116374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-12	HA25-G35-5.0	Total/NA	Solid	8015B	116230
720-42947-19	HA10-G26-2.0	Total/NA	Solid	8015B	116277
720-42947-19 MS	HA10-G26-2.0	Total/NA	Solid	8015B	116277
720-42947-19 MSD	HA10-G26-2.0	Total/NA	Solid	8015B	116277
LCS 720-116277/2-A	Lab Control Sample	Total/NA	Solid	8015B	116277
LCS D 720-116277/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	116277
MB 720-116277/1-A	Method Blank	Total/NA	Solid	8015B	116277

Analysis Batch: 116403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-20	HA11-G26-5.0	Total/NA	Solid	8015B	116277
720-42947-21	HA09-G20-4.0	Total/NA	Solid	8015B	116277
720-42947-22	HA08-G18-5.0	Total/NA	Solid	8015B	116277
720-42947-23	HA07-G17-5.0	Total/NA	Solid	8015B	116277
720-42947-24	HA05-G16-2.0	Total/NA	Solid	8015B	116277
720-42947-25	HA06-G16-7.5	Total/NA	Solid	8015B	116277
720-42947-26	HA01-G4-2.0	Total/NA	Solid	8015B	116277
720-42947-27	HA02-G5-2.0	Total/NA	Solid	8015B	116277
720-42947-28	HA03-G7-2.0	Total/NA	Solid	8015B	116277
720-42947-29	HA04-G8-2.0	Total/NA	Solid	8015B	116277

Prep Batch: 116419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-11	HA24-G34-7.5	Total/NA	Solid	3546	
LCS 720-116419/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS D 720-116419/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-116419/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 116486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-11	HA24-G34-7.5	Total/NA	Solid	8015B	116419
LCS 720-116419/2-A	Lab Control Sample	Total/NA	Solid	8015B	116419
LCS D 720-116419/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	116419
MB 720-116419/1-A	Method Blank	Total/NA	Solid	8015B	116419

QC Association Summary

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

TestAmerica Job ID: 720-42947-1

Metals

Prep Batch: 116448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-1	HA15-G29-10.0	Total/NA	Solid	3050B	
720-42947-2	HA16-G31-2.0	Total/NA	Solid	3050B	
720-42947-3	HA17-G31-8.0	Total/NA	Solid	3050B	
720-42947-4	HA18-G32-5.0	Total/NA	Solid	3050B	
720-42947-5	HA19-G32-7.5	Total/NA	Solid	3050B	
720-42947-6	HA20-G33-2.0	Total/NA	Solid	3050B	
720-42947-7	HA21-G33-5.0	Total/NA	Solid	3050B	
720-42947-8	HA22-G33-7.5	Total/NA	Solid	3050B	
720-42947-9	HA36-G42-5.0	Total/NA	Solid	3050B	
720-42947-10	HA23-G34-2.0	Total/NA	Solid	3050B	
720-42947-11	HA24-G34-7.5	Total/NA	Solid	3050B	
720-42947-12	HA25-G35-5.0	Total/NA	Solid	3050B	
720-42947-13	HA26-G37-2.0	Total/NA	Solid	3050B	
720-42947-14	HA27-37-5.0	Total/NA	Solid	3050B	
720-42947-15	HA28-G37-7.5	Total/NA	Solid	3050B	
LCS 720-116448/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-116448/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-116448/25-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-116448/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 116465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-1	HA15-G29-10.0	Total/NA	Solid	7471A	
720-42947-1 MS	HA15-G29-10.0	Total/NA	Solid	7471A	
720-42947-1 MSD	HA15-G29-10.0	Total/NA	Solid	7471A	
720-42947-2	HA16-G31-2.0	Total/NA	Solid	7471A	
720-42947-3	HA17-G31-8.0	Total/NA	Solid	7471A	
720-42947-4	HA18-G32-5.0	Total/NA	Solid	7471A	
720-42947-5	HA19-G32-7.5	Total/NA	Solid	7471A	
720-42947-6	HA20-G33-2.0	Total/NA	Solid	7471A	
720-42947-7	HA21-G33-5.0	Total/NA	Solid	7471A	
720-42947-8	HA22-G33-7.5	Total/NA	Solid	7471A	
720-42947-9	HA36-G42-5.0	Total/NA	Solid	7471A	
720-42947-10	HA23-G34-2.0	Total/NA	Solid	7471A	
720-42947-11	HA24-G34-7.5	Total/NA	Solid	7471A	
720-42947-12	HA25-G35-5.0	Total/NA	Solid	7471A	
720-42947-13	HA26-G37-2.0	Total/NA	Solid	7471A	
720-42947-14	HA27-37-5.0	Total/NA	Solid	7471A	
720-42947-15	HA28-G37-7.5	Total/NA	Solid	7471A	
720-42947-16	HA29-G38-2.0	Total/NA	Solid	7471A	
720-42947-17	HA30-G38-5.0	Total/NA	Solid	7471A	
720-42947-18	HA31-G38-7.5	Total/NA	Solid	7471A	
720-42947-19	HA10-G26-2.0	Total/NA	Solid	7471A	
720-42947-20	HA11-G26-5.0	Total/NA	Solid	7471A	
LCS 720-116465/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-116465/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-116465/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 116468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-21	HA09-G20-4.0	Total/NA	Solid	7471A	
720-42947-21 MS	HA09-G20-4.0	Total/NA	Solid	7471A	



QC Association Summary

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

TestAmerica Job ID: 720-42947-1

Metals (Continued)

Prep Batch: 116468 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-21 MSD	HA09-G20-4.0	Total/NA	Solid	7471A	
720-42947-22	HA08-G18-5.0	Total/NA	Solid	7471A	
720-42947-23	HA07-G17-5.0	Total/NA	Solid	7471A	
720-42947-24	HA05-G16-2.0	Total/NA	Solid	7471A	
720-42947-25	HA06-G16-7.5	Total/NA	Solid	7471A	
720-42947-26	HA01-G4-2.0	Total/NA	Solid	7471A	
720-42947-27	HA02-G5-2.0	Total/NA	Solid	7471A	
720-42947-28	HA03-G7-2.0	Total/NA	Solid	7471A	
720-42947-29	HA04-G8-2.0	Total/NA	Solid	7471A	
LCS 720-116468/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCS 720-116468/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-116468/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 116482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-1	HA15-G29-10.0	Total/NA	Solid	7471A	116465
720-42947-1 MS	HA15-G29-10.0	Total/NA	Solid	7471A	116465
720-42947-1 MSD	HA15-G29-10.0	Total/NA	Solid	7471A	116465
720-42947-2	HA16-G31-2.0	Total/NA	Solid	7471A	116465
720-42947-3	HA17-G31-8.0	Total/NA	Solid	7471A	116465
720-42947-4	HA18-G32-5.0	Total/NA	Solid	7471A	116465
720-42947-5	HA19-G32-7.5	Total/NA	Solid	7471A	116465
720-42947-6	HA20-G33-2.0	Total/NA	Solid	7471A	116465
720-42947-7	HA21-G33-5.0	Total/NA	Solid	7471A	116465
720-42947-8	HA22-G33-7.5	Total/NA	Solid	7471A	116465
720-42947-9	HA36-G42-5.0	Total/NA	Solid	7471A	116465
720-42947-10	HA23-G34-2.0	Total/NA	Solid	7471A	116465
720-42947-11	HA24-G34-7.5	Total/NA	Solid	7471A	116465
720-42947-12	HA25-G35-5.0	Total/NA	Solid	7471A	116465
720-42947-13	HA26-G37-2.0	Total/NA	Solid	7471A	116465
720-42947-14	HA27-37-5.0	Total/NA	Solid	7471A	116465
720-42947-15	HA28-G37-7.5	Total/NA	Solid	7471A	116465
720-42947-16	HA29-G38-2.0	Total/NA	Solid	7471A	116465
720-42947-17	HA30-G38-5.0	Total/NA	Solid	7471A	116465
720-42947-18	HA31-G38-7.5	Total/NA	Solid	7471A	116465
720-42947-19	HA10-G26-2.0	Total/NA	Solid	7471A	116465
720-42947-20	HA11-G26-5.0	Total/NA	Solid	7471A	116465
LCS 720-116465/2-A	Lab Control Sample	Total/NA	Solid	7471A	116465
LCS 720-116465/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	116465
MB 720-116465/1-A	Method Blank	Total/NA	Solid	7471A	116465

Analysis Batch: 116483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-21	HA09-G20-4.0	Total/NA	Solid	7471A	116468
720-42947-21 MS	HA09-G20-4.0	Total/NA	Solid	7471A	116468
720-42947-21 MSD	HA09-G20-4.0	Total/NA	Solid	7471A	116468
720-42947-22	HA08-G18-5.0	Total/NA	Solid	7471A	116468
720-42947-23	HA07-G17-5.0	Total/NA	Solid	7471A	116468
720-42947-24	HA05-G16-2.0	Total/NA	Solid	7471A	116468
720-42947-25	HA06-G16-7.5	Total/NA	Solid	7471A	116468
720-42947-26	HA01-G4-2.0	Total/NA	Solid	7471A	116468
720-42947-27	HA02-G5-2.0	Total/NA	Solid	7471A	116468

QC Association Summary

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

TestAmerica Job ID: 720-42947-1

Metals (Continued)

Analysis Batch: 116483 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-28	HA03-G7-2.0	Total/NA	Solid	7471A	116468
720-42947-29	HA04-G8-2.0	Total/NA	Solid	7471A	116468
LCS 720-116468/2-A	Lab Control Sample	Total/NA	Solid	7471A	116468
LCSD 720-116468/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	116468
MB 720-116468/1-A	Method Blank	Total/NA	Solid	7471A	116468

Prep Batch: 116499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-116499/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-116499/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-116499/22-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-116499/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 116515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-16	HA29-G38-2.0	Total/NA	Solid	3050B	
720-42947-16 MS	HA29-G38-2.0	Total/NA	Solid	3050B	
720-42947-16 MSD	HA29-G38-2.0	Total/NA	Solid	3050B	
720-42947-17	HA30-G38-5.0	Total/NA	Solid	3050B	
720-42947-18	HA31-G38-7.5	Total/NA	Solid	3050B	
720-42947-19	HA10-G26-2.0	Total/NA	Solid	3050B	
720-42947-20	HA11-G26-5.0	Total/NA	Solid	3050B	
720-42947-21	HA09-G20-4.0	Total/NA	Solid	3050B	
720-42947-22	HA08-G18-5.0	Total/NA	Solid	3050B	
720-42947-23	HA07-G17-5.0	Total/NA	Solid	3050B	
720-42947-24	HA05-G16-2.0	Total/NA	Solid	3050B	
720-42947-25	HA06-G16-7.5	Total/NA	Solid	3050B	
720-42947-26	HA01-G4-2.0	Total/NA	Solid	3050B	
720-42947-27	HA02-G5-2.0	Total/NA	Solid	3050B	
720-42947-28	HA03-G7-2.0	Total/NA	Solid	3050B	
720-42947-29	HA04-G8-2.0	Total/NA	Solid	3050B	
LCS 720-116515/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-116515/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-116515/25-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-116515/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 116524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-1	HA15-G29-10.0	Total/NA	Solid	6010B	116448
720-42947-2	HA16-G31-2.0	Total/NA	Solid	6010B	116448
720-42947-3	HA17-G31-8.0	Total/NA	Solid	6010B	116448
720-42947-4	HA18-G32-5.0	Total/NA	Solid	6010B	116448
720-42947-5	HA19-G32-7.5	Total/NA	Solid	6010B	116448
720-42947-6	HA20-G33-2.0	Total/NA	Solid	6010B	116448
720-42947-7	HA21-G33-5.0	Total/NA	Solid	6010B	116448
720-42947-8	HA22-G33-7.5	Total/NA	Solid	6010B	116448
720-42947-9	HA36-G42-5.0	Total/NA	Solid	6010B	116448
720-42947-10	HA23-G34-2.0	Total/NA	Solid	6010B	116448
720-42947-11	HA24-G34-7.5	Total/NA	Solid	6010B	116448
720-42947-12	HA25-G35-5.0	Total/NA	Solid	6010B	116448
720-42947-13	HA26-G37-2.0	Total/NA	Solid	6010B	116448
720-42947-14	HA27-37-5.0	Total/NA	Solid	6010B	116448

QC Association Summary

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

TestAmerica Job ID: 720-42947-1

Metals (Continued)

Analysis Batch: 116524 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-15	HA28-G37-7.5	Total/NA	Solid	6010B	116448
LCS 720-116448/2-A	Lab Control Sample	Total/NA	Solid	6010B	116448
LCSD 720-116448/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	116448
LCSSRM 720-116448/25-A	Lab Control Sample	Total/NA	Solid	6010B	116448
MB 720-116448/1-A	Method Blank	Total/NA	Solid	6010B	116448

Analysis Batch: 116564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-116499/2-A	Lab Control Sample	Total/NA	Solid	6010B	116499
LCSD 720-116499/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	116499
MB 720-116499/1-A	Method Blank	Total/NA	Solid	6010B	116499

Analysis Batch: 116576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 720-116499/22-A	Lab Control Sample	Total/NA	Solid	6010B	116499

Analysis Batch: 116586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42947-16	HA29-G38-2.0	Total/NA	Solid	6010B	116515
720-42947-16 MS	HA29-G38-2.0	Total/NA	Solid	6010B	116515
720-42947-16 MSD	HA29-G38-2.0	Total/NA	Solid	6010B	116515
720-42947-17	HA30-G38-5.0	Total/NA	Solid	6010B	116515
720-42947-18	HA31-G38-7.5	Total/NA	Solid	6010B	116515
720-42947-19	HA10-G26-2.0	Total/NA	Solid	6010B	116515
720-42947-20	HA11-G26-5.0	Total/NA	Solid	6010B	116515
720-42947-21	HA09-G20-4.0	Total/NA	Solid	6010B	116515
720-42947-22	HA08-G18-5.0	Total/NA	Solid	6010B	116515
720-42947-23	HA07-G17-5.0	Total/NA	Solid	6010B	116515
720-42947-24	HA05-G16-2.0	Total/NA	Solid	6010B	116515
720-42947-25	HA06-G16-7.5	Total/NA	Solid	6010B	116515
720-42947-26	HA01-G4-2.0	Total/NA	Solid	6010B	116515
720-42947-27	HA02-G5-2.0	Total/NA	Solid	6010B	116515
720-42947-28	HA03-G7-2.0	Total/NA	Solid	6010B	116515
720-42947-29	HA04-G8-2.0	Total/NA	Solid	6010B	116515
LCS 720-116515/2-A	Lab Control Sample	Total/NA	Solid	6010B	116515
LCSD 720-116515/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	116515
LCSSRM 720-116515/25-A	Lab Control Sample	Total/NA	Solid	6010B	116515
MB 720-116515/1-A	Method Blank	Total/NA	Solid	6010B	116515

Lab Chronicle

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA15-G29-10.0

Lab Sample ID: 720-42947-1

Date Collected: 06/26/12 08:20

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116256	06/27/12 19:05	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116236	06/27/12 23:16	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 15:51	ML	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/29/12 19:09	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:56	SK	TAL SF
Total/NA	Prep	3050B			116448	07/02/12 14:29	EP	TAL SF
Total/NA	Analysis	6010B		4	116524	07/03/12 11:16	EFH	TAL SF

Client Sample ID: HA16-G31-2.0

Lab Sample ID: 720-42947-2

Date Collected: 06/26/12 08:30

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116256	06/27/12 19:05	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116236	06/27/12 23:45	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 16:16	ML	TAL SF
Total/NA	Prep	3546			116212	06/27/12 11:16	AM	TAL SF
Total/NA	Analysis	8082		1	116274	06/29/12 04:29	EC	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/29/12 19:33	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:01	SK	TAL SF
Total/NA	Prep	3050B			116448	07/02/12 14:29	EP	TAL SF
Total/NA	Analysis	6010B		4	116524	07/03/12 11:20	EFH	TAL SF

Client Sample ID: HA17-G31-8.0

Lab Sample ID: 720-42947-3

Date Collected: 06/26/12 08:40

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116256	06/27/12 19:05	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116236	06/28/12 00:14	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 16:40	ML	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/29/12 19:58	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:03	SK	TAL SF
Total/NA	Prep	3050B			116448	07/02/12 14:29	EP	TAL SF
Total/NA	Analysis	6010B		4	116524	07/03/12 11:25	EFH	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA18-G32-5.0

Lab Sample ID: 720-42947-4

Date Collected: 06/26/12 08:55

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116256	06/27/12 19:05	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116236	06/28/12 00:43	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 17:04	ML	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/29/12 20:22	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:05	SK	TAL SF
Total/NA	Prep	3050B			116448	07/02/12 14:29	EP	TAL SF
Total/NA	Analysis	6010B		4	116524	07/03/12 11:29	EFH	TAL SF

Client Sample ID: HA19-G32-7.5

Lab Sample ID: 720-42947-5

Date Collected: 06/26/12 09:00

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116256	06/27/12 19:05	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116236	06/28/12 01:12	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 17:28	ML	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/29/12 20:46	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:08	SK	TAL SF
Total/NA	Prep	3050B			116448	07/02/12 14:29	EP	TAL SF
Total/NA	Analysis	6010B		4	116524	07/03/12 11:34	EFH	TAL SF

Client Sample ID: HA20-G33-2.0

Lab Sample ID: 720-42947-6

Date Collected: 06/26/12 09:10

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116256	06/27/12 19:05	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116236	06/28/12 01:41	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 17:51	ML	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/29/12 21:11	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:15	SK	TAL SF
Total/NA	Prep	3050B			116448	07/02/12 14:29	EP	TAL SF
Total/NA	Analysis	6010B		4	116524	07/03/12 11:38	EFH	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA21-G33-5.0

Lab Sample ID: 720-42947-7

Date Collected: 06/26/12 09:15

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116256	06/27/12 19:05	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116236	06/28/12 02:10	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 18:15	ML	TAL SF
Total/NA	Prep	3546			116212	06/27/12 11:16	AM	TAL SF
Total/NA	Analysis	8082		1	116274	06/29/12 04:46	EC	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/29/12 21:35	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:17	SK	TAL SF
Total/NA	Prep	3050B			116448	07/02/12 14:29	EP	TAL SF
Total/NA	Analysis	6010B		4	116524	07/03/12 11:43	EFH	TAL SF

Client Sample ID: HA22-G33-7.5

Lab Sample ID: 720-42947-8

Date Collected: 06/26/12 09:25

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116256	06/27/12 19:05	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116236	06/28/12 02:39	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 18:39	ML	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/29/12 22:00	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:20	SK	TAL SF
Total/NA	Prep	3050B			116448	07/02/12 14:29	EP	TAL SF
Total/NA	Analysis	6010B		4	116524	07/03/12 11:47	EFH	TAL SF

Client Sample ID: HA36-G42-5.0

Lab Sample ID: 720-42947-9

Date Collected: 06/26/12 09:35

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116256	06/27/12 19:05	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116236	06/28/12 03:08	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 19:04	ML	TAL SF
Total/NA	Prep	3546			116212	06/27/12 11:16	AM	TAL SF
Total/NA	Analysis	8082		1	116274	06/29/12 05:03	EC	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/29/12 22:24	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:22	SK	TAL SF
Total/NA	Prep	3050B			116448	07/02/12 14:29	EP	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA36-G42-5.0

Lab Sample ID: 720-42947-9

Date Collected: 06/26/12 09:35

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		4	116524	07/03/12 11:52	EFH	TAL SF

Client Sample ID: HA23-G34-2.0

Lab Sample ID: 720-42947-10

Date Collected: 06/26/12 09:50

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116256	06/27/12 19:05	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116236	06/28/12 03:37	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 19:28	ML	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/29/12 22:48	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:24	SK	TAL SF
Total/NA	Prep	3050B			116448	07/02/12 14:29	EP	TAL SF
Total/NA	Analysis	6010B		4	116524	07/03/12 11:56	EFH	TAL SF

Client Sample ID: HA24-G34-7.5

Lab Sample ID: 720-42947-11

Date Collected: 06/26/12 10:00

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116256	06/27/12 19:05	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116236	06/28/12 04:06	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 19:52	ML	TAL SF
Total/NA	Prep	3546			116419	07/02/12 09:03	AM	TAL SF
Total/NA	Analysis	8015B		1	116486	07/03/12 10:48	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:27	SK	TAL SF
Total/NA	Prep	3050B			116448	07/02/12 14:29	EP	TAL SF
Total/NA	Analysis	6010B		4	116524	07/03/12 12:09	EFH	TAL SF

Client Sample ID: HA25-G35-5.0

Lab Sample ID: 720-42947-12

Date Collected: 06/26/12 10:20

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116256	06/27/12 19:05	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116236	06/28/12 04:35	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		2	116436	07/02/12 23:11	ML	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA25-G35-5.0

Lab Sample ID: 720-42947-12

Date Collected: 06/26/12 10:20

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015B		1	116374	06/30/12 09:26	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:29	SK	TAL SF
Total/NA	Prep	3050B			116448	07/02/12 14:29	EP	TAL SF
Total/NA	Analysis	6010B		4	116524	07/03/12 12:14	EFH	TAL SF

Client Sample ID: HA26-G37-2.0

Lab Sample ID: 720-42947-13

Date Collected: 06/26/12 10:30

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116256	06/27/12 19:05	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116236	06/28/12 05:04	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 20:16	ML	TAL SF
Total/NA	Prep	3546			116212	06/27/12 11:16	AM	TAL SF
Total/NA	Analysis	8082		1	116274	06/29/12 05:21	EC	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/30/12 00:01	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:31	SK	TAL SF
Total/NA	Prep	3050B			116448	07/02/12 14:29	EP	TAL SF
Total/NA	Analysis	6010B		4	116524	07/03/12 12:18	EFH	TAL SF

Client Sample ID: HA27-37-5.0

Lab Sample ID: 720-42947-14

Date Collected: 06/26/12 10:40

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116256	06/27/12 19:05	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116236	06/28/12 05:33	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 20:40	ML	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/30/12 00:26	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:34	SK	TAL SF
Total/NA	Prep	3050B			116448	07/02/12 14:29	EP	TAL SF
Total/NA	Analysis	6010B		4	116524	07/03/12 12:23	EFH	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA28-G37-7.5

Lab Sample ID: 720-42947-15

Date Collected: 06/26/12 10:45

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116256	06/27/12 19:05	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116236	06/28/12 06:02	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 21:04	ML	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/30/12 00:50	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:37	SK	TAL SF
Total/NA	Prep	3050B			116448	07/02/12 14:29	EP	TAL SF
Total/NA	Analysis	6010B		4	116524	07/03/12 12:27	EFH	TAL SF

Client Sample ID: HA29-G38-2.0

Lab Sample ID: 720-42947-16

Date Collected: 06/26/12 10:55

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116249	06/27/12 16:00	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116233	06/28/12 03:17	LL	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 21:28	ML	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/30/12 01:15	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:44	SK	TAL SF
Total/NA	Prep	3050B			116515	07/03/12 11:27	CAM	TAL SF
Total/NA	Analysis	6010B		4	116586	07/04/12 02:49	BA	TAL SF

Client Sample ID: HA30-G38-5.0

Lab Sample ID: 720-42947-17

Date Collected: 06/26/12 11:05

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116280	06/28/12 07:00	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116269	06/28/12 10:58	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 21:51	ML	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/30/12 01:39	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:46	SK	TAL SF
Total/NA	Prep	3050B			116515	07/03/12 11:27	CAM	TAL SF
Total/NA	Analysis	6010B		4	116586	07/04/12 02:58	BA	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA31-G38-7.5

Lab Sample ID: 720-42947-18

Date Collected: 06/26/12 11:10

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116366	06/29/12 19:37	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116358	06/30/12 00:27	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 22:15	ML	TAL SF
Total/NA	Prep	3546			116212	06/27/12 11:16	AM	TAL SF
Total/NA	Analysis	8082		1	116274	06/29/12 05:38	EC	TAL SF
Total/NA	Prep	3546			116230	06/27/12 14:17	MP	TAL SF
Total/NA	Analysis	8015B		1	116331	06/30/12 02:03	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:48	SK	TAL SF
Total/NA	Prep	3050B			116515	07/03/12 11:27	CAM	TAL SF
Total/NA	Analysis	6010B		4	116586	07/04/12 03:02	BA	TAL SF

Client Sample ID: HA10-G26-2.0

Lab Sample ID: 720-42947-19

Date Collected: 06/26/12 12:10

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116280	06/28/12 07:00	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116269	06/28/12 11:27	AC	TAL SF
Total/NA	Prep	3546			116270	06/28/12 07:05	NP	TAL SF
Total/NA	Analysis	8270C		1	116340	06/29/12 22:39	ML	TAL SF
Total/NA	Prep	3546			116277	06/28/12 09:27	MP	TAL SF
Total/NA	Analysis	8015B		1	116374	06/30/12 23:13	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:51	SK	TAL SF
Total/NA	Prep	3050B			116515	07/03/12 11:27	CAM	TAL SF
Total/NA	Analysis	6010B		4	116586	07/04/12 03:06	BA	TAL SF

Client Sample ID: HA11-G26-5.0

Lab Sample ID: 720-42947-20

Date Collected: 06/26/12 12:20

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116280	06/28/12 07:00	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116269	06/28/12 11:56	AC	TAL SF
Total/NA	Prep	3546			116272	06/28/12 07:34	NP	TAL SF
Total/NA	Analysis	8270C		5	116509	07/03/12 12:58	ML	TAL SF
Total/NA	Prep	3546			116212	06/27/12 11:16	AM	TAL SF
Total/NA	Analysis	8082		1	116274	06/29/12 05:55	EC	TAL SF
Total/NA	Prep	3546			116277	06/28/12 09:27	MP	TAL SF
Total/NA	Analysis	8015B		3	116403	07/02/12 18:56	JZ	TAL SF
Total/NA	Prep	7471A			116465	07/02/12 17:46	CDT	TAL SF
Total/NA	Analysis	7471A		1	116482	07/02/12 22:54	SK	TAL SF
Total/NA	Prep	3050B			116515	07/03/12 11:27	CAM	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA11-G26-5.0

Lab Sample ID: 720-42947-20

Date Collected: 06/26/12 12:20

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		4	116586	07/04/12 03:11	BA	TAL SF

Client Sample ID: HA09-G20-4.0

Lab Sample ID: 720-42947-21

Date Collected: 06/26/12 12:40

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116280	06/28/12 07:00	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116269	06/28/12 12:25	AC	TAL SF
Total/NA	Prep	3546			116272	06/28/12 07:34	NP	TAL SF
Total/NA	Analysis	8270C		1	116436	07/02/12 15:04	ML	TAL SF
Total/NA	Prep	3546			116277	06/28/12 09:27	MP	TAL SF
Total/NA	Analysis	8015B		1	116403	07/02/12 11:46	JZ	TAL SF
Total/NA	Prep	7471A			116468	07/02/12 18:20	CAM	TAL SF
Total/NA	Analysis	7471A		1	116483	07/03/12 00:50	SK	TAL SF
Total/NA	Prep	3050B			116515	07/03/12 11:27	CAM	TAL SF
Total/NA	Analysis	6010B		4	116586	07/04/12 03:15	BA	TAL SF

Client Sample ID: HA08-G18-5.0

Lab Sample ID: 720-42947-22

Date Collected: 06/26/12 12:55

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116280	06/28/12 07:00	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116269	06/28/12 12:54	AC	TAL SF
Total/NA	Prep	3546			116272	06/28/12 07:34	NP	TAL SF
Total/NA	Analysis	8270C		1	116436	07/02/12 15:28	ML	TAL SF
Total/NA	Prep	3546			116277	06/28/12 09:27	MP	TAL SF
Total/NA	Analysis	8015B		1	116403	07/02/12 12:13	JZ	TAL SF
Total/NA	Prep	7471A			116468	07/02/12 18:20	CAM	TAL SF
Total/NA	Analysis	7471A		1	116483	07/02/12 23:50	SK	TAL SF
Total/NA	Prep	3050B			116515	07/03/12 11:27	CAM	TAL SF
Total/NA	Analysis	6010B		4	116586	07/04/12 03:19	BA	TAL SF

Client Sample ID: HA07-G17-5.0

Lab Sample ID: 720-42947-23

Date Collected: 06/26/12 13:10

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116280	06/28/12 07:00	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116269	06/28/12 13:23	AC	TAL SF
Total/NA	Prep	3546			116272	06/28/12 07:34	NP	TAL SF
Total/NA	Analysis	8270C		1	116436	07/02/12 15:54	ML	TAL SF
Total/NA	Prep	3546			116277	06/28/12 09:27	MP	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA07-G17-5.0

Lab Sample ID: 720-42947-23

Date Collected: 06/26/12 13:10

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015B		1	116403	07/02/12 12:37	JZ	TAL SF
Total/NA	Prep	7471A			116468	07/02/12 18:20	CAM	TAL SF
Total/NA	Analysis	7471A		1	116483	07/02/12 23:53	SK	TAL SF
Total/NA	Prep	3050B			116515	07/03/12 11:27	CAM	TAL SF
Total/NA	Analysis	6010B		4	116586	07/04/12 03:23	BA	TAL SF

Client Sample ID: HA05-G16-2.0

Lab Sample ID: 720-42947-24

Date Collected: 06/26/12 13:15

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116280	06/28/12 07:00	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116269	06/28/12 13:52	AC	TAL SF
Total/NA	Prep	3546			116272	06/28/12 07:34	NP	TAL SF
Total/NA	Analysis	8270C		1	116436	07/02/12 16:21	ML	TAL SF
Total/NA	Prep	3546			116277	06/28/12 09:27	MP	TAL SF
Total/NA	Analysis	8015B		1	116403	07/02/12 13:02	JZ	TAL SF
Total/NA	Prep	7471A			116468	07/02/12 18:20	CAM	TAL SF
Total/NA	Analysis	7471A		1	116483	07/02/12 23:56	SK	TAL SF
Total/NA	Prep	3050B			116515	07/03/12 11:27	CAM	TAL SF
Total/NA	Analysis	6010B		4	116586	07/04/12 03:36	BA	TAL SF

Client Sample ID: HA06-G16-7.5

Lab Sample ID: 720-42947-25

Date Collected: 06/26/12 13:30

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116280	06/28/12 07:00	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116269	06/28/12 14:21	AC	TAL SF
Total/NA	Prep	3546			116272	06/28/12 07:34	NP	TAL SF
Total/NA	Analysis	8270C		1	116436	07/02/12 16:45	ML	TAL SF
Total/NA	Prep	3546			116212	06/27/12 11:16	AM	TAL SF
Total/NA	Analysis	8082		1	116274	06/29/12 06:12	EC	TAL SF
Total/NA	Prep	3546			116277	06/28/12 09:27	MP	TAL SF
Total/NA	Analysis	8015B		1	116403	07/02/12 13:26	JZ	TAL SF
Total/NA	Prep	7471A			116468	07/02/12 18:20	CAM	TAL SF
Total/NA	Analysis	7471A		1	116483	07/02/12 23:58	SK	TAL SF
Total/NA	Prep	3050B			116515	07/03/12 11:27	CAM	TAL SF
Total/NA	Analysis	6010B		4	116586	07/04/12 03:41	BA	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA01-G4-2.0

Lab Sample ID: 720-42947-26

Date Collected: 06/26/12 13:40

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116280	06/28/12 07:00	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116269	06/28/12 14:50	AC	TAL SF
Total/NA	Prep	3546			116272	06/28/12 07:34	NP	TAL SF
Total/NA	Analysis	8270C		1	116436	07/02/12 17:09	ML	TAL SF
Total/NA	Prep	3546			116212	06/27/12 11:16	AM	TAL SF
Total/NA	Analysis	8082		1	116274	06/29/12 06:29	EC	TAL SF
Total/NA	Prep	3546			116277	06/28/12 09:27	MP	TAL SF
Total/NA	Analysis	8015B		1	116403	07/02/12 13:51	JZ	TAL SF
Total/NA	Prep	7471A			116468	07/02/12 18:20	CAM	TAL SF
Total/NA	Analysis	7471A		1	116483	07/03/12 00:06	SK	TAL SF
Total/NA	Prep	3050B			116515	07/03/12 11:27	CAM	TAL SF
Total/NA	Analysis	6010B		4	116586	07/04/12 03:45	BA	TAL SF

Client Sample ID: HA02-G5-2.0

Lab Sample ID: 720-42947-27

Date Collected: 06/26/12 14:10

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116280	06/28/12 07:00	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116269	06/28/12 15:19	AC	TAL SF
Total/NA	Prep	3546			116272	06/28/12 07:34	NP	TAL SF
Total/NA	Analysis	8270C		1	116436	07/02/12 17:33	ML	TAL SF
Total/NA	Prep	3546			116277	06/28/12 09:27	MP	TAL SF
Total/NA	Analysis	8015B		1	116403	07/02/12 14:16	JZ	TAL SF
Total/NA	Prep	7471A			116468	07/02/12 18:20	CAM	TAL SF
Total/NA	Analysis	7471A		1	116483	07/03/12 00:09	SK	TAL SF
Total/NA	Prep	3050B			116515	07/03/12 11:27	CAM	TAL SF
Total/NA	Analysis	6010B		4	116586	07/04/12 03:49	BA	TAL SF

Client Sample ID: HA03-G7-2.0

Lab Sample ID: 720-42947-28

Date Collected: 06/26/12 14:20

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116366	06/29/12 19:37	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116358	06/30/12 00:57	AC	TAL SF
Total/NA	Prep	3546			116272	06/28/12 07:34	NP	TAL SF
Total/NA	Analysis	8270C		1	116436	07/02/12 17:57	ML	TAL SF
Total/NA	Prep	3546			116277	06/28/12 09:27	MP	TAL SF
Total/NA	Analysis	8015B		1	116403	07/02/12 14:40	JZ	TAL SF
Total/NA	Prep	7471A			116468	07/02/12 18:20	CAM	TAL SF
Total/NA	Analysis	7471A		1	116483	07/03/12 00:12	SK	TAL SF
Total/NA	Prep	3050B			116515	07/03/12 11:27	CAM	TAL SF
Total/NA	Analysis	6010B		4	116586	07/04/12 03:53	BA	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-42947-1

Client Sample ID: HA04-G8-2.0

Lab Sample ID: 720-42947-29

Date Collected: 06/26/12 14:30

Matrix: Solid

Date Received: 06/26/12 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116280	06/28/12 07:00	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116269	06/28/12 16:17	AC	TAL SF
Total/NA	Prep	3546			116272	06/28/12 07:34	NP	TAL SF
Total/NA	Analysis	8270C		1	116436	07/02/12 20:47	ML	TAL SF
Total/NA	Prep	3546			116277	06/28/12 09:27	MP	TAL SF
Total/NA	Analysis	8015B		1	116403	07/02/12 15:04	JZ	TAL SF
Total/NA	Prep	7471A			116468	07/02/12 18:20	CAM	TAL SF
Total/NA	Analysis	7471A		1	116483	07/03/12 00:14	SK	TAL SF
Total/NA	Prep	3050B			116515	07/03/12 11:27	CAM	TAL SF
Total/NA	Analysis	6010B		4	116586	07/04/12 03:58	BA	TAL SF

Laboratory References:

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



Certification Summary

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

TestAmerica Job ID: 720-42947-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Pleasanton	California	State Program	9	2496

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.

- 1
- 2
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- 5
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- 14

Method Summary

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

TestAmerica Job ID: 720-42947-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL SF
8270C	Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL SF
6010B	Metals (ICP)	SW846	TAL SF
7471A	Mercury (CVAA)	SW846	TAL SF

Protocol References:

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

Laboratory References:

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



Sample Summary

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

TestAmerica Job ID: 720-42947-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-42947-1	HA15-G29-10.0	Solid	06/26/12 08:20	06/26/12 15:40
720-42947-2	HA16-G31-2.0	Solid	06/26/12 08:30	06/26/12 15:40
720-42947-3	HA17-G31-8.0	Solid	06/26/12 08:40	06/26/12 15:40
720-42947-4	HA18-G32-5.0	Solid	06/26/12 08:55	06/26/12 15:40
720-42947-5	HA19-G32-7.5	Solid	06/26/12 09:00	06/26/12 15:40
720-42947-6	HA20-G33-2.0	Solid	06/26/12 09:10	06/26/12 15:40
720-42947-7	HA21-G33-5.0	Solid	06/26/12 09:15	06/26/12 15:40
720-42947-8	HA22-G33-7.5	Solid	06/26/12 09:25	06/26/12 15:40
720-42947-9	HA36-G42-5.0	Solid	06/26/12 09:35	06/26/12 15:40
720-42947-10	HA23-G34-2.0	Solid	06/26/12 09:50	06/26/12 15:40
720-42947-11	HA24-G34-7.5	Solid	06/26/12 10:00	06/26/12 15:40
720-42947-12	HA25-G35-5.0	Solid	06/26/12 10:20	06/26/12 15:40
720-42947-13	HA26-G37-2.0	Solid	06/26/12 10:30	06/26/12 15:40
720-42947-14	HA27-37-5.0	Solid	06/26/12 10:40	06/26/12 15:40
720-42947-15	HA28-G37-7.5	Solid	06/26/12 10:45	06/26/12 15:40
720-42947-16	HA29-G38-2.0	Solid	06/26/12 10:55	06/26/12 15:40
720-42947-17	HA30-G38-5.0	Solid	06/26/12 11:05	06/26/12 15:40
720-42947-18	HA31-G38-7.5	Solid	06/26/12 11:10	06/26/12 15:40
720-42947-19	HA10-G26-2.0	Solid	06/26/12 12:10	06/26/12 15:40
720-42947-20	HA11-G26-5.0	Solid	06/26/12 12:20	06/26/12 15:40
720-42947-21	HA09-G20-4.0	Solid	06/26/12 12:40	06/26/12 15:40
720-42947-22	HA08-G18-5.0	Solid	06/26/12 12:55	06/26/12 15:40
720-42947-23	HA07-G17-5.0	Solid	06/26/12 13:10	06/26/12 15:40
720-42947-24	HA05-G16-2.0	Solid	06/26/12 13:15	06/26/12 15:40
720-42947-25	HA06-G16-7.5	Solid	06/26/12 13:30	06/26/12 15:40
720-42947-26	HA01-G4-2.0	Solid	06/26/12 13:40	06/26/12 15:40
720-42947-27	HA02-G5-2.0	Solid	06/26/12 14:10	06/26/12 15:40
720-42947-28	HA03-G7-2.0	Solid	06/26/12 14:20	06/26/12 15:40
720-42947-29	HA04-G8-2.0	Solid	06/26/12 14:30	06/26/12 15:40



Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, CA 94596

CHAIN OF CUSTODY RECORD

720 42947

139127

Phone (617) 886-7400
Fax (617) 886-7600
Page 1 of 3

H&A FILE NO. 39048-000	LABORATORY TestAmerica Pleasanton	DELIVERY DATE 6/26/2012
PROJECT NAME Former Hansons Stockpile	ADDRESS 1220 Quarry Lane, Pleasanton, CA	TURNAROUND TIME Standard
H&A CONTACT Jessica Bernardini 925.949.1027	CONTACT 925.484.1919	PROJECT MANAGER Dimple Sharma

Sample No.	Date	Time	Depth (ft)	Type	Analysis Requested												Number of Containers	Comments (special instructions, precautions, additional method numbers, etc.)
					SVOCs by EPA 8270C	VOCs by EPA 8260B	TPH by EPA 8015	Heavy Metals by 7471A-CAM17	Pesticides by EPA 8081A, 8141A	pH	Asbestos by CNRH 435	PCB by EPA 8082						
HA15-G29-10.0	6/26/12	0820	10.0	S	X	X	X	X	X	X	X	X	X	X	X	X	7	↓
HA16-G31-2.0	6/26/12	0830	2.0	S	X	X	X	X	X	X	X	X	X	X	X	X		
HA17-G31-8.0	6/26/12	0840	8.0	S	X	X	X	X	X	X	X	X	X	X	X	X		
HA18-G32-5.0	6/26/12	0855	5.0	S	X	X	X	X	X	X	X	X	X	X	X	X		
HA19-G32-7.5	6/26/12	0900	7.5	S	X	X	X	X	X	X	X	X	X	X	X	X		
HA20-G33-2.0	6/26/12	0910	2.0	S	X	X	X	X	X	X	X	X	X	X	X	X		
HA21-G33-5.0	6/26/12	0915	5.0	S	X	X	X	X	X	X	X	X	X	X	X	X		
HA22-G33-7.5	6/26/12	0925	7.5	S	X	X	X	X	X	X	X	X	X	X	X	X		
HA36-G42-5.0	6/26/12	0935	5.0	S	X	X	X	X	X	X	X	X	X	X	X	X		
HA23-G34-2.0	6/26/12	0950	2.0	S	X	X	X	X	X	X	X	X	X	X	X	X		

Sampled and Relinquished by	Received by	LIQUID	Sampling Comments
Sign: <i>[Signature]</i> Print: Rae Brownstucker Firm: HA1 Date: 6/26/12 Time: 1540	Sign: <i>[Signature]</i> Print: Muller Firm: <i>[Signature]</i> Date: 6-26-12 Time: 1540	<input type="checkbox"/> VOA Vial <input type="checkbox"/> Amber Glass <input type="checkbox"/> Plastic Bottle <input type="checkbox"/> Preservative <input type="checkbox"/> Volume	
Relinquished by	Received by	SOLID	Evidence samples were tampered with? YES NO
Sign: _____ Print: _____ Firm: _____ Date: _____ Time: _____	Sign: _____ Print: _____ Firm: _____ Date: _____ Time: _____	<input checked="" type="checkbox"/> X <input checked="" type="checkbox"/> X <input checked="" type="checkbox"/> X <input type="checkbox"/> VOA Vial <input type="checkbox"/> Amber Glass <input type="checkbox"/> Clear Glass <input type="checkbox"/> Preservative <input type="checkbox"/> Volume	If YES, please explain in section below.
Relinquished by	Received by	PRESERVATION KEY	
Sign: _____ Print: _____ Firm: _____ Date: _____ Time: _____	Sign: _____ Print: _____ Firm: _____ Date: _____ Time: _____	A Sample chilled C NaOH E H ₂ SO ₄ G Methanol B Sample filtered D HNO ₃ F HCL H Water/NaHSO ₄ (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) _____ analyze

Required Reporting Limits and Data Quality Objectives

<input type="checkbox"/> RC-S1	<input type="checkbox"/> S1	<input type="checkbox"/> GW1
<input type="checkbox"/> RC-S2	<input type="checkbox"/> S2	<input type="checkbox"/> GW2
<input type="checkbox"/> RC-GW1	<input type="checkbox"/> S3	<input type="checkbox"/> GW3
<input type="checkbox"/> RC-GW2		

4.72 / 6.0



Haley & Aldrich, Inc.
2033 North Main Street
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Walnut Creek, CA 94596

CHAIN OF CUSTODY RECORD

720 42947

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Fax (617) 886-7600
Page 2 of 3

H&A FILE NO. 39048-000 LABORATORY TestAmerica Pleasanton DELIVERY DATE 6/26/2012
PROJECT NAME Former Hansons Stockpile ADDRESS 1220 Quarry Lane, Pleasanton, CA TURNAROUND TIME Standard
H&A CONTACT Jessica Bernardini 925.949.1027 CONTACT 925.484.1919 PROJECT MANAGER Dimple Sharma

Sample No.	Date	Time	Depth (ft)	Type	Analysis Requested												Number of Containers	Comments (special instructions, precautions, additional method numbers, etc.)
					SVOCs by EPA 8270C	VOCS by EPA 8260B	TPH by EPA 8015	Heavy Metals by 7471A-CAM17	Pesticides by EPA 8091A, 8141A	pH	Asbestos by CANR 435	PCB by EPA 8082						
HA24-G34-7.5	6/26/12	1000	7.5	S	X		X	X										I ↓
HA25-G35-5.0	6/26/12	1020	5.0	S	X		X	X										
HA26-G37-2.0	6/26/12	1030	2.0	S	X		X	X				X						
HA27-G37-5.0	6/26/12	1040	5.0	S	X		X	X										
HA28-G37-7.5	6/26/12	1045	7.5	S	X		X	X										
HA29-G38-2.0	6/26/12	1055	2.0	S	X		X	X										
HA30-G38-5.0	6/26/12	1105	5.0	S	X		X	X										
HA31-G38-7.5	6/26/12	1110	7.5	S	X		X	X				X						
HA10-G26-2.0	6/26/12	1210	2.0	S	X		X	X										
HA11-G26-5.0	6/26/12	1220	5.0	S	X		X	X				X						

Sampled and Relinquished by: Rae Brownskepps Received by: Tom Muller LIQUID Sampling Comments
 Sign: [Signature] Sign: [Signature] VOA Vial
 Print: Rae Brownskepps Print: Muller Amber Glass
 Firm: HA1 Firm: TestAmerica Plastic Bottle
 Date: 6/26/12 Time: 1545 Date: 6-26-12 Time: 1540 Preservative
 Relinquished by: Received by: Volume

Sign: Sign: SOLID
 Print: Print: VOA Vial
 Firm: Firm: Amber Glass
 Date: Date Time: Date Time X X X X Clear Glass
 Relinquished by: Received by: Preservative
 Evidence samples were tampered with? YES NO
 If YES, please explain in section below.

PRESERVATION KEY
 A Sample chilled C NaOH E H₂SO₄ G Methanol
 B Sample filtered D HNO₃ F HCL H Water/NaHSO₄ (circle)
4.7°C / 6°C

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) _____ analyze

Required Reporting Limits and Data Quality Objectives
 RC-S1 S1 GW1
 RC-S2 S2 GW2
 RC-GW1 S3 GW3
 RC-GW2

720-42947

139127

HALEY & ALDRICH Haley & Aldrich, Inc. 2033 North Main Street Suite 309 Walnut Creek, CA 94596	CHAIN OF CUSTODY RECORD		Phone (617) 886-7400 Fax (617) 886-7600
	Page 3 of 3		

H&A FILE NO.	39048-000	LABORATORY	TestAmerica Pleasanton	DELIVERY DATE	6/26/2012
PROJECT NAME	Former Hansons Stockpile	ADDRESS	1220 Quarry Lane, Pleasanton, CA	TURNAROUND TIME	Standard
H&A CONTACT	Jessica Bernardini 925.949.1027	CONTACT	925.484.1919	PROJECT MANAGER	Dimple Sharma

Sample No.	Date	Time	Depth (ft)	Type	Analysis Requested												Number of Containers	Comments (special instructions, precautions, additional method numbers, etc.)
					SVOCs by EPA 827/C	VOCs by EPA 826/B	TPH by EPA 801/5	Heavy Metals by 7471A-CAM17	Pesticides by EPA 8081A, 8141A	pH	Asbestos by CANR 435	PCB by EPA 8082						
HA09-G20-4.0	6/26/12	1240	4.0	S	X		X	X									1 ↓	
HA08-G18-5.0	6/26/12	1255	5.0	S	X		X	X										
HA07-G17-5.0	6/26/12	1310	5.0	S	X		X	X										
HA05-G16-2.0	6/26/12	1315	2.0	S	X		X	X										
HA06-G16-7.5	6/26/12	1330	7.5	S	X		X	X						X				
HA01-G4-2.0	6/26/12	1340	2.0	S	X		X	X										
HA02-G5-2.0	6/26/12	1410	2.0	S	X		X	X										
HA03-G7-2.0	6/26/12	1420	2.0	S	X		X	X										
HA04-G8-2.0	6/26/12	1430	2.0	S	X		X	X										

Sampled and Relinquished by Sign: <i>[Signature]</i> Print: Rae Brownsberger Firm: HAI Date: 6/26/12 Time: 1540	Received by Sign: <i>[Signature]</i> Print: Muller Firm: HAI Date: 6-26-12 Time: 1540	LIQUID	VOA Vial Amber Glass Plastic Bottle Preservative Volume	Sampling Comments
Relinquished by Sign: Print: Firm: Date: Time:	Received by Sign: Print: Firm: Date: Time:	SOLID	VOA Vial Amber Glass Clear Glass Preservative Volume	Evidence samples were tampered with? YES NO If YES, please explain in section below.
Relinquished by Sign: Print: Firm: Date: Time:	Received by Sign: Print: Firm: Date: Time:	PRESERVATION KEY	A Sample chilled C NaOH E H ₂ SO ₄ G Methanol B Sample filtered D HNO ₃ F HCL H Water/NaHSO ₄ (circle)	4-7°C/6°C

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

<input type="checkbox"/> RC-S1	<input type="checkbox"/> S1	<input type="checkbox"/> GW1
<input type="checkbox"/> RC-S2	<input type="checkbox"/> S2	<input type="checkbox"/> GW2
<input type="checkbox"/> RC-GW1	<input type="checkbox"/> S3	<input type="checkbox"/> GW3
<input type="checkbox"/> RC-GW2		

Sharma, Dimple

From: Bernardini, Jessica [JBernardini@haleyaldrich.com]

Sent: Thursday, July 05, 2012 4:44 PM

To: Sharma, Dimple

Subject: RE: Files from 720-42947-1 Hansen

Hi Dimple – there is an error on the sample ID for this set of data. Sample HA37-G37-5.0 should be HA27-37-5.0

Please correct and forward back to me.

From: Sharma, Dimple [mailto:dimple.sharma@testamericainc.com]

Sent: Thursday, July 05, 2012 4:26 PM

To: Bernardini, Jessica

Subject: Files from 720-42947-1 Hansen

DIMPLE SHARMA

TestAmerica Pleasanton

THE LEADER IN ENVIRONMENTAL TESTING

Tel: 925.484.1919

www.testamericainc.com

Reference: [107443]

Attachments: 2

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 720-42947-1

Login Number: 42947

List Number: 1

Creator: Apostol, Anita

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



TestAmerica

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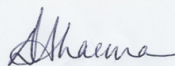
ANALYTICAL REPORT

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

TestAmerica Job ID: 720-43121-1
Client Project/Site: Hansen

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

Attn: Jessica Bernardini



Authorized for release by:
7/12/2012 2:28:44 PM

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

LINKS

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results through
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www.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.

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Definitions/Glossary

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

TestAmerica Job ID: 720-43121-1

Qualifiers

Metals

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

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
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

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

TestAmerica Job ID: 720-43121-1

Job ID: 720-43121-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-43121-1

Comments

No additional comments.

Receipt

The samples were received on 7/5/2012 10:37 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 23.2° C.

GC/MS VOA

Method 8260B: Internal standard responses were outside of acceptance limits for the following sample 43121-3. The sample shows ND and confirmed by reanalysis.

No other 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.

Organic Prep

No analytical or quality issues were noted.

Detection Summary

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

TestAmerica Job ID: 720-43121-1

Client Sample ID: HAS1-22-2

Lab Sample ID: 720-43121-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.5		1.0		mg/Kg	1		8015B	Total/NA
Arsenic	5.4		3.8		mg/Kg	4		6010B	Total/NA
Barium	160		1.9		mg/Kg	4		6010B	Total/NA
Chromium	69		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	12		0.76		mg/Kg	4		6010B	Total/NA
Copper	28		5.7		mg/Kg	4		6010B	Total/NA
Lead	7.3		1.9		mg/Kg	4		6010B	Total/NA
Nickel	90		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	31		1.9		mg/Kg	4		6010B	Total/NA
Zinc	49		5.7		mg/Kg	4		6010B	Total/NA
Mercury	0.093		0.010		mg/Kg	1		7471A	Total/NA

Client Sample ID: HAS2-10-1'

Lab Sample ID: 720-43121-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	3.3		0.99		mg/Kg	1		8015B	Total/NA
Arsenic	7.2		3.7		mg/Kg	4		6010B	Total/NA
Barium	270		1.9		mg/Kg	4		6010B	Total/NA
Chromium	91		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	19		0.74		mg/Kg	4		6010B	Total/NA
Copper	43		5.6		mg/Kg	4		6010B	Total/NA
Lead	11		1.9		mg/Kg	4		6010B	Total/NA
Nickel	140		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	42		1.9		mg/Kg	4		6010B	Total/NA
Zinc	66		5.6		mg/Kg	4		6010B	Total/NA
Mercury	0.13		0.0092		mg/Kg	1		7471A	Total/NA

Client Sample ID: HAS3-24-0.5

Lab Sample ID: 720-43121-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	6.4		0.99		mg/Kg	1		8015B	Total/NA
Arsenic	7.5		3.8		mg/Kg	4		6010B	Total/NA
Barium	240		1.9		mg/Kg	4		6010B	Total/NA
Chromium	94		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	17		0.76		mg/Kg	4		6010B	Total/NA
Copper	47		5.7		mg/Kg	4		6010B	Total/NA
Lead	12		1.9		mg/Kg	4		6010B	Total/NA
Nickel	120		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	48		1.9		mg/Kg	4		6010B	Total/NA
Zinc	74		5.7		mg/Kg	4		6010B	Total/NA
Mercury	0.093		0.0090		mg/Kg	1		7471A	Total/NA

Client Sample Results

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

TestAmerica Job ID: 720-43121-1

Client Sample ID: HAS1-22-2

Lab Sample ID: 720-43121-1

Date Collected: 07/05/12 09:30

Matrix: Solid

Date Received: 07/05/12 10:37

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		07/05/12 19:00	07/06/12 01:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	78		45 - 131				07/05/12 19:00	07/06/12 01:14	1
1,2-Dichloroethane-d4 (Surr)	114		60 - 140				07/05/12 19:00	07/06/12 01:14	1
Toluene-d8 (Surr)	87		58 - 140				07/05/12 19:00	07/06/12 01:14	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
2-Chlorophenol	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Benzyl alcohol	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
2-Methylphenol	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Hexachloroethane	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Nitrobenzene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Isophorone	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
2-Nitrophenol	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Naphthalene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
4-Chloroaniline	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Hexachlorobutadiene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
2-Methylnaphthalene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
2-Chloronaphthalene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
2-Nitroaniline	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Dimethyl phthalate	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Acenaphthylene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
3-Nitroaniline	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Acenaphthene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
4-Nitrophenol	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Dibenzofuran	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Diethyl phthalate	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Fluorene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
4-Nitroaniline	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:00	1

Client Sample Results

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

TestAmerica Job ID: 720-43121-1

Client Sample ID: HAS1-22-2

Lab Sample ID: 720-43121-1

Date Collected: 07/05/12 09:30

Matrix: Solid

Date Received: 07/05/12 10:37

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Hexachlorobenzene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Pentachlorophenol	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Phenanthrene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Anthracene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Fluoranthene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Pyrene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Benzo[a]anthracene	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Chrysene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Benzo[a]pyrene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Benzoic acid	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Azobenzene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	45		21 - 98	07/05/12 21:55	07/06/12 19:00	1
2-Fluorobiphenyl	52		30 - 112	07/05/12 21:55	07/06/12 19:00	1
Terphenyl-d14	50		32 - 117	07/05/12 21:55	07/06/12 19:00	1
2-Fluorophenol	43		28 - 98	07/05/12 21:55	07/06/12 19:00	1
Phenol-d5	43		23 - 101	07/05/12 21:55	07/06/12 19:00	1
2,4,6-Tribromophenol	45		37 - 114	07/05/12 21:55	07/06/12 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2.5		1.0		mg/Kg		07/06/12 14:33	07/07/12 13:12	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		07/06/12 14:33	07/07/12 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	88		40 - 130	07/06/12 14:33	07/07/12 13:12	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:05	4
Arsenic	5.4		3.8		mg/Kg		07/07/12 15:30	07/09/12 16:05	4
Barium	160		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:05	4
Beryllium	ND		0.38		mg/Kg		07/07/12 15:30	07/09/12 16:05	4
Cadmium	ND		0.48		mg/Kg		07/07/12 15:30	07/09/12 16:05	4
Chromium	69		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:05	4
Cobalt	12		0.76		mg/Kg		07/07/12 15:30	07/09/12 16:05	4
Copper	28		5.7		mg/Kg		07/07/12 15:30	07/09/12 16:05	4
Lead	7.3		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:05	4

Client Sample Results

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

TestAmerica Job ID: 720-43121-1

Client Sample ID: HAS1-22-2

Lab Sample ID: 720-43121-1

Date Collected: 07/05/12 09:30

Matrix: Solid

Date Received: 07/05/12 10:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:05	4
Nickel	90		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:05	4
Selenium	ND		3.8		mg/Kg		07/07/12 15:30	07/09/12 16:05	4
Silver	ND		0.95		mg/Kg		07/07/12 15:30	07/09/12 16:05	4
Thallium	ND		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:05	4
Vanadium	31		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:05	4
Zinc	49		5.7		mg/Kg		07/07/12 15:30	07/09/12 16:05	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.093		0.010		mg/Kg		07/07/12 12:27	07/09/12 16:31	1



Client Sample Results

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

TestAmerica Job ID: 720-43121-1

Client Sample ID: HAS2-10-1'

Lab Sample ID: 720-43121-2

Date Collected: 07/05/12 09:50

Matrix: Solid

Date Received: 07/05/12 10:37

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		07/05/12 19:00	07/06/12 01:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	74		45 - 131				07/05/12 19:00	07/06/12 01:43	1
1,2-Dichloroethane-d4 (Surr)	104		60 - 140				07/05/12 19:00	07/06/12 01:43	1
Toluene-d8 (Surr)	89		58 - 140				07/05/12 19:00	07/06/12 01:43	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
2-Chlorophenol	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Benzyl alcohol	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
2-Methylphenol	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Methylphenol, 3 & 4	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Hexachloroethane	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Nitrobenzene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Isophorone	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
2-Nitrophenol	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Naphthalene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
4-Chloroaniline	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Hexachlorobutadiene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
2-Methylnaphthalene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
2-Chloronaphthalene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
2-Nitroaniline	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Dimethyl phthalate	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Acenaphthylene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
3-Nitroaniline	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Acenaphthene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
4-Nitrophenol	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Dibenzofuran	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Diethyl phthalate	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Fluorene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
4-Nitroaniline	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:24	1

Client Sample Results

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

TestAmerica Job ID: 720-43121-1

Client Sample ID: HAS2-10-1'

Lab Sample ID: 720-43121-2

Date Collected: 07/05/12 09:50

Matrix: Solid

Date Received: 07/05/12 10:37

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Hexachlorobenzene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Pentachlorophenol	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Phenanthrene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Anthracene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Fluoranthene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Pyrene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Benzo[a]anthracene	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Chrysene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Benzo[a]pyrene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Benzoic acid	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Azobenzene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		07/05/12 21:55	07/06/12 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	48		21 - 98	07/05/12 21:55	07/06/12 19:24	1
2-Fluorobiphenyl	56		30 - 112	07/05/12 21:55	07/06/12 19:24	1
Terphenyl-d14	56		32 - 117	07/05/12 21:55	07/06/12 19:24	1
2-Fluorophenol	43		28 - 98	07/05/12 21:55	07/06/12 19:24	1
Phenol-d5	43		23 - 101	07/05/12 21:55	07/06/12 19:24	1
2,4,6-Tribromophenol	48		37 - 114	07/05/12 21:55	07/06/12 19:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.3		0.99		mg/Kg		07/06/12 14:33	07/07/12 13:36	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		07/06/12 14:33	07/07/12 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	87		40 - 130	07/06/12 14:33	07/07/12 13:36	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:09	4
Arsenic	7.2		3.7		mg/Kg		07/07/12 15:30	07/09/12 16:09	4
Barium	270		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:09	4
Beryllium	ND		0.37		mg/Kg		07/07/12 15:30	07/09/12 16:09	4
Cadmium	ND		0.46		mg/Kg		07/07/12 15:30	07/09/12 16:09	4
Chromium	91		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:09	4
Cobalt	19		0.74		mg/Kg		07/07/12 15:30	07/09/12 16:09	4
Copper	43		5.6		mg/Kg		07/07/12 15:30	07/09/12 16:09	4
Lead	11		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:09	4

Client Sample Results

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

TestAmerica Job ID: 720-43121-1

Client Sample ID: HAS2-10-1'

Lab Sample ID: 720-43121-2

Date Collected: 07/05/12 09:50

Matrix: Solid

Date Received: 07/05/12 10:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:09	4
Nickel	140		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:09	4
Selenium	ND		3.7		mg/Kg		07/07/12 15:30	07/09/12 16:09	4
Silver	ND		0.93		mg/Kg		07/07/12 15:30	07/09/12 16:09	4
Thallium	ND		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:09	4
Vanadium	42		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:09	4
Zinc	66		5.6		mg/Kg		07/07/12 15:30	07/09/12 16:09	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.0092		mg/Kg		07/07/12 12:27	07/09/12 15:18	1

Client Sample Results

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

TestAmerica Job ID: 720-43121-1

Client Sample ID: HAS3-24-0.5

Lab Sample ID: 720-43121-3

Date Collected: 07/05/12 10:10

Matrix: Solid

Date Received: 07/05/12 10:37

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		07/05/12 19:00	07/06/12 02:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	71		45 - 131				07/05/12 19:00	07/06/12 02:12	1
1,2-Dichloroethane-d4 (Surr)	126		60 - 140				07/05/12 19:00	07/06/12 02:12	1
Toluene-d8 (Surr)	85		58 - 140				07/05/12 19:00	07/06/12 02:12	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Bis(2-chloroethyl)ether	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
2-Chlorophenol	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
1,3-Dichlorobenzene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
1,4-Dichlorobenzene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Benzyl alcohol	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
1,2-Dichlorobenzene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
2-Methylphenol	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Methylphenol, 3 & 4	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
N-Nitrosodi-n-propylamine	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Hexachloroethane	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Nitrobenzene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Isophorone	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
2-Nitrophenol	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
2,4-Dimethylphenol	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
1,2,4-Trichlorobenzene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Naphthalene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
4-Chloroaniline	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Hexachlorobutadiene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
2-Methylnaphthalene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
2,4,5-Trichlorophenol	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
2-Chloronaphthalene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
2-Nitroaniline	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Dimethyl phthalate	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Acenaphthylene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
3-Nitroaniline	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Acenaphthene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
2,4-Dinitrophenol	ND		0.65		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
4-Nitrophenol	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Dibenzofuran	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
2,4-Dinitrotoluene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
2,6-Dinitrotoluene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Diethyl phthalate	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Fluorene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
4-Nitroaniline	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:48	1

Client Sample Results

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

TestAmerica Job ID: 720-43121-1

Client Sample ID: HAS3-24-0.5

Lab Sample ID: 720-43121-3

Date Collected: 07/05/12 10:10

Matrix: Solid

Date Received: 07/05/12 10:37

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
N-Nitrosodiphenylamine	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Hexachlorobenzene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Pentachlorophenol	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Phenanthrene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Anthracene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Fluoranthene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Pyrene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Benzo[a]anthracene	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Chrysene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Di-n-octyl phthalate	ND		0.17		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Benzo[b]fluoranthene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Benzo[a]pyrene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Benzo[k]fluoranthene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Indeno[1,2,3-cd]pyrene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Benzo[g,h,i]perylene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Benzoic acid	ND		0.33		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Azobenzene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1
Dibenz(a,h)anthracene	ND		0.066		mg/Kg		07/05/12 21:55	07/06/12 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	51		21 - 98	07/05/12 21:55	07/06/12 19:48	1
2-Fluorobiphenyl	59		30 - 112	07/05/12 21:55	07/06/12 19:48	1
Terphenyl-d14	62		32 - 117	07/05/12 21:55	07/06/12 19:48	1
2-Fluorophenol	47		28 - 98	07/05/12 21:55	07/06/12 19:48	1
Phenol-d5	49		23 - 101	07/05/12 21:55	07/06/12 19:48	1
2,4,6-Tribromophenol	59		37 - 114	07/05/12 21:55	07/06/12 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6.4		0.99		mg/Kg		07/06/12 14:33	07/07/12 14:01	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		07/06/12 14:33	07/07/12 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	100		40 - 130	07/06/12 14:33	07/07/12 14:01	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		07/05/12 21:51	07/09/12 19:57	1
PCB-1221	ND		50		ug/Kg		07/05/12 21:51	07/09/12 19:57	1
PCB-1232	ND		50		ug/Kg		07/05/12 21:51	07/09/12 19:57	1
PCB-1242	ND		50		ug/Kg		07/05/12 21:51	07/09/12 19:57	1
PCB-1248	ND		50		ug/Kg		07/05/12 21:51	07/09/12 19:57	1
PCB-1254	ND		50		ug/Kg		07/05/12 21:51	07/09/12 19:57	1
PCB-1260	ND		50		ug/Kg		07/05/12 21:51	07/09/12 19:57	1

Client Sample Results

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

TestAmerica Job ID: 720-43121-1

Client Sample ID: HAS3-24-0.5

Lab Sample ID: 720-43121-3

Date Collected: 07/05/12 10:10

Matrix: Solid

Date Received: 07/05/12 10:37

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		32 - 112	07/05/12 21:51	07/09/12 19:57	1
DCB Decachlorobiphenyl	75		2 - 122	07/05/12 21:51	07/09/12 19:57	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:13	4
Arsenic	7.5		3.8		mg/Kg		07/07/12 15:30	07/09/12 16:13	4
Barium	240		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:13	4
Beryllium	ND		0.38		mg/Kg		07/07/12 15:30	07/09/12 16:13	4
Cadmium	ND		0.48		mg/Kg		07/07/12 15:30	07/09/12 16:13	4
Chromium	94		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:13	4
Cobalt	17		0.76		mg/Kg		07/07/12 15:30	07/09/12 16:13	4
Copper	47		5.7		mg/Kg		07/07/12 15:30	07/09/12 16:13	4
Lead	12		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:13	4
Molybdenum	ND		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:13	4
Nickel	120		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:13	4
Selenium	ND		3.8		mg/Kg		07/07/12 15:30	07/09/12 16:13	4
Silver	ND		0.95		mg/Kg		07/07/12 15:30	07/09/12 16:13	4
Thallium	ND		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:13	4
Vanadium	48		1.9		mg/Kg		07/07/12 15:30	07/09/12 16:13	4
Zinc	74		5.7		mg/Kg		07/07/12 15:30	07/09/12 16:13	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.093		0.0090		mg/Kg		07/07/12 12:30	07/09/12 15:20	1

QC Sample Results

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

TestAmerica Job ID: 720-43121-1

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

Lab Sample ID: MB 720-116670/1-A

Matrix: Solid

Analysis Batch: 116653

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116670

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		07/05/12 18:00	07/05/12 18:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		45 - 131	07/05/12 18:00	07/05/12 18:57	1
1,2-Dichloroethane-d4 (Surr)	103		60 - 140	07/05/12 18:00	07/05/12 18:57	1
Toluene-d8 (Surr)	92		58 - 140	07/05/12 18:00	07/05/12 18:57	1

Lab Sample ID: LCS 720-116670/4-A

Matrix: Solid

Analysis Batch: 116653

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116670

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	986		ug/Kg		99	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	96		45 - 131
1,2-Dichloroethane-d4 (Surr)	98		60 - 140
Toluene-d8 (Surr)	102		58 - 140

Lab Sample ID: LCSD 720-116670/5-A

Matrix: Solid

Analysis Batch: 116653

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116670

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	986		ug/Kg		99	61 - 128	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	98		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	101		58 - 140

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Lab Sample ID: MB 720-116636/1-A

Matrix: Solid

Analysis Batch: 116693

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116636

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Bis(2-chloroethyl)ether	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
2-Chlorophenol	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
1,3-Dichlorobenzene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
1,4-Dichlorobenzene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Benzyl alcohol	ND		0.17		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
1,2-Dichlorobenzene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
2-Methylphenol	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1

QC Sample Results

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

TestAmerica Job ID: 720-43121-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: MB 720-116636/1-A

Matrix: Solid

Analysis Batch: 116693

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116636

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
N-Nitrosodi-n-propylamine	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Hexachloroethane	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Nitrobenzene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Isophorone	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
2-Nitrophenol	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
2,4-Dimethylphenol	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Bis(2-chloroethoxy)methane	ND		0.17		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
1,2,4-Trichlorobenzene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Naphthalene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
4-Chloroaniline	ND		0.17		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Hexachlorobutadiene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
4-Chloro-3-methylphenol	ND		0.17		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
2-Methylnaphthalene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Hexachlorocyclopentadiene	ND		0.17		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
2,4,6-Trichlorophenol	ND		0.17		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
2,4,5-Trichlorophenol	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
2-Chloronaphthalene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
2-Nitroaniline	ND		0.33		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Dimethyl phthalate	ND		0.17		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Acenaphthylene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
3-Nitroaniline	ND		0.17		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Acenaphthene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
4-Nitrophenol	ND		0.33		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Dibenzofuran	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
2,4-Dinitrotoluene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
2,6-Dinitrotoluene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Diethyl phthalate	ND		0.17		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
4-Chlorophenyl phenyl ether	ND		0.17		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Fluorene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
4-Nitroaniline	ND		0.33		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
2-Methyl-4,6-dinitrophenol	ND		0.33		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
N-Nitrosodiphenylamine	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
4-Bromophenyl phenyl ether	ND		0.17		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Hexachlorobenzene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Pentachlorophenol	ND		0.33		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Phenanthrene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Anthracene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Di-n-butyl phthalate	ND		0.17		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Fluoranthene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Pyrene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Butyl benzyl phthalate	ND		0.17		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
3,3'-Dichlorobenzidine	ND		0.17		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Benzo[a]anthracene	ND		0.33		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Chrysene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1

QC Sample Results

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

TestAmerica Job ID: 720-43121-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: MB 720-116636/1-A

Matrix: Solid

Analysis Batch: 116693

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116636

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		0.17		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Benzo[b]fluoranthene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Benzo[a]pyrene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Benzo[k]fluoranthene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Indeno[1,2,3-cd]pyrene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Benzo[g,h,i]perylene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Benzoic acid	ND		0.33		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Azobenzene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1
Dibenz(a,h)anthracene	ND		0.067		mg/Kg		07/05/12 13:49	07/06/12 13:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	73		21 - 98	07/05/12 13:49	07/06/12 13:04	1
2-Fluorobiphenyl	79		30 - 112	07/05/12 13:49	07/06/12 13:04	1
Terphenyl-d14	79		32 - 117	07/05/12 13:49	07/06/12 13:04	1
2-Fluorophenol	68		28 - 98	07/05/12 13:49	07/06/12 13:04	1
Phenol-d5	68		23 - 101	07/05/12 13:49	07/06/12 13:04	1
2,4,6-Tribromophenol	76		37 - 114	07/05/12 13:49	07/06/12 13:04	1

Lab Sample ID: LCS 720-116636/2-A

Matrix: Solid

Analysis Batch: 116693

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116636

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	1.66	1.26		mg/Kg		76	48 - 115
Bis(2-chloroethyl)ether	1.66	1.01		mg/Kg		61	45 - 115
2-Chlorophenol	1.66	1.18		mg/Kg		71	48 - 115
1,3-Dichlorobenzene	1.66	1.17		mg/Kg		70	41 - 115
1,4-Dichlorobenzene	1.66	1.10		mg/Kg		66	40 - 115
Benzyl alcohol	1.66	1.25		mg/Kg		75	54 - 115
1,2-Dichlorobenzene	1.66	1.18		mg/Kg		71	44 - 115
2-Methylphenol	1.66	1.22		mg/Kg		73	54 - 115
Methylphenol, 3 & 4	3.33	2.17		mg/Kg		65	42 - 115
N-Nitrosodi-n-propylamine	1.66	1.22		mg/Kg		73	46 - 115
Hexachloroethane	1.66	1.12		mg/Kg		68	44 - 115
Nitrobenzene	1.66	1.25		mg/Kg		75	48 - 115
Isophorone	1.66	1.26		mg/Kg		76	54 - 115
2-Nitrophenol	1.66	1.23		mg/Kg		74	48 - 115
2,4-Dimethylphenol	1.66	1.08		mg/Kg		65	52 - 115
Bis(2-chloroethoxy)methane	1.66	1.19		mg/Kg		71	46 - 115
2,4-Dichlorophenol	1.66	1.29		mg/Kg		78	49 - 100
1,2,4-Trichlorobenzene	1.66	1.28		mg/Kg		77	47 - 115
Naphthalene	1.66	1.33		mg/Kg		80	44 - 115
4-Chloroaniline	1.66	1.13		mg/Kg		68	30 - 115
Hexachlorobutadiene	1.66	1.42		mg/Kg		85	44 - 115
4-Chloro-3-methylphenol	1.66	1.39		mg/Kg		84	58 - 115
2-Methylnaphthalene	1.66	1.32		mg/Kg		80	49 - 115
Hexachlorocyclopentadiene	1.66	1.39		mg/Kg		83	42 - 132
2,4,6-Trichlorophenol	1.66	1.35		mg/Kg		81	45 - 115

QC Sample Results

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

TestAmerica Job ID: 720-43121-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: LCS 720-116636/2-A

Matrix: Solid

Analysis Batch: 116693

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116636

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	1.66	1.30		mg/Kg		78	48 - 115
2-Chloronaphthalene	1.66	1.37		mg/Kg		82	52 - 115
2-Nitroaniline	1.66	1.32		mg/Kg		79	54 - 115
Dimethyl phthalate	1.66	1.39		mg/Kg		83	64 - 119
Acenaphthylene	1.66	1.53		mg/Kg		92	61 - 129
3-Nitroaniline	1.66	1.20		mg/Kg		72	50 - 115
Acenaphthene	1.66	1.39		mg/Kg		83	50 - 115
2,4-Dinitrophenol	1.66	1.15		mg/Kg		69	21 - 115
4-Nitrophenol	1.66	1.56		mg/Kg		94	54 - 125
Dibenzofuran	1.66	1.37		mg/Kg		83	55 - 115
2,4-Dinitrotoluene	1.66	1.46		mg/Kg		88	57 - 115
2,6-Dinitrotoluene	1.66	1.48		mg/Kg		89	54 - 119
Diethyl phthalate	1.66	1.47		mg/Kg		88	49 - 117
4-Chlorophenyl phenyl ether	1.66	1.64		mg/Kg		98	57 - 115
Fluorene	1.66	1.42		mg/Kg		85	54 - 115
4-Nitroaniline	1.66	1.50		mg/Kg		90	59 - 115
2-Methyl-4,6-dinitrophenol	1.66	1.30		mg/Kg		78	48 - 115
N-Nitrosodiphenylamine	1.66	1.35		mg/Kg		81	56 - 115
4-Bromophenyl phenyl ether	1.66	1.34		mg/Kg		81	53 - 115
Hexachlorobenzene	1.66	1.38		mg/Kg		83	55 - 115
Pentachlorophenol	1.66	1.26		mg/Kg		76	35 - 115
Phenanthrene	1.66	1.42		mg/Kg		85	54 - 115
Anthracene	1.66	1.36		mg/Kg		82	55 - 115
Di-n-butyl phthalate	1.66	1.42		mg/Kg		86	55 - 115
Fluoranthene	1.66	1.40		mg/Kg		84	54 - 115
Pyrene	1.66	1.53		mg/Kg		92	48 - 115
Butyl benzyl phthalate	1.66	1.56		mg/Kg		94	53 - 115
3,3'-Dichlorobenzidine	1.66	1.37		mg/Kg		82	42 - 115
Benzo[a]anthracene	1.66	1.43		mg/Kg		86	55 - 115
Bis(2-ethylhexyl) phthalate	1.66	1.76		mg/Kg		106	53 - 115
Chrysene	1.66	1.61		mg/Kg		97	58 - 115
Di-n-octyl phthalate	1.66	1.50		mg/Kg		90	53 - 115
Benzo[b]fluoranthene	1.66	1.34		mg/Kg		81	56 - 115
Benzo[a]pyrene	1.66	1.39		mg/Kg		84	55 - 115
Benzo[k]fluoranthene	1.66	1.64		mg/Kg		99	57 - 115
Indeno[1,2,3-cd]pyrene	1.66	1.45		mg/Kg		87	56 - 115
Benzo[g,h,i]perylene	1.66	1.40		mg/Kg		84	56 - 115
Benzoic acid	1.66	1.05		mg/Kg		63	10 - 115
Azobenzene	1.66	1.30		mg/Kg		78	52 - 115
Dibenz(a,h)anthracene	1.66	1.49		mg/Kg		89	58 - 115

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	78		21 - 98
2-Fluorobiphenyl	80		30 - 112
Terphenyl-d14	84		32 - 117
2-Fluorophenol	70		28 - 98
Phenol-d5	75		23 - 101
2,4,6-Tribromophenol	81		37 - 114

QC Sample Results

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

TestAmerica Job ID: 720-43121-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: LCSD 720-116636/3-A

Matrix: Solid

Analysis Batch: 116693

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116636

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD
									Limit
Phenol	1.64	1.24		mg/Kg		76	48 - 115	1	35
Bis(2-chloroethyl)ether	1.64	1.08		mg/Kg		66	45 - 115	6	35
2-Chlorophenol	1.64	1.18		mg/Kg		72	48 - 115	0	35
1,3-Dichlorobenzene	1.64	1.14		mg/Kg		69	41 - 115	3	35
1,4-Dichlorobenzene	1.64	1.13		mg/Kg		69	40 - 115	2	35
Benzyl alcohol	1.64	1.25		mg/Kg		76	54 - 115	0	35
1,2-Dichlorobenzene	1.64	1.17		mg/Kg		71	44 - 115	1	35
2-Methylphenol	1.64	1.22		mg/Kg		75	54 - 115	1	35
Methylphenol, 3 & 4	3.28	2.18		mg/Kg		66	42 - 115	1	35
N-Nitrosodi-n-propylamine	1.64	1.24		mg/Kg		76	46 - 115	2	35
Hexachloroethane	1.64	1.12		mg/Kg		68	44 - 115	0	35
Nitrobenzene	1.64	1.25		mg/Kg		76	48 - 115	0	35
Isophorone	1.64	1.22		mg/Kg		74	54 - 115	3	35
2-Nitrophenol	1.64	1.21		mg/Kg		74	48 - 115	2	35
2,4-Dimethylphenol	1.64	1.01		mg/Kg		62	52 - 115	6	35
Bis(2-chloroethoxy)methane	1.64	1.17		mg/Kg		71	46 - 115	2	35
2,4-Dichlorophenol	1.64	1.29		mg/Kg		78	49 - 100	1	35
1,2,4-Trichlorobenzene	1.64	1.25		mg/Kg		76	47 - 115	2	35
Naphthalene	1.64	1.30		mg/Kg		79	44 - 115	2	35
4-Chloroaniline	1.64	1.09		mg/Kg		67	30 - 115	3	35
Hexachlorobutadiene	1.64	1.37		mg/Kg		84	44 - 115	3	35
4-Chloro-3-methylphenol	1.64	1.38		mg/Kg		84	58 - 115	1	35
2-Methylnaphthalene	1.64	1.28		mg/Kg		78	49 - 115	3	35
Hexachlorocyclopentadiene	1.64	1.34		mg/Kg		82	42 - 132	3	35
2,4,6-Trichlorophenol	1.64	1.32		mg/Kg		81	45 - 115	2	35
2,4,5-Trichlorophenol	1.64	1.26		mg/Kg		77	48 - 115	3	35
2-Chloronaphthalene	1.64	1.34		mg/Kg		82	52 - 115	2	35
2-Nitroaniline	1.64	1.33		mg/Kg		81	54 - 115	1	35
Dimethyl phthalate	1.64	1.36		mg/Kg		83	64 - 119	2	35
Acenaphthylene	1.64	1.48		mg/Kg		90	61 - 129	3	35
3-Nitroaniline	1.64	1.20		mg/Kg		73	50 - 115	1	35
Acenaphthene	1.64	1.38		mg/Kg		84	50 - 115	1	35
2,4-Dinitrophenol	1.64	1.16		mg/Kg		71	21 - 115	1	35
4-Nitrophenol	1.64	1.50		mg/Kg		91	54 - 125	4	35
Dibenzofuran	1.64	1.36		mg/Kg		83	55 - 115	1	35
2,4-Dinitrotoluene	1.64	1.44		mg/Kg		88	57 - 115	1	35
2,6-Dinitrotoluene	1.64	1.44		mg/Kg		88	54 - 119	3	35
Diethyl phthalate	1.64	1.48		mg/Kg		90	49 - 117	0	35
4-Chlorophenyl phenyl ether	1.64	1.62		mg/Kg		98	57 - 115	1	35
Fluorene	1.64	1.42		mg/Kg		86	54 - 115	0	35
4-Nitroaniline	1.64	1.45		mg/Kg		89	59 - 115	3	35
2-Methyl-4,6-dinitrophenol	1.64	1.25		mg/Kg		76	48 - 115	4	35
N-Nitrosodiphenylamine	1.64	1.29		mg/Kg		79	56 - 115	5	35
4-Bromophenyl phenyl ether	1.64	1.30		mg/Kg		79	53 - 115	3	35
Hexachlorobenzene	1.64	1.34		mg/Kg		82	55 - 115	3	35
Pentachlorophenol	1.64	1.21		mg/Kg		74	35 - 115	4	35
Phenanthrene	1.64	1.35		mg/Kg		82	54 - 115	5	35
Anthracene	1.64	1.34		mg/Kg		82	55 - 115	2	35

QC Sample Results

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

TestAmerica Job ID: 720-43121-1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

(Continued)

Lab Sample ID: LCSD 720-116636/3-A

Matrix: Solid

Analysis Batch: 116693

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116636

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-butyl phthalate	1.64	1.37		mg/Kg		84	55 - 115	4	35
Fluoranthene	1.64	1.38		mg/Kg		84	54 - 115	2	35
Pyrene	1.64	1.49		mg/Kg		91	48 - 115	3	35
Butyl benzyl phthalate	1.64	1.49		mg/Kg		91	53 - 115	5	35
3,3'-Dichlorobenzidine	1.64	1.31		mg/Kg		80	42 - 115	5	35
Benzo[a]anthracene	1.64	1.39		mg/Kg		85	55 - 115	3	35
Bis(2-ethylhexyl) phthalate	1.64	1.64		mg/Kg		100	53 - 115	7	35
Chrysene	1.64	1.53		mg/Kg		93	58 - 115	5	35
Di-n-octyl phthalate	1.64	1.44		mg/Kg		88	53 - 115	4	35
Benzo[b]fluoranthene	1.64	1.27		mg/Kg		77	56 - 115	6	35
Benzo[a]pyrene	1.64	1.35		mg/Kg		82	55 - 115	4	35
Benzo[k]fluoranthene	1.64	1.59		mg/Kg		97	57 - 115	3	35
Indeno[1,2,3-cd]pyrene	1.64	1.40		mg/Kg		85	56 - 115	4	35
Benzo[g,h,i]perylene	1.64	1.36		mg/Kg		83	56 - 115	3	35
Benzoic acid	1.64	1.06		mg/Kg		64	10 - 115	1	35
Azobenzene	1.64	1.28		mg/Kg		78	52 - 115	2	35
Dibenz(a,h)anthracene	1.64	1.42		mg/Kg		86	58 - 115	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Nitrobenzene-d5	77		21 - 98
2-Fluorobiphenyl	80		30 - 112
Terphenyl-d14	84		32 - 117
2-Fluorophenol	70		28 - 98
Phenol-d5	77		23 - 101
2,4,6-Tribromophenol	84		37 - 114

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

Lab Sample ID: MB 720-116713/1-A

Matrix: Solid

Analysis Batch: 116746

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116713

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		07/06/12 14:33	07/07/12 11:22	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		07/06/12 14:33	07/07/12 11:22	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	93		40 - 130	07/06/12 14:33	07/07/12 11:22	1

Lab Sample ID: LCS 720-116713/2-A

Matrix: Solid

Analysis Batch: 116746

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116713

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	83.3	67.1		mg/Kg		81	50 - 150

QC Sample Results

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

TestAmerica Job ID: 720-43121-1

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

Lab Sample ID: LCS 720-116713/2-A
Matrix: Solid
Analysis Batch: 116746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116713

Surrogate	LCS		Limits
	%Recovery	Qualifier	
p-Terphenyl	74		40 - 130

Lab Sample ID: LCSD 720-116713/3-A
Matrix: Solid
Analysis Batch: 116746

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116713

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec.		RPD	Limit
		Result	Qualifier				Limits	RPD		
Diesel Range Organics [C10-C28]	83.3	66.8		mg/Kg		80	50 - 150	0	35	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
p-Terphenyl	75		40 - 130

Lab Sample ID: 720-43121-1 MS
Matrix: Solid
Analysis Batch: 116746

Client Sample ID: HAS1-22-2
Prep Type: Total/NA
Prep Batch: 116713

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec.	
				Result	Qualifier				Limits	RPD
Diesel Range Organics [C10-C28]	2.5		83.2	51.4		mg/Kg		59	50 - 150	

Surrogate	MS		Limits
	%Recovery	Qualifier	
p-Terphenyl	64		40 - 130

Lab Sample ID: 720-43121-1 MSD
Matrix: Solid
Analysis Batch: 116746

Client Sample ID: HAS1-22-2
Prep Type: Total/NA
Prep Batch: 116713

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.		RPD	Limit
				Result	Qualifier				Limits	RPD		
Diesel Range Organics [C10-C28]	2.5		83.3	57.4		mg/Kg		66	50 - 150	11	30	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
p-Terphenyl	75		40 - 130

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 720-116618/1-A
Matrix: Solid
Analysis Batch: 116675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116618

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	ND		49		ug/Kg		07/05/12 09:49	07/06/12 12:14	1
PCB-1221	ND		49		ug/Kg		07/05/12 09:49	07/06/12 12:14	1
PCB-1232	ND		49		ug/Kg		07/05/12 09:49	07/06/12 12:14	1
PCB-1242	ND		49		ug/Kg		07/05/12 09:49	07/06/12 12:14	1
PCB-1248	ND		49		ug/Kg		07/05/12 09:49	07/06/12 12:14	1
PCB-1254	ND		49		ug/Kg		07/05/12 09:49	07/06/12 12:14	1
PCB-1260	ND		49		ug/Kg		07/05/12 09:49	07/06/12 12:14	1

QC Sample Results

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

TestAmerica Job ID: 720-43121-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 720-116618/1-A
Matrix: Solid
Analysis Batch: 116675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116618

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	87		32 - 112	07/05/12 09:49	07/06/12 12:14	1
DCB Decachlorobiphenyl	93		2 - 122	07/05/12 09:49	07/06/12 12:14	1

Lab Sample ID: LCS 720-116618/2-A
Matrix: Solid
Analysis Batch: 116675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	131	129		ug/Kg		99	65 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	88		32 - 112
DCB Decachlorobiphenyl	96		2 - 122

Lab Sample ID: LCSD 720-116618/3-A
Matrix: Solid
Analysis Batch: 116675

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116618

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1260	133	129		ug/Kg		97	65 - 120	0	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	84		32 - 112
DCB Decachlorobiphenyl	96		2 - 122

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-116777/1-A
Matrix: Solid
Analysis Batch: 116830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116777

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		0.50		mg/Kg		07/07/12 15:29	07/09/12 14:14	1
Arsenic	ND		1.0		mg/Kg		07/07/12 15:29	07/09/12 14:14	1
Barium	ND		0.50		mg/Kg		07/07/12 15:29	07/09/12 14:14	1
Beryllium	ND		0.10		mg/Kg		07/07/12 15:29	07/09/12 14:14	1
Cadmium	ND		0.13		mg/Kg		07/07/12 15:29	07/09/12 14:14	1
Chromium	ND		0.50		mg/Kg		07/07/12 15:29	07/09/12 14:14	1
Cobalt	ND		0.20		mg/Kg		07/07/12 15:29	07/09/12 14:14	1
Copper	ND		1.5		mg/Kg		07/07/12 15:29	07/09/12 14:14	1
Lead	ND		0.50		mg/Kg		07/07/12 15:29	07/09/12 14:14	1
Molybdenum	ND		0.50		mg/Kg		07/07/12 15:29	07/09/12 14:14	1
Nickel	ND		0.50		mg/Kg		07/07/12 15:29	07/09/12 14:14	1
Selenium	ND		1.0		mg/Kg		07/07/12 15:29	07/09/12 14:14	1
Silver	ND		0.25		mg/Kg		07/07/12 15:29	07/09/12 14:14	1
Thallium	ND		0.50		mg/Kg		07/07/12 15:29	07/09/12 14:14	1
Vanadium	ND		0.50		mg/Kg		07/07/12 15:29	07/09/12 14:14	1

QC Sample Results

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

TestAmerica Job ID: 720-43121-1

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

Lab Sample ID: MB 720-116777/1-A
Matrix: Solid
Analysis Batch: 116830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116777

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		1.5		mg/Kg		07/07/12 15:29	07/09/12 14:14	1

Lab Sample ID: LCS 720-116777/2-A
Matrix: Solid
Analysis Batch: 116830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116777

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Antimony	50.0	47.6		mg/Kg		95	80 - 120	
Arsenic	50.0	48.0		mg/Kg		96	80 - 120	
Barium	50.0	50.2		mg/Kg		100	80 - 120	
Beryllium	50.0	50.4		mg/Kg		101	80 - 120	
Cadmium	50.0	48.1		mg/Kg		96	80 - 120	
Chromium	50.0	49.8		mg/Kg		100	80 - 120	
Cobalt	50.0	49.6		mg/Kg		99	80 - 120	
Copper	50.0	50.2		mg/Kg		100	80 - 120	
Lead	50.0	50.1		mg/Kg		100	80 - 120	
Molybdenum	50.0	50.5		mg/Kg		101	80 - 120	
Nickel	50.0	50.3		mg/Kg		101	80 - 120	
Selenium	50.0	47.6		mg/Kg		95	80 - 120	
Silver	25.0	24.1		mg/Kg		97	80 - 120	
Thallium	50.0	50.4		mg/Kg		101	80 - 120	
Vanadium	50.0	50.5		mg/Kg		101	80 - 120	
Zinc	50.0	48.2		mg/Kg		96	80 - 120	

Lab Sample ID: LCSD 720-116777/3-A
Matrix: Solid
Analysis Batch: 116830

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116777

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	1	20	
Arsenic	50.0	47.2		mg/Kg		94	80 - 120	2	20	
Barium	50.0	49.2		mg/Kg		98	80 - 120	2	20	
Beryllium	50.0	49.6		mg/Kg		99	80 - 120	2	20	
Cadmium	50.0	47.4		mg/Kg		95	80 - 120	1	20	
Chromium	50.0	49.2		mg/Kg		98	80 - 120	1	20	
Cobalt	50.0	48.8		mg/Kg		98	80 - 120	2	20	
Copper	50.0	49.4		mg/Kg		99	80 - 120	2	20	
Lead	50.0	49.4		mg/Kg		99	80 - 120	2	20	
Molybdenum	50.0	49.7		mg/Kg		99	80 - 120	2	20	
Nickel	50.0	49.4		mg/Kg		99	80 - 120	2	20	
Selenium	50.0	46.8		mg/Kg		94	80 - 120	2	20	
Silver	25.0	23.8		mg/Kg		95	80 - 120	1	20	
Thallium	50.0	49.7		mg/Kg		99	80 - 120	1	20	
Vanadium	50.0	50.0		mg/Kg		100	80 - 120	1	20	
Zinc	50.0	47.5		mg/Kg		95	80 - 120	2	20	

QC Sample Results

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

TestAmerica Job ID: 720-43121-1

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

Lab Sample ID: LCSSRM 720-116777/25-A

Matrix: Solid

Analysis Batch: 116830

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116777

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Antimony	76.3	41.0		mg/Kg		54	11 - 101	
Arsenic	84.1	81.1		mg/Kg		96	69 - 119	
Barium	517	495		mg/Kg		96	61 - 117	
Beryllium	153	148		mg/Kg		97	56 - 102	
Cadmium	42.0	40.1		mg/Kg		95	67 - 118	
Chromium	269	264		mg/Kg		98	67 - 121	
Cobalt	323	314		mg/Kg		97	64 - 133	
Copper	263	261		mg/Kg		99	68 - 126	
Lead	280	268		mg/Kg		96	62 - 113	
Molybdenum	215	214		mg/Kg		100	62 - 128	
Nickel	106	102		mg/Kg		96	65 - 117	
Selenium	138	132		mg/Kg		95	63 - 126	
Silver	50.4	49.5		mg/Kg		98	51 - 130	
Thallium	331	317		mg/Kg		96	64 - 124	
Vanadium	142	144		mg/Kg		101	67 - 123	
Zinc	574	537		mg/Kg		94	62 - 110	

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-116762/1-A

Matrix: Solid

Analysis Batch: 116831

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116762

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.010		mg/Kg		07/07/12 12:27	07/09/12 15:03	1

Lab Sample ID: LCS 720-116762/2-A

Matrix: Solid

Analysis Batch: 116831

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116762

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Mercury	0.833	0.802		mg/Kg		96	80 - 120	

Lab Sample ID: LCSD 720-116762/3-A

Matrix: Solid

Analysis Batch: 116831

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116762

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Mercury	0.833	0.826		mg/Kg		99	80 - 120	3	20	

Lab Sample ID: 720-43121-1 MS

Matrix: Solid

Analysis Batch: 116831

Client Sample ID: HAS1-22-2

Prep Type: Total/NA

Prep Batch: 116762

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Mercury	0.093		0.794	1.18	F	mg/Kg		137	75 - 125	

QC Sample Results

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

TestAmerica Job ID: 720-43121-1

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

Lab Sample ID: 720-43121-1 MSD
Matrix: Solid
Analysis Batch: 116831

Client Sample ID: HAS1-22-2
Prep Type: Total/NA
Prep Batch: 116762

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.093		0.758	0.985		mg/Kg		118	75 - 125	18	20

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QC Association Summary

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

TestAmerica Job ID: 720-43121-1

GC/MS VOA

Analysis Batch: 116653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43121-1	HAS1-22-2	Total/NA	Solid	8260B/CA_LUFT MS	116670
720-43121-2	HAS2-10-1'	Total/NA	Solid	8260B/CA_LUFT MS	116670
720-43121-3	HAS3-24-0.5	Total/NA	Solid	8260B/CA_LUFT MS	116670
LCS 720-116670/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	116670
LCSD 720-116670/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	116670
MB 720-116670/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	116670

Prep Batch: 116670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43121-1	HAS1-22-2	Total/NA	Solid	5030B	
720-43121-2	HAS2-10-1'	Total/NA	Solid	5030B	
720-43121-3	HAS3-24-0.5	Total/NA	Solid	5030B	
LCS 720-116670/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-116670/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-116670/1-A	Method Blank	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 116636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43121-1	HAS1-22-2	Total/NA	Solid	3546	
720-43121-2	HAS2-10-1'	Total/NA	Solid	3546	
720-43121-3	HAS3-24-0.5	Total/NA	Solid	3546	
LCS 720-116636/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-116636/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-116636/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 116693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43121-1	HAS1-22-2	Total/NA	Solid	8270C	116636
720-43121-2	HAS2-10-1'	Total/NA	Solid	8270C	116636
720-43121-3	HAS3-24-0.5	Total/NA	Solid	8270C	116636
LCS 720-116636/2-A	Lab Control Sample	Total/NA	Solid	8270C	116636
LCSD 720-116636/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	116636
MB 720-116636/1-A	Method Blank	Total/NA	Solid	8270C	116636

GC Semi VOA

Prep Batch: 116618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43121-3	HAS3-24-0.5	Total/NA	Solid	3546	
LCS 720-116618/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-116618/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-116618/1-A	Method Blank	Total/NA	Solid	3546	

QC Association Summary

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

TestAmerica Job ID: 720-43121-1

GC Semi VOA (Continued)

Analysis Batch: 116675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-116618/2-A	Lab Control Sample	Total/NA	Solid	8082	116618
LCSD 720-116618/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	116618
MB 720-116618/1-A	Method Blank	Total/NA	Solid	8082	116618

Prep Batch: 116713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43121-1	HAS1-22-2	Total/NA	Solid	3546	
720-43121-1 MS	HAS1-22-2	Total/NA	Solid	3546	
720-43121-1 MSD	HAS1-22-2	Total/NA	Solid	3546	
720-43121-2	HAS2-10-1'	Total/NA	Solid	3546	
720-43121-3	HAS3-24-0.5	Total/NA	Solid	3546	
LCS 720-116713/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-116713/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-116713/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 116746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43121-1	HAS1-22-2	Total/NA	Solid	8015B	116713
720-43121-1 MS	HAS1-22-2	Total/NA	Solid	8015B	116713
720-43121-1 MSD	HAS1-22-2	Total/NA	Solid	8015B	116713
720-43121-2	HAS2-10-1'	Total/NA	Solid	8015B	116713
720-43121-3	HAS3-24-0.5	Total/NA	Solid	8015B	116713
LCS 720-116713/2-A	Lab Control Sample	Total/NA	Solid	8015B	116713
LCSD 720-116713/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	116713
MB 720-116713/1-A	Method Blank	Total/NA	Solid	8015B	116713

Analysis Batch: 116787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43121-3	HAS3-24-0.5	Total/NA	Solid	8082	116618

Metals

Prep Batch: 116762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43121-1	HAS1-22-2	Total/NA	Solid	7471A	
720-43121-1 MS	HAS1-22-2	Total/NA	Solid	7471A	
720-43121-1 MSD	HAS1-22-2	Total/NA	Solid	7471A	
720-43121-2	HAS2-10-1'	Total/NA	Solid	7471A	
720-43121-3	HAS3-24-0.5	Total/NA	Solid	7471A	
LCS 720-116762/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-116762/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-116762/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 116777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43121-1	HAS1-22-2	Total/NA	Solid	3050B	
720-43121-2	HAS2-10-1'	Total/NA	Solid	3050B	
720-43121-3	HAS3-24-0.5	Total/NA	Solid	3050B	
LCS 720-116777/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-116777/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-116777/25-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-116777/1-A	Method Blank	Total/NA	Solid	3050B	

QC Association Summary

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

TestAmerica Job ID: 720-43121-1

Metals (Continued)

Analysis Batch: 116830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43121-1	HAS1-22-2	Total/NA	Solid	6010B	116777
720-43121-2	HAS2-10-1'	Total/NA	Solid	6010B	116777
720-43121-3	HAS3-24-0.5	Total/NA	Solid	6010B	116777
LCS 720-116777/2-A	Lab Control Sample	Total/NA	Solid	6010B	116777
LCSD 720-116777/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	116777
LCSSRM 720-116777/25-A	Lab Control Sample	Total/NA	Solid	6010B	116777
MB 720-116777/1-A	Method Blank	Total/NA	Solid	6010B	116777

Analysis Batch: 116831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-43121-1	HAS1-22-2	Total/NA	Solid	7471A	116762
720-43121-1 MS	HAS1-22-2	Total/NA	Solid	7471A	116762
720-43121-1 MSD	HAS1-22-2	Total/NA	Solid	7471A	116762
720-43121-2	HAS2-10-1'	Total/NA	Solid	7471A	116762
720-43121-3	HAS3-24-0.5	Total/NA	Solid	7471A	116762
LCS 720-116762/2-A	Lab Control Sample	Total/NA	Solid	7471A	116762
LCSD 720-116762/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	116762
MB 720-116762/1-A	Method Blank	Total/NA	Solid	7471A	116762

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Lab Chronicle

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

TestAmerica Job ID: 720-43121-1

Client Sample ID: HAS1-22-2

Lab Sample ID: 720-43121-1

Date Collected: 07/05/12 09:30

Matrix: Solid

Date Received: 07/05/12 10:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116670	07/05/12 19:00	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116653	07/06/12 01:14	AC	TAL SF
Total/NA	Prep	3546			116636	07/05/12 21:55	ND	TAL SF
Total/NA	Analysis	8270C		1	116693	07/06/12 19:00	ML	TAL SF
Total/NA	Prep	3546			116713	07/06/12 14:33	ND	TAL SF
Total/NA	Analysis	8015B		1	116746	07/07/12 13:12	DH	TAL SF
Total/NA	Prep	3050B			116777	07/07/12 15:30	ET	TAL SF
Total/NA	Analysis	6010B		4	116830	07/09/12 16:05	BA	TAL SF
Total/NA	Prep	7471A			116762	07/07/12 12:27	ND	TAL SF
Total/NA	Analysis	7471A		1	116831	07/09/12 16:31	ASB	TAL SF

Client Sample ID: HAS2-10-1'

Lab Sample ID: 720-43121-2

Date Collected: 07/05/12 09:50

Matrix: Solid

Date Received: 07/05/12 10:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116670	07/05/12 19:00	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116653	07/06/12 01:43	AC	TAL SF
Total/NA	Prep	3546			116636	07/05/12 21:55	ND	TAL SF
Total/NA	Analysis	8270C		1	116693	07/06/12 19:24	ML	TAL SF
Total/NA	Prep	3546			116713	07/06/12 14:33	ND	TAL SF
Total/NA	Analysis	8015B		1	116746	07/07/12 13:36	DH	TAL SF
Total/NA	Prep	3050B			116777	07/07/12 15:30	ET	TAL SF
Total/NA	Analysis	6010B		4	116830	07/09/12 16:09	BA	TAL SF
Total/NA	Prep	7471A			116762	07/07/12 12:27	ND	TAL SF
Total/NA	Analysis	7471A		1	116831	07/09/12 15:18	ASB	TAL SF

Client Sample ID: HAS3-24-0.5

Lab Sample ID: 720-43121-3

Date Collected: 07/05/12 10:10

Matrix: Solid

Date Received: 07/05/12 10:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			116670	07/05/12 19:00	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	116653	07/06/12 02:12	AC	TAL SF
Total/NA	Prep	3546			116636	07/05/12 21:55	ND	TAL SF
Total/NA	Analysis	8270C		1	116693	07/06/12 19:48	ML	TAL SF
Total/NA	Prep	3546			116713	07/06/12 14:33	ND	TAL SF
Total/NA	Analysis	8015B		1	116746	07/07/12 14:01	DH	TAL SF
Total/NA	Prep	3546			116618	07/05/12 21:51	AM	TAL SF
Total/NA	Analysis	8082		1	116787	07/09/12 19:57	EC	TAL SF
Total/NA	Prep	3050B			116777	07/07/12 15:30	ET	TAL SF
Total/NA	Analysis	6010B		4	116830	07/09/12 16:13	BA	TAL SF
Total/NA	Prep	7471A			116762	07/07/12 12:30	ND	TAL SF
Total/NA	Analysis	7471A		1	116831	07/09/12 15:20	ASB	TAL SF

Lab Chronicle

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

TestAmerica Job ID: 720-43121-1

Laboratory References:

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

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Certification Summary

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

TestAmerica Job ID: 720-43121-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Pleasanton	California	State Program	9	2496

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.

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Method Summary

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

TestAmerica Job ID: 720-43121-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL SF
8270C	Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL SF
6010B	Metals (ICP)	SW846	TAL SF
7471A	Mercury (CVAA)	SW846	TAL SF

Protocol References:

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

Laboratory References:

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



Sample Summary

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

TestAmerica Job ID: 720-43121-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-43121-1	HAS1-22-2	Solid	07/05/12 09:30	07/05/12 10:37
720-43121-2	HAS2-10-1'	Solid	07/05/12 09:50	07/05/12 10:37
720-43121-3	HAS3-24-0.5	Solid	07/05/12 10:10	07/05/12 10:37

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720-43121

139296

**HALEY
ALDRICH**

Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, CA 94596

CHAIN OF CUSTODY RECORD

Phone (617) 886-7400
Fax (617) 886-7600
Page 1 of 1

H&A FILE NO.	39048-000	LABORATORY	TestAmerica Pleasanton	DELIVERY DATE	
PROJECT NAME	Former Hansons Stockpile	ADDRESS	1220 Quarry Lane, Pleasanton, CA	TURNAROUND TIME	Standard
H&A CONTACT	Jessica Bernardini 925.949.1027	CONTACT	925.484.1919	PROJECT MANAGER	Dimple Sharma

Sample No.	Date	Time	Depth	Type	Analysis Requested												Number of Containers	Comments (special instructions, precautions, additional method numbers, etc.)
					SVOCs by EPA 8270C	VOCs by EPA 8260B	TPH by EPA 8015	Heavy Metals by 7471A-CAM17	Pesticides by EPA 8081A, 8141A	pH	Arsenic by CARB 435	PCB by EPA 8082						
HA51-22-2	7/5/12	930	2'	S	X		X	X									1	depth at 1'
HA52-10-1	7/5/12	950	1'	S	X		X	X										"
HA53-24-05	7/5/12	1010	2'	S	X		X	X										depth at 1'
HA53-24-05	7/5/12	1010	0.5'	S	X		X	X										depth at 0.5'

JAB

Sampled and Relinquished by	Received by	LIQUID	Sampling Comments
Sign <i>Michael Zlotoff</i> Print Michael Zlotoff Firm Haley & Aldrich Date 7/5/12 Time 10:37	Sign <i>John Mulken</i> Print Mulken Firm TestAmerica Date 7-5-12 Time 10:37	VOA Vial Amber Glass Plastic Bottle Preservative Volume	

Relinquished by	Received by	SOLID	Evidence samples were tampered with? YES NO
Sign Print Firm Date Time	Sign Print Firm Date Time	X X X X VOA Vial Amber Glass Clear Glass Preservative Volume	

Relinquished by	Received by	PRESERVATION KEY	
Sign Print Firm Date Time	Sign Print Firm Date Time	A Sample chilled C NaOH E H ₂ SO ₄ G Methanol B Sample filtered D HNO ₃ F HCL H Water/NaHSO ₄ (circle)	

23.224/MS

<p>If Presumptive Certainty Data Package is needed, initial all sections:</p> <p>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.</p> <p>Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.</p> <p>This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.</p> <p>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</p>	<p>Required Reporting Limits and Data Quality Objectives</p> <p><input type="checkbox"/> RC-S1 <input type="checkbox"/> S1 <input type="checkbox"/> GW1 <input type="checkbox"/> RC-S2 <input type="checkbox"/> S2 <input type="checkbox"/> GW2 <input type="checkbox"/> RC-GW1 <input type="checkbox"/> S3 <input type="checkbox"/> GW3 <input type="checkbox"/> RC-GW2</p>
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Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 720-43121-1

Login Number: 43121

List Number: 1

Creator: Mullen, Joan

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

