Haley & Aldrich, Inc.
3187 Red Hill Ave
Suite 155
Costa Mesa, CA 92626-3410

Tel: 714.371.1800
Fax: 714.641.2811
HaleyAldrich.com

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ALDRICH

TECHNICAL MEMORANDUM

3 March 2011
File No. 32022-100

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD
2011 MAR -4 A 9:55

TO: Tom Alo
San Diego Regional Water Quality Control Board

C: Paul Manasjan, San Diego County Regional Airport Authority
Bill Hays, San Diego Unified Port District

FROM: Haley & Aldrich, Inc.
Beth Breitenbach, PG

SUBJECT: SAMPLING OF WATER IN THE STORM DRAINS BENEATH THE FORMER TRA FACILITY, SAN DIEGO, CALIFORNIA

Dear Mr. Alo:

This technical memorandum was prepared by Haley & Aldrich, Inc. (Haley & Aldrich) on behalf of the San Diego Unified Port District (Port) and the San Diego County Regional Airport Authority (Airport). This memorandum was prepared in response to a request by the San Diego Regional Water Quality Control Board (RWQCB) to clarify the location and how water samples were collected by Haley & Aldrich in the storm drain beneath the former Teledyne Ryan Aeronautical facility (TRA Site), located at 2701 North Harbor Drive, San Diego, California on 12 December 2008, 9 and 13 January 2009.

SAMPLE LOCATION AND METHODOLOGY

The sample locations along the storm drain are shown on the attached Figure 1. The samples were collected starting from Convair Lagoon then working upstream beneath the former TRA Site. Grab water samples were collected by hand in 40-ml VOA vials either by placing the vials directly in the water flowing at the pipe invert upstream of the samplers standing position, or from the flow entering the pipes above the water flowing at the invert (see Table I below).

Immediately following sampling, the sample containers were labeled, placed in a cooler with ice, and transported to a state-certified laboratory under standard chain-of-custody procedures for analysis.

TABLE I
WATER SAMPLE LOCATION IN STORM DRAIN PIPES

Storm Drain	Location Designation	Location in Pipe
54-inch	54CH	Invert of 54-inch at outfall
Channel in Convair Lagoon associated with 60-inch	60CH2	Invert at end of the channel
60-inch	60CH_OUTFALL	Invert of 60-inch at outfall
60-inch	CB-134	Invert of 60-inch
60-inch	CB-133(LATERAL)	Invert of lateral entering 60-inch
60-inch	CB-133	Invert of 60-inch
60-inch	CB-133-15N	Water seeping from around lateral at break-in connection at "2 o'clock"
60-inch	CB-133-110N	Invert of 60-inch
60-inch	CB-131-030S	Water seeping from around lateral at break-in connection
60-inch	CB-131-060N	Invert of 60-inch
30-inch east	30ECH	Invert of 30-inch at outfall
30-inch east	MH-201	Invert of 30-inch

ADDITIONAL EVIDENCE OF SEEPS

A review of closed-circuit television (CCTV) footage of the 54-inch drain taken on 15 December 2005 identifies seeps at approximately 7, 14, 22, 32, 39, 373 and 467 feet south of catch basin CB63 (see enclosed video clips). Many of these seeps have a characteristic white mineral deposit at the locations where the water is seen to be entering the pipe at the pipe joints. Lack of specificity in previous Geosyntec reports regarding were seeps where patched prevents confirmation that all the seeps observed on 15 December 2005 have been patched. Moreover, as the pipe continues to age, there is the potential for more seeps to occur. Also of note in the 15 December 2005 CCTV footage is a large hole in the pipe at approximately 373 feet south of catch basin CB63.

A review of CCTV footage of the 60-inch drain taken on 14 May 2010 shows water seeping into the drain at several locations, most notably 155'07" (water flowing into the pipe around the break-in connection) and 645'01" (water flowing into the pipe from what appears to be a deteriorated section of the pipe) north of the entry point in the parking lot on the south side of the TRA property (see enclosed video clips that were originally shown to the RWQCB, TDY, and other interested parties during a TRA Site meeting on 23 July 2010). Also, along most of the pipe white mineral deposits are evident at the pipe joints that are similar to those observed in the 54-inch where water is seeping into the pipe (see video clip from 450'04" to 520'03). The quality of the CCTV footage does not allow direct confirmation of flowing water; however, the observation of the deposit is indicative of seepage.

The presence of VOCs in the water sampled in the 60-inch storm drain is another line of evidence for a complete pathway for TRA Site-related chemicals of concern to migrate to surface water in the storm water conveyance system (see Figure 1).

In a meeting with the RWQCB on 2 March 2011, Geosyntec provided data that indicates at least 1 foot of water table rise during the last monitoring event. Geosyntec suggested that this could be attributed to stormwater trapped in the laterals, which have been plugged at the trunk lines as part of the demolition project, leaking out of the laterals and infiltrating to groundwater and thus raising the groundwater table. This is another line of evidence that the stormwater conveyance systems at the TRA Site are not water tight.

(As a separate issue, we suggest that the RWQCB consider how the increased groundwater gradient may affect Geosyntec's groundwater modeling related to discharges to San Diego Bay. We also note that Geosyntec suggests that recent increases in VOC concentrations in groundwater may be attributable to the higher water table with groundwater coming into contact with VOC-impacted soil. As has been stated by the Airport for several years, the Airport is committed to meetings their obligations under the San Diego County Standard Urban Stormwater Management Plan (SUSMP) for implementing Low Impact Development (LID), which requires the consideration of infiltration of stormwater to the maximum extent practicable. Based on this, we also suggest that the RWQCB carefully consider when TDY will be released from its responsibility for groundwater monitoring and we suggest that this should only occur after the hydrogeologic system has reached a new higher seasonal range following widespread infiltration, which is the proposed future condition of the Site.)

CONCERN REGARDING GROUNDWATER TO STORM DRAIN PATHWAY

We refer the RWQCB to our comments dated 14 January 2011 related to the Draft CAO Addendum No. 4, and specifically the excerpted comments below:

"Comment #3. During monthly stakeholder meetings, the City of San Diego has informed us on several occasions that the 60-inch SWCS is not water-tight by design. During TDY's SWCS sediment removal activities, infiltration of groundwater and base flow within the 54-inch and 60-inch drains were observed and had to be managed through installation of plugs and pumping (TDY PCB Report pp. 59, 65, 79, 94, Appendix C Tables 6 and 7). TDY has reported infiltration rates of up to 80 gallons per minute into the 60-inch SWCS over a 225-feet section (TDY PCB Report Appendix C, Table 6) prior to limited patching. This patching was of joints and cracks in three locations in the last 15 feet of the pipe before the outfall and was performed during June to October 2006 SWCS cleaning (TDY PCB Report p. 87). TDY sampled groundwater seeping into the 54-inch storm drain on 15 June 2006 (TDY PCB Report Appendix C, Table 7) prior to patching one location on 26 June 2009. Direct observations and sampling by Haley & Aldrich when entering the 54-inch and 60-inch trunk lines indicate that seeps exist in locations other than the four locations patched to date by TDY (Attachment 1). As the storm drains continue to age and deteriorate, future seeps will likely occur. In the absence of a maintenance program to monitoring and patch seeps or a liner, this pathway will likely become more significant as the SWCS ages.

Comment #4. Seep sampling performed by the Port and Airport in January 2009 (Attachment 1), after the patching near the outfall of the 60-inch, identified chlorinated VOCs in the 60-inch storm drain beneath the TRA Site that correspond to chemicals of concern identified in groundwater at the TRA Site. TDY's 15 June 2006 PCB, VOC and SVOC in groundwater seep data for the 54-inch storm drain (TDY PCB Report Appendix C, Table 7) and the attached Port/Airport VOC groundwater seep data for the 60-inch storm drain indicated that TRA Site-related chemicals of concerns have entered the 54-inch

and 60-inch trunk lines. This data indicates that a current pathway exists between groundwater at the TRA Site and the 60-inch trunk line, and as the 54-inch and 60-inch storm drains age, these pathways will become more significant if lining and/or maintenance are not performed.

Comment #5. We understand from the RWQCB's 19 December 2008 letter to TDY and comments made by the RWQCB storm water personnel on several occasion during stakeholder meetings that any detectable concentrations of TRA Site-related chemicals in the SWCS would violate Prohibition No. 8 of the Basin Plan. As such, the Port and Airport consider groundwater seepage into the SWCS as a significant pathway that needs to be addressed by the RAP and appropriate cleanup levels need to be established that are protective of the receiving surface waters. The Port and Airport is concerned that failure by TDY to adequately address this pathway could result in an inappropriate burden being placed on government agencies that rely on public funding, either to demonstrate to the RWQCB that violations of Prohibition No. 8 are the responsibility of TDY after TDY has been released from the Site, or worse the public agencies are held responsible to remedy discharges related to TDY's waste releases.

Comment #6: The RWQCB makes reference to CTR values; however, many of the groundwater Alternative Cleanup Levels are set above the CTRs values. As stated above (Comment #4), groundwater is currently and/or has the future potential to discharge to the SWCS and as such appropriate cleanup levels for the protection of surface water quality should established that lie between background and the CTR values."

Please contact us if you require any additional information.

Sincerely yours,
HALEY & ALDRICH, INC.

Beth Breitenbach

Beth Breitenbach, PG
Senior Environmental Geologist

Attachments:
Figure 1 – Sampling Locations
CCTV Video Clips (compact disc)

December 24, 2008

Beth Breitenbach
Haley & Aldrich
9040 Friars Road, Suite 220
San Diego, CA 92108
TEL: (619) 285-7109
FAX: (619) 280-9415

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 102694

RE: TRA, 32022-100

Attention: Beth Breitenbach

Enclosed are the results for sample(s) received on December 12, 2008 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

Advanced Technology Laboratories

Date: *24-Dec-08*

CLIENT: Haley & Aldrich
Project: TRA, 32022-100
Lab Order: 102694
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
102694-001A	30WCH_OS_121208	Sediment	12/12/2008 1:45:00 PM	12/12/2008	12/24/2008
102694-002A	30CH_153S_SD_121208	Sediment	12/12/2008 1:50:00 PM	12/12/2008	12/24/2008
102694-003A	54CH_OW_121208	Water	12/12/2008 2:00:00 PM	12/12/2008	12/24/2008
102694-003B	54CH_OW_121208	Water	12/12/2008 2:00:00 PM	12/12/2008	12/24/2008
102694-003C	54CH_OW_121208	Water	12/12/2008 2:00:00 PM	12/12/2008	12/24/2008
102694-004A	54CH_OS_SD_121208	Sediment	12/12/2008 2:10:00 PM	12/12/2008	12/24/2008
102694-005A	54CH_90SE_SD_121208	Sediment	12/12/2008 2:25:00 PM	12/12/2008	12/24/2008
102694-006A	54CH_75SW_SD_121208	Sediment	12/12/2008 2:32:00 PM	12/12/2008	12/24/2008
102694-007A	30ECH_OS_121208	Sediment	12/12/2008 3:02:00 PM	12/12/2008	12/24/2008
102694-008A	60CH_66S_SD_121208	Sediment	12/12/2008 2:54:00 PM	12/12/2008	12/24/2008
102694-009A	Convair 01_CS_121208	Sediment	12/12/2008 2:59:00 PM	12/12/2008	12/24/2008
102694-010A	Convair 02_CS_121208	Sediment	12/12/2008 3:03:00 PM	12/12/2008	12/24/2008
102694-011A	Convair 03_CS_121208	Sediment	12/12/2008 3:07:00 PM	12/12/2008	12/24/2008
102694-012A	Convair 04_CS_121208	Sediment	12/12/2008 3:11:00 PM	12/12/2008	12/24/2008
102694-013A	Convair 05_CS_121208	Sediment	12/12/2008 3:15:00 PM	12/12/2008	12/24/2008
102694-014A	60CH_OW_121208	Water	12/12/2008 3:18:00 PM	12/12/2008	12/24/2008
102694-014B	60CH_OW_121208	Water	12/12/2008 3:18:00 PM	12/12/2008	12/24/2008
102694-014C	60CH_OW_121208	Water	12/12/2008 3:18:00 PM	12/12/2008	12/24/2008
102694-016A	60CH_93S_SD_121208	Sediment	12/12/2008 4:10:00 PM	12/12/2008	12/24/2008
102694-017A	60CH_150S_SD_121208	Sediment	12/12/2008 4:15:00 PM	12/12/2008	12/24/2008
102694-018A	15CH_OS_121208	Sediment	12/12/2008 3:29:00 PM	12/12/2008	12/24/2008
102694-019A	Coast Guard 01_SD_121208	Sediment	12/12/2008 3:31:00 PM	12/12/2008	12/24/2008
102694-020A	Coast Guard 02_SD_121208	Sediment	12/12/2008 3:33:00 PM	12/12/2008	12/24/2008
102694-021A	Coast Guard 03_SD_121208	Sediment	12/12/2008 3:37:00 PM	12/12/2008	12/24/2008
102694-022A	Coast Guard 04_SD_121208	Sediment	12/12/2008 3:41:00 PM	12/12/2008	12/24/2008
102694-023A	30CGCH_OS_121208	Sediment	12/12/2008 3:50:00 PM	12/12/2008	12/24/2008

Advanced Technology Laboratories

Date: *24-Dec-08*

CLIENT: Haley & Aldrich
Project: TRA, 32022-100
Lab Order: 102694

CASE NARRATIVE

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Sample Receiving / General Comments

Chain of Custody (COC) requests PCB and TPH-DRO analysis for samples 54CH_OW_121208 and 60CH_OW_121208; however, only one (1) amber liter was received by the laboratory. Sample 60CH_66S_SD_121208 is listed twice on the COC. Sample ID 30WCH _OC_121208 is listed on the COC, but the container labels list 30CH_OS_121208. The client was notified on 12/15/08 and instructed the laboratory to use half sample volume for the PCB andTPH-DRO analysis for samples 54CH_OW_121208 and 60CH_OW_121208, disregard the duplicate sample ID listed for 60CH_66S_SD_121208 and to follow the ID listed on the COC for 30WCH _OC_121208. The laboratory was also instruced to add CAM17 analysis to samples Coast Guard 03_SD_121208 and Coast Guard 04_SD_121208. Please refer to the attached email dated 12/16/08.

Analytical Comments for Method 6010

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for sample 102694-023AMS; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for Method 8082

Dilution was necessary for samples 102694-001A, 102694-005A, 102694-008A, 102694-010A, 102694-011A, 102694-012A, 102694-013A, 102694-016A, 102694-017A and 102694-023A, due to sample matrix.

Surrogate recoveries were diluted out for samples 102694-008A and 102694-011A.

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	30WCH_OS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 1:45:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-001A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223E**	QC Batch: **51176**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	0.90	0.28	2.0	J	mg/Kg	1	12/23/2008 04:01 PM
Arsenic	2.7	0.27	1.0		mg/Kg	1	12/23/2008 04:01 PM
Barium	60	0.13	1.0		mg/Kg	1	12/23/2008 04:01 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 04:01 PM
Cadmium	0.43	0.0064	1.0	J	mg/Kg	1	12/23/2008 04:01 PM
Chromium	23	0.088	1.0		mg/Kg	1	12/23/2008 04:01 PM
Cobalt	1.9	0.014	1.0		mg/Kg	1	12/23/2008 04:01 PM
Copper	100	0.26	2.0		mg/Kg	1	12/23/2008 04:01 PM
Lead	19	0.11	1.0		mg/Kg	1	12/23/2008 04:01 PM
Molybdenum	1.3	0.043	1.0		mg/Kg	1	12/23/2008 04:01 PM
Nickel	6.1	0.032	1.0		mg/Kg	1	12/23/2008 04:01 PM
Selenium	0.56	0.43	1.0	J	mg/Kg	1	12/23/2008 04:01 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 04:01 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 04:01 PM
Vanadium	12	0.019	1.0		mg/Kg	1	12/23/2008 04:01 PM
Zinc	200	0.19	1.0		mg/Kg	1	12/23/2008 04:01 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 01:42 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 01:42 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 01:42 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 01:42 PM
Aroclor 1248	1700	25	160		µg/Kg	10	12/19/2008 01:36 AM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/18/2008 01:42 PM
Aroclor 1260	110	4.2	16		µg/Kg	1	12/18/2008 01:42 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 01:42 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 01:42 PM
Surr: Decachlorobiphenyl	40.9	0	30-124		%REC	1	12/18/2008 01:42 PM
Surr: Decachlorobiphenyl	50.2	0	30-124		%REC	10	12/19/2008 01:36 AM
Surr: Tetrachloro-m-xylene	43.0	0	40-118		%REC	10	12/19/2008 01:36 AM
Surr: Tetrachloro-m-xylene	55.4	0	40-118		%REC	1	12/18/2008 01:42 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	30WCH_OS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 1:45:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-001A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217G**	QC Batch: **51173**				PrepDate: **12/16/2008**		Analyst: **AMT**
Mercury	ND	0.038	0.10		mg/Kg	1	12/17/2008 05:25 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	30CH_153S_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 1:50:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-002A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223E**	QC Batch: **51176**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	ND	0.28	2.0		mg/Kg	1	12/23/2008 04:10 PM
Arsenic	4.5	0.27	1.0		mg/Kg	1	12/23/2008 04:10 PM
Barium	30	0.13	1.0		mg/Kg	1	12/23/2008 04:10 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 04:10 PM
Cadmium	0.23	0.0064	1.0	J	mg/Kg	1	12/23/2008 04:10 PM
Chromium	11	0.088	1.0		mg/Kg	1	12/23/2008 04:10 PM
Cobalt	1.5	0.014	1.0		mg/Kg	1	12/23/2008 04:10 PM
Copper	20	0.26	2.0		mg/Kg	1	12/23/2008 04:10 PM
Lead	9.3	0.11	1.0		mg/Kg	1	12/23/2008 04:10 PM
Molybdenum	0.51	0.043	1.0	J	mg/Kg	1	12/23/2008 04:10 PM
Nickel	3.3	0.032	1.0		mg/Kg	1	12/23/2008 04:10 PM
Selenium	0.51	0.43	1.0	J	mg/Kg	1	12/23/2008 04:10 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 04:10 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 04:10 PM
Vanadium	12	0.019	1.0		mg/Kg	1	12/23/2008 04:10 PM
Zinc	55	0.19	1.0		mg/Kg	1	12/23/2008 04:10 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 02:12 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 02:12 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 02:12 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 02:12 PM
Aroclor 1248	160	2.5	16		µg/Kg	1	12/18/2008 02:12 PM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/18/2008 02:12 PM
Aroclor 1260	20	4.2	16		µg/Kg	1	12/18/2008 02:12 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 02:12 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 02:12 PM
Surr: Decachlorobiphenyl	76.4	0	30-124		%REC	1	12/18/2008 02:12 PM
Surr: Tetrachloro-m-xylene	98.4	0	40-118		%REC	1	12/18/2008 02:12 PM
MERCURY BY COLD VAPOR TECHNIQUE							
					EPA 7471A		
RunID: **AA1_081217G**	QC Batch: **51173**				PrepDate: **12/16/2008**	Analyst: **AMT**	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	30CH_153S_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 1:50:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-002A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217G**	QC Batch: **51173**				PrepDate: **12/16/2008**	Analyst: **AMT**	
Mercury	0.074	0.038	0.10	J	mg/Kg	1	12/17/2008 05:30 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	54CH_OW_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 2:00:00 PM
Project:	TRA, 32022-100	**Matrix:**	WATER
Lab ID:	102694-003A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_081218A** QC Batch: **A08VW352** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.12	0.50		µg/L	1	12/18/2008 12:55 PM
1,1,1-Trichloroethane	ND	0.14	0.50		µg/L	1	12/18/2008 12:55 PM
1,1,2,2-Tetrachloroethane	ND	0.34	0.50		µg/L	1	12/18/2008 12:55 PM
1,1,2-Trichloroethane	ND	0.13	0.50		µg/L	1	12/18/2008 12:55 PM
1,1-Dichloroethane	ND	0.12	0.50		µg/L	1	12/18/2008 12:55 PM
1,1-Dichloroethene	ND	0.23	0.50		µg/L	1	12/18/2008 12:55 PM
1,1-Dichloropropene	ND	0.17	0.50		µg/L	1	12/18/2008 12:55 PM
1,2,3-Trichlorobenzene	ND	0.11	0.50		µg/L	1	12/18/2008 12:55 PM
1,2,3-Trichloropropane	ND	0.24	0.50		µg/L	1	12/18/2008 12:55 PM
1,2,4-Trichlorobenzene	ND	0.14	0.50		µg/L	1	12/18/2008 12:55 PM
1,2,4-Trimethylbenzene	ND	0.11	0.50		µg/L	1	12/18/2008 12:55 PM
1,2-Dibromo-3-chloropropane	ND	0.39	0.50		µg/L	1	12/18/2008 12:55 PM
1,2-Dibromoethane	ND	0.20	0.50		µg/L	1	12/18/2008 12:55 PM
1,2-Dichlorobenzene	ND	0.16	0.50		µg/L	1	12/18/2008 12:55 PM
1,2-Dichloroethane	ND	0.10	0.50		µg/L	1	12/18/2008 12:55 PM
1,2-Dichloropropane	ND	0.12	0.50		µg/L	1	12/18/2008 12:55 PM
1,3,5-Trimethylbenzene	ND	0.12	0.50		µg/L	1	12/18/2008 12:55 PM
1,3-Dichlorobenzene	ND	0.16	0.50		µg/L	1	12/18/2008 12:55 PM
1,3-Dichloropropane	ND	0.090	0.50		µg/L	1	12/18/2008 12:55 PM
1,4-Dichlorobenzene	ND	0.16	0.50		µg/L	1	12/18/2008 12:55 PM
2,2-Dichloropropane	ND	0.18	0.50		µg/L	1	12/18/2008 12:55 PM
2-Chlorotoluene	ND	0.11	0.50		µg/L	1	12/18/2008 12:55 PM
4-Chlorotoluene	ND	0.14	0.50		µg/L	1	12/18/2008 12:55 PM
4-Isopropyltoluene	ND	0.12	0.50		µg/L	1	12/18/2008 12:55 PM
Benzene	ND	0.080	0.50		µg/L	1	12/18/2008 12:55 PM
Bromobenzene	ND	0.11	0.50		µg/L	1	12/18/2008 12:55 PM
Bromodichloromethane	ND	0.15	0.50		µg/L	1	12/18/2008 12:55 PM
Bromoform	ND	0.13	0.50		µg/L	1	12/18/2008 12:55 PM
Bromomethane	ND	0.42	0.50		µg/L	1	12/18/2008 12:55 PM
Carbon tetrachloride	ND	0.17	0.50		µg/L	1	12/18/2008 12:55 PM
Chlorobenzene	ND	0.090	0.50		µg/L	1	12/18/2008 12:55 PM
Chloroethane	ND	0.25	0.50		µg/L	1	12/18/2008 12:55 PM
Chloroform	ND	0.12	0.50		µg/L	1	12/18/2008 12:55 PM
Chloromethane	ND	0.14	0.50		µg/L	1	12/18/2008 12:55 PM
cis-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	12/18/2008 12:55 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	54CH_OW_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 2:00:00 PM
Project:	TRA, 32022-100	**Matrix:**	WATER
Lab ID:	102694-003A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS11_081218A**	QC Batch: **A08VW352**				PrepDate:		Analyst: **SLL**
cis-1,3-Dichloropropene	ND	0.10	0.50		µg/L	1	12/18/2008 12:55 PM
Dibromochloromethane	ND	0.14	0.50		µg/L	1	12/18/2008 12:55 PM
Dibromomethane	ND	0.14	0.50		µg/L	1	12/18/2008 12:55 PM
Dichlorodifluoromethane	ND	0.46	0.50		µg/L	1	12/18/2008 12:55 PM
Ethylbenzene	ND	0.12	0.50		µg/L	1	12/18/2008 12:55 PM
Hexachlorobutadiene	ND	0.19	0.50		µg/L	1	12/18/2008 12:55 PM
Isopropylbenzene	ND	0.13	0.50		µg/L	1	12/18/2008 12:55 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	12/18/2008 12:55 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	12/18/2008 12:55 PM
n-Butylbenzene	ND	0.14	0.50		µg/L	1	12/18/2008 12:55 PM
n-Propylbenzene	ND	0.12	0.50		µg/L	1	12/18/2008 12:55 PM
Naphthalene	ND	0.16	0.50		µg/L	1	12/18/2008 12:55 PM
o-Xylene	ND	0.18	0.50		µg/L	1	12/18/2008 12:55 PM
sec-Butylbenzene	ND	0.15	0.50		µg/L	1	12/18/2008 12:55 PM
Styrene	ND	0.15	0.50		µg/L	1	12/18/2008 12:55 PM
tert-Butylbenzene	ND	0.12	0.50		µg/L	1	12/18/2008 12:55 PM
Tetrachloroethene	ND	0.18	0.50		µg/L	1	12/18/2008 12:55 PM
Toluene	ND	0.17	0.50		µg/L	1	12/18/2008 12:55 PM
trans-1,2-Dichloroethene	ND	0.12	0.50		µg/L	1	12/18/2008 12:55 PM
Trichloroethene	ND	0.12	0.50		µg/L	1	12/18/2008 12:55 PM
Trichlorofluoromethane	ND	0.50	0.50		µg/L	1	12/18/2008 12:55 PM
Vinyl chloride	ND	0.17	0.50		µg/L	1	12/18/2008 12:55 PM
Surr: 1,2-Dichloroethane-d4	105	0	70-130		%REC	1	12/18/2008 12:55 PM
Surr: 4-Bromofluorobenzene	96.5	0	70-130		%REC	1	12/18/2008 12:55 PM
Surr: Dibromofluoromethane	103	0	70-130		%REC	1	12/18/2008 12:55 PM
Surr: Toluene-d8	105	0	70-130		%REC	1	12/18/2008 12:55 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	54CH_OW_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 2:00:00 PM
Project:	TRA, 32022-100	**Matrix:**	WATER
Lab ID:	102694-003B		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B(M)				
RunID: **GC6_081218A**	QC Batch: **I08VW230**				PrepDate:		Analyst: **DDL**
GRO	ND	0.050	0.20		mg/L	1	12/18/2008 01:22 PM
Surr: Bromofluorobenzene (FID)	98.2	0	71-130		%REC	1	12/18/2008 01:22 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID							
			EPA 8021B				
RunID: **GC6_081218A**	QC Batch: **I08VW230**				PrepDate:		Analyst: **DDL**
Benzene	ND	0.30	0.50		µg/L	1	12/18/2008 01:22 PM
Ethylbenzene	ND	0.32	0.50		µg/L	1	12/18/2008 01:22 PM
m,p-Xylene	ND	0.61	1.0		µg/L	1	12/18/2008 01:22 PM
o-Xylene	ND	0.31	0.50		µg/L	1	12/18/2008 01:22 PM
Toluene	ND	0.28	0.50		µg/L	1	12/18/2008 01:22 PM
Surr: Bromofluorobenzene (PID)	90.1	1.0	73-127		%REC	1	12/18/2008 01:22 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	54CH_OW_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 2:00:00 PM
Project:	TRA, 32022-100	**Matrix:**	WATER
Lab ID:	102694-003C		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID							
	EPA 3510C		**EPA 8015B(M)**				
RunID: **GC16_081219A**	QC Batch: **51301**				PrepDate: **12/18/2008**		Analyst: **CBR**
DRO	ND	0.40	0.40		mg/L	1	12/19/2008 11:20 AM
Surr: p-Terphenyl	81.2	0	35-131		%REC	1	12/19/2008 11:20 AM
PCBS BY GC/ECD							
	EPA 3510C		**EPA 8082**				
RunID: **GC4_081218B**	QC Batch: **51288**				PrepDate: **12/18/2008**		Analyst: **HL**
Aroclor 1016	ND	0.039	0.50		µg/L	1	12/18/2008 10:04 PM
Aroclor 1221	ND	0.091	1.0		µg/L	1	12/18/2008 10:04 PM
Aroclor 1232	ND	0.082	0.50		µg/L	1	12/18/2008 10:04 PM
Aroclor 1242	ND	0.092	0.50		µg/L	1	12/18/2008 10:04 PM
Aroclor 1248	ND	0.096	0.50		µg/L	1	12/18/2008 10:04 PM
Aroclor 1254	ND	0.074	0.50		µg/L	1	12/18/2008 10:04 PM
Aroclor 1260	ND	0.053	0.50		µg/L	1	12/18/2008 10:04 PM
Aroclor 1262	ND	0.099	0.50		µg/L	1	12/18/2008 10:04 PM
Aroclor 1268	ND	0.094	0.50		µg/L	1	12/18/2008 10:04 PM
Surr: Decachlorobiphenyl	76.6	0	29-130		%REC	1	12/18/2008 10:04 PM
Surr: Tetrachloro-m-xylene	73.0	0	48-126		%REC	1	12/18/2008 10:04 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	54CH_OS_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 2:10:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-004A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223E**	QC Batch: **51176**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	0.31	0.28	2.0	J	mg/Kg	1	12/23/2008 04:15 PM
Arsenic	3.0	0.27	1.0		mg/Kg	1	12/23/2008 04:15 PM
Barium	28	0.13	1.0		mg/Kg	1	12/23/2008 04:15 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 04:15 PM
Cadmium	0.47	0.0064	1.0	J	mg/Kg	1	12/23/2008 04:15 PM
Chromium	28	0.088	1.0		mg/Kg	1	12/23/2008 04:15 PM
Cobalt	2.0	0.014	1.0		mg/Kg	1	12/23/2008 04:15 PM
Copper	73	0.26	2.0		mg/Kg	1	12/23/2008 04:15 PM
Lead	25	0.11	1.0		mg/Kg	1	12/23/2008 04:15 PM
Molybdenum	0.92	0.043	1.0	J	mg/Kg	1	12/23/2008 04:15 PM
Nickel	5.2	0.032	1.0		mg/Kg	1	12/23/2008 04:15 PM
Selenium	0.46	0.43	1.0	J	mg/Kg	1	12/23/2008 04:15 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 04:15 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 04:15 PM
Vanadium	19	0.019	1.0		mg/Kg	1	12/23/2008 04:15 PM
Zinc	170	0.19	1.0		mg/Kg	1	12/23/2008 04:15 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 02:42 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 02:42 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 02:42 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 02:42 PM
Aroclor 1248	79	2.5	16		µg/Kg	1	12/18/2008 02:42 PM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/18/2008 02:42 PM
Aroclor 1260	26	4.2	16		µg/Kg	1	12/18/2008 02:42 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 02:42 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 02:42 PM
Surr: Decachlorobiphenyl	70.9	0	30-124		%REC	1	12/18/2008 02:42 PM
Surr: Tetrachloro-m-xylene	101	0	40-118		%REC	1	12/18/2008 02:42 PM
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217G**	QC Batch: **51173**				PrepDate: **12/16/2008**	Analyst: **AMT**	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	54CH_OS_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 2:10:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-004A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217G**	QC Batch: **51173**				PrepDate: **12/16/2008**		Analyst: **AMT**
Mercury	0.23	0.038	0.10		mg/Kg	1	12/17/2008 05:32 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	54CH_90SE_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 2:25:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-005A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223E**	QC Batch: **51176**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	8.0	0.28	2.0		mg/Kg	1	12/23/2008 04:20 PM
Arsenic	2.1	0.27	1.0		mg/Kg	1	12/23/2008 04:20 PM
Barium	13	0.13	1.0		mg/Kg	1	12/23/2008 04:20 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 04:20 PM
Cadmium	0.31	0.0064	1.0	J	mg/Kg	1	12/23/2008 04:20 PM
Chromium	14	0.088	1.0		mg/Kg	1	12/23/2008 04:20 PM
Cobalt	1.2	0.014	1.0		mg/Kg	1	12/23/2008 04:20 PM
Copper	53	0.26	2.0		mg/Kg	1	12/23/2008 04:20 PM
Lead	11	0.11	1.0		mg/Kg	1	12/23/2008 04:20 PM
Molybdenum	0.53	0.043	1.0	J	mg/Kg	1	12/23/2008 04:20 PM
Nickel	5.3	0.032	1.0		mg/Kg	1	12/23/2008 04:20 PM
Selenium	ND	0.43	1.0		mg/Kg	1	12/23/2008 04:20 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 04:20 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 04:20 PM
Vanadium	10	0.019	1.0		mg/Kg	1	12/23/2008 04:20 PM
Zinc	84	0.19	1.0		mg/Kg	1	12/23/2008 04:20 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 03:12 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 03:12 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 03:12 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 03:12 PM
Aroclor 1248	420	25	160		µg/Kg	10	12/19/2008 03:05 AM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/18/2008 03:12 PM
Aroclor 1260	59	4.2	16		µg/Kg	1	12/18/2008 03:12 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 03:12 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 03:12 PM
Surr: Decachlorobiphenyl	34.9	0	30-124		%REC	1	12/18/2008 03:12 PM
Surr: Decachlorobiphenyl	47.2	0	30-124		%REC	10	12/19/2008 03:05 AM
Surr: Tetrachloro-m-xylene	68.6	0	40-118		%REC	10	12/19/2008 03:05 AM
Surr: Tetrachloro-m-xylene	61.3	0	40-118		%REC	1	12/18/2008 03:12 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	54CH_90SE_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 2:25:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-005A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217G**	QC Batch: **51173**				PrepDate: **12/16/2008**		Analyst: **AMT**
Mercury	0.37	0.038	0.10		mg/Kg	1	12/17/2008 05:34 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	54CH_75SW_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 2:32:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-006A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223E**	QC Batch: **51176**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	ND	0.28	2.0		mg/Kg	1	12/23/2008 04:25 PM
Arsenic	1.9	0.27	1.0		mg/Kg	1	12/23/2008 04:25 PM
Barium	34	0.13	1.0		mg/Kg	1	12/23/2008 04:25 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 04:25 PM
Cadmium	0.30	0.0064	1.0	J	mg/Kg	1	12/23/2008 04:25 PM
Chromium	20	0.088	1.0		mg/Kg	1	12/23/2008 04:25 PM
Cobalt	2.2	0.014	1.0		mg/Kg	1	12/23/2008 04:25 PM
Copper	32	0.26	2.0		mg/Kg	1	12/23/2008 04:25 PM
Lead	23	0.11	1.0		mg/Kg	1	12/23/2008 04:25 PM
Molybdenum	0.13	0.043	1.0	J	mg/Kg	1	12/23/2008 04:25 PM
Nickel	4.0	0.032	1.0		mg/Kg	1	12/23/2008 04:25 PM
Selenium	0.62	0.43	1.0	J	mg/Kg	1	12/23/2008 04:25 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 04:25 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 04:25 PM
Vanadium	20	0.019	1.0		mg/Kg	1	12/23/2008 04:25 PM
Zinc	69	0.19	1.0		mg/Kg	1	12/23/2008 04:25 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 03:41 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 03:41 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 03:41 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 03:41 PM
Aroclor 1248	ND	2.5	16		µg/Kg	1	12/18/2008 03:41 PM
Aroclor 1254	88	1.8	16		µg/Kg	1	12/18/2008 03:41 PM
Aroclor 1260	ND	4.2	16		µg/Kg	1	12/18/2008 03:41 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 03:41 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 03:41 PM
Surr: Decachlorobiphenyl	75.4	0	30-124		%REC	1	12/18/2008 03:41 PM
Surr: Tetrachloro-m-xylene	94.7	0	40-118		%REC	1	12/18/2008 03:41 PM
MERCURY BY COLD VAPOR TECHNIQUE							
					EPA 7471A		
RunID: **AA1_081217G**	QC Batch: **51173**				PrepDate: **12/16/2008**	Analyst: **AMT**	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	54CH_75SW_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 2:32:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-006A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217G**	QC Batch: **51173**				PrepDate: **12/16/2008**		Analyst: **AMT**
Mercury	0.23	0.038	0.10		mg/Kg	1	12/17/2008 05:36 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	30ECH_OS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:02:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-007A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223E**	QC Batch: **51176**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	0.76	0.28	2.0	J	mg/Kg	1	12/23/2008 04:30 PM
Arsenic	4.1	0.27	1.0		mg/Kg	1	12/23/2008 04:30 PM
Barium	40	0.13	1.0		mg/Kg	1	12/23/2008 04:30 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 04:30 PM
Cadmium	0.25	0.0064	1.0	J	mg/Kg	1	12/23/2008 04:30 PM
Chromium	17	0.088	1.0		mg/Kg	1	12/23/2008 04:30 PM
Cobalt	2.8	0.014	1.0		mg/Kg	1	12/23/2008 04:30 PM
Copper	60	0.26	2.0		mg/Kg	1	12/23/2008 04:30 PM
Lead	38	0.11	1.0		mg/Kg	1	12/23/2008 04:30 PM
Molybdenum	1.4	0.043	1.0		mg/Kg	1	12/23/2008 04:30 PM
Nickel	6.7	0.032	1.0		mg/Kg	1	12/23/2008 04:30 PM
Selenium	0.82	0.43	1.0	J	mg/Kg	1	12/23/2008 04:30 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 04:30 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 04:30 PM
Vanadium	15	0.019	1.0		mg/Kg	1	12/23/2008 04:30 PM
Zinc	160	0.19	1.0		mg/Kg	1	12/23/2008 04:30 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 04:11 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 04:11 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 04:11 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 04:11 PM
Aroclor 1248	46	2.5	16		µg/Kg	1	12/18/2008 04:11 PM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/18/2008 04:11 PM
Aroclor 1260	ND	4.2	16		µg/Kg	1	12/18/2008 04:11 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 04:11 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 04:11 PM
Surr: Decachlorobiphenyl	62.2	0	30-124		%REC	1	12/18/2008 04:11 PM
Surr: Tetrachloro-m-xylene	74.5	0	40-118		%REC	1	12/18/2008 04:11 PM
MERCURY BY COLD VAPOR TECHNIQUE							
					EPA 7471A		
RunID: **AA1_081217G**	QC Batch: **51173**				PrepDate: **12/16/2008**	Analyst: **AMT**	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	30ECH_OS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:02:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-007A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217G**	QC Batch: **51173**				PrepDate: **12/16/2008**		Analyst: **AMT**
Mercury	ND	0.038	0.10		mg/Kg	1	12/17/2008 05:38 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_66S_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 2:54:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-008A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223E**	QC Batch: **51176**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	0.30	0.28	2.0	J	mg/Kg	1	12/23/2008 04:44 PM
Arsenic	8.1	0.27	1.0		mg/Kg	1	12/23/2008 04:44 PM
Barium	16	0.13	1.0		mg/Kg	1	12/23/2008 04:44 PM
Beryllium	0.19	0.055	1.0	J	mg/Kg	1	12/23/2008 04:44 PM
Cadmium	0.28	0.0064	1.0	J	mg/Kg	1	12/23/2008 04:44 PM
Chromium	14	0.088	1.0		mg/Kg	1	12/23/2008 04:44 PM
Cobalt	1.4	0.014	1.0		mg/Kg	1	12/23/2008 04:44 PM
Copper	14	0.26	2.0		mg/Kg	1	12/23/2008 04:44 PM
Lead	7.6	0.11	1.0		mg/Kg	1	12/23/2008 04:44 PM
Molybdenum	0.82	0.043	1.0	J	mg/Kg	1	12/23/2008 04:44 PM
Nickel	3.0	0.032	1.0		mg/Kg	1	12/23/2008 04:44 PM
Selenium	ND	0.43	1.0		mg/Kg	1	12/23/2008 04:44 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 04:44 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 04:44 PM
Vanadium	10	0.019	1.0		mg/Kg	1	12/23/2008 04:44 PM
Zinc	49	0.19	1.0		mg/Kg	1	12/23/2008 04:44 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 04:41 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 04:41 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 04:41 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 04:41 PM
Aroclor 1248	10000	250	1600		µg/Kg	100	12/19/2008 01:59 PM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/18/2008 04:41 PM
Aroclor 1260	230	4.2	16		µg/Kg	1	12/18/2008 04:41 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 04:41 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 04:41 PM
Surr: Decachlorobiphenyl	70.3	0	30-124		%REC	1	12/18/2008 04:41 PM
Surr: Decachlorobiphenyl	0	0	30-124	SDO	%REC	100	12/19/2008 01:59 PM
Surr: Tetrachloro-m-xylene	0	0	40-118	SDO	%REC	100	12/19/2008 01:59 PM
Surr: Tetrachloro-m-xylene	104	0	40-118		%REC	1	12/18/2008 04:41 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_66S_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 2:54:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-008A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217G**	QC Batch: **51173**				PrepDate: **12/16/2008**		Analyst: **AMT**
Mercury	ND	0.038	0.10		mg/Kg	1	12/17/2008 05:44 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Convair 01_CS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 2:59:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-009A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223E**	QC Batch: **51176**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	0.48	0.28	2.0	J	mg/Kg	1	12/23/2008 04:50 PM
Arsenic	3.3	0.27	1.0		mg/Kg	1	12/23/2008 04:50 PM
Barium	36	0.13	1.0		mg/Kg	1	12/23/2008 04:50 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 04:50 PM
Cadmium	0.63	0.0064	1.0	J	mg/Kg	1	12/23/2008 04:50 PM
Chromium	40	0.088	1.0		mg/Kg	1	12/23/2008 04:50 PM
Cobalt	2.3	0.014	1.0		mg/Kg	1	12/23/2008 04:50 PM
Copper	47	0.26	2.0		mg/Kg	1	12/23/2008 04:50 PM
Lead	34	0.11	1.0		mg/Kg	1	12/23/2008 04:50 PM
Molybdenum	2.2	0.043	1.0		mg/Kg	1	12/23/2008 04:50 PM
Nickel	5.3	0.032	1.0		mg/Kg	1	12/23/2008 04:50 PM
Selenium	0.50	0.43	1.0	J	mg/Kg	1	12/23/2008 04:50 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 04:50 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 04:50 PM
Vanadium	14	0.019	1.0		mg/Kg	1	12/23/2008 04:50 PM
Zinc	190	0.19	1.0		mg/Kg	1	12/23/2008 04:50 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 05:11 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 05:11 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 05:11 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 05:11 PM
Aroclor 1248	160	2.5	16		µg/Kg	1	12/18/2008 05:11 PM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/18/2008 05:11 PM
Aroclor 1260	35	4.2	16		µg/Kg	1	12/18/2008 05:11 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 05:11 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 05:11 PM
Surr: Decachlorobiphenyl	72.7	0	30-124		%REC	1	12/18/2008 05:11 PM
Surr: Tetrachloro-m-xylene	93.5	0	40-118		%REC	1	12/18/2008 05:11 PM
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217G**	QC Batch: **51173**				PrepDate: **12/16/2008**	Analyst: **AMT**	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Convair 01_CS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 2:59:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-009A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217G**	QC Batch: **51173**				PrepDate: **12/16/2008**	Analyst: **AMT**	
Mercury	0.098	0.038	0.10	J	mg/Kg	1	12/17/2008 05:46 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Convair 02_CS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:03:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-010A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223E**	QC Batch: **51176**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	ND	0.28	2.0		mg/Kg	1	12/23/2008 04:54 PM
Arsenic	3.5	0.27	1.0		mg/Kg	1	12/23/2008 04:54 PM
Barium	57	0.13	1.0		mg/Kg	1	12/23/2008 04:54 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 04:54 PM
Cadmium	0.71	0.0064	1.0	J	mg/Kg	1	12/23/2008 04:54 PM
Chromium	40	0.088	1.0		mg/Kg	1	12/23/2008 04:54 PM
Cobalt	2.6	0.014	1.0		mg/Kg	1	12/23/2008 04:54 PM
Copper	47	0.26	2.0		mg/Kg	1	12/23/2008 04:54 PM
Lead	37	0.11	1.0		mg/Kg	1	12/23/2008 04:54 PM
Molybdenum	1.0	0.043	1.0		mg/Kg	1	12/23/2008 04:54 PM
Nickel	6.1	0.032	1.0		mg/Kg	1	12/23/2008 04:54 PM
Selenium	0.46	0.43	1.0	J	mg/Kg	1	12/23/2008 04:54 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 04:54 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 04:54 PM
Vanadium	15	0.019	1.0		mg/Kg	1	12/23/2008 04:54 PM
Zinc	210	0.19	1.0		mg/Kg	1	12/23/2008 04:54 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 05:40 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 05:40 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 05:40 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 05:40 PM
Aroclor 1248	770	25	160		µg/Kg	10	12/19/2008 05:34 AM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/18/2008 05:40 PM
Aroclor 1260	140	4.2	16		µg/Kg	1	12/18/2008 05:40 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 05:40 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 05:40 PM
Surr: Decachlorobiphenyl	67.2	0	30-124		%REC	1	12/18/2008 05:40 PM
Surr: Decachlorobiphenyl	84.4	0	30-124		%REC	10	12/19/2008 05:34 AM
Surr: Tetrachloro-m-xylene	73.2	0	40-118		%REC	10	12/19/2008 05:34 AM
Surr: Tetrachloro-m-xylene	87.2	0	40-118		%REC	1	12/18/2008 05:40 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Convair 02_CS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:03:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-010A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217G**	QC Batch: **51173**				PrepDate: **12/16/2008**	Analyst: **AMT**	
Mercury	0.097	0.038	0.10	J	mg/Kg	1	12/17/2008 05:48 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Convair 03_CS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:07:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-011A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223E**	QC Batch: **51176**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	0.40	0.28	2.0	J	mg/Kg	1	12/23/2008 04:59 PM
Arsenic	4.5	0.27	1.0		mg/Kg	1	12/23/2008 04:59 PM
Barium	42	0.13	1.0		mg/Kg	1	12/23/2008 04:59 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 04:59 PM
Cadmium	0.88	0.0064	1.0	J	mg/Kg	1	12/23/2008 04:59 PM
Chromium	90	0.088	1.0		mg/Kg	1	12/23/2008 04:59 PM
Cobalt	3.1	0.014	1.0		mg/Kg	1	12/23/2008 04:59 PM
Copper	59	0.26	2.0		mg/Kg	1	12/23/2008 04:59 PM
Lead	49	0.11	1.0		mg/Kg	1	12/23/2008 04:59 PM
Molybdenum	1.6	0.043	1.0		mg/Kg	1	12/23/2008 04:59 PM
Nickel	9.4	0.032	1.0		mg/Kg	1	12/23/2008 04:59 PM
Selenium	0.55	0.43	1.0	J	mg/Kg	1	12/23/2008 04:59 PM
Silver	0.048	0.017	1.0	J	mg/Kg	1	12/23/2008 04:59 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 04:59 PM
Vanadium	20	0.019	1.0		mg/Kg	1	12/23/2008 04:59 PM
Zinc	180	0.19	1.0		mg/Kg	1	12/23/2008 04:59 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 06:10 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 06:10 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 06:10 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 06:10 PM
Aroclor 1248	4400	130	820		µg/Kg	50	12/19/2008 02:47 PM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/18/2008 06:10 PM
Aroclor 1260	160	4.2	16		µg/Kg	1	12/18/2008 06:10 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 06:10 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 06:10 PM
Surr: Decachlorobiphenyl	57.9	0	30-124		%REC	1	12/18/2008 06:10 PM
Surr: Decachlorobiphenyl	0	0	30-124	SDO	%REC	50	12/19/2008 02:47 PM
Surr: Tetrachloro-m-xylene	0	0	40-118	SDO	%REC	50	12/19/2008 02:47 PM
Surr: Tetrachloro-m-xylene	74.3	0	40-118		%REC	1	12/18/2008 06:10 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Convair 03_CS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:07:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-011A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217G**	QC Batch: **51173**				PrepDate: **12/16/2008**	Analyst: **AMT**	
Mercury	0.095	0.038	0.10	J	mg/Kg	1	12/17/2008 05:23 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Convair 04_CS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:11:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-012A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223F**	QC Batch: **51178**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	0.62	0.28	2.0	J	mg/Kg	1	12/23/2008 05:29 PM
Arsenic	4.5	0.27	1.0		mg/Kg	1	12/23/2008 05:29 PM
Barium	49	0.13	1.0		mg/Kg	1	12/23/2008 05:29 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 05:29 PM
Cadmium	0.85	0.0064	1.0	J	mg/Kg	1	12/23/2008 05:29 PM
Chromium	64	0.088	1.0		mg/Kg	1	12/23/2008 05:29 PM
Cobalt	3.2	0.014	1.0		mg/Kg	1	12/23/2008 05:29 PM
Copper	59	0.26	2.0		mg/Kg	1	12/23/2008 05:29 PM
Lead	45	0.11	1.0		mg/Kg	1	12/23/2008 05:29 PM
Molybdenum	1.5	0.043	1.0		mg/Kg	1	12/23/2008 05:29 PM
Nickel	7.1	0.032	1.0		mg/Kg	1	12/23/2008 05:29 PM
Selenium	0.82	0.43	1.0	J	mg/Kg	1	12/23/2008 05:29 PM
Silver	0.13	0.017	1.0	J	mg/Kg	1	12/23/2008 05:29 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 05:29 PM
Vanadium	21	0.019	1.0		mg/Kg	1	12/23/2008 05:29 PM
Zinc	270	0.19	1.0		mg/Kg	1	12/23/2008 05:29 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 06:40 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 06:40 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 06:40 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 06:40 PM
Aroclor 1248	1100	25	160		µg/Kg	10	12/19/2008 06:33 AM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/18/2008 06:40 PM
Aroclor 1260	150	4.2	16		µg/Kg	1	12/18/2008 06:40 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 06:40 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 06:40 PM
Surr: Decachlorobiphenyl	63.6	0	30-124		%REC	1	12/18/2008 06:40 PM
Surr: Decachlorobiphenyl	86.9	0	30-124		%REC	10	12/19/2008 06:33 AM
Surr: Tetrachloro-m-xylene	76.0	0	40-118		%REC	10	12/19/2008 06:33 AM
Surr: Tetrachloro-m-xylene	92.3	0	40-118		%REC	1	12/18/2008 06:40 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Convair 04_CS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:11:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-012A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217H**	QC Batch: **51175**				PrepDate: **12/16/2008**		Analyst: **AMT**
Mercury	0.16	0.038	0.10		mg/Kg	1	12/17/2008 06:08 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Convair 05_CS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:15:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-013A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223F**	QC Batch: **51178**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	0.34	0.28	2.0	J	mg/Kg	1	12/23/2008 05:47 PM
Arsenic	4.3	0.27	1.0		mg/Kg	1	12/23/2008 05:47 PM
Barium	53	0.13	1.0		mg/Kg	1	12/23/2008 05:47 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 05:47 PM
Cadmium	0.84	0.0064	1.0	J	mg/Kg	1	12/23/2008 05:47 PM
Chromium	46	0.088	1.0		mg/Kg	1	12/23/2008 05:47 PM
Cobalt	2.8	0.014	1.0		mg/Kg	1	12/23/2008 05:47 PM
Copper	58	0.26	2.0		mg/Kg	1	12/23/2008 05:47 PM
Lead	45	0.11	1.0		mg/Kg	1	12/23/2008 05:47 PM
Molybdenum	1.3	0.043	1.0		mg/Kg	1	12/23/2008 05:47 PM
Nickel	7.2	0.032	1.0		mg/Kg	1	12/23/2008 05:47 PM
Selenium	ND	0.43	1.0		mg/Kg	1	12/23/2008 05:47 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 05:47 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 05:47 PM
Vanadium	20	0.019	1.0		mg/Kg	1	12/23/2008 05:47 PM
Zinc	180	0.19	1.0		mg/Kg	1	12/23/2008 05:47 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 07:09 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 07:09 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 07:09 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 07:09 PM
Aroclor 1248	660	25	160		µg/Kg	10	12/19/2008 09:02 AM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/18/2008 07:09 PM
Aroclor 1260	75	4.2	16		µg/Kg	1	12/18/2008 07:09 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 07:09 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 07:09 PM
Surr: Decachlorobiphenyl	67.0	0	30-124		%REC	1	12/18/2008 07:09 PM
Surr: Decachlorobiphenyl	85.3	0	30-124		%REC	10	12/19/2008 09:02 AM
Surr: Tetrachloro-m-xylene	67.2	0	40-118		%REC	10	12/19/2008 09:02 AM
Surr: Tetrachloro-m-xylene	80.6	0	40-118		%REC	1	12/18/2008 07:09 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Convair 05_CS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:15:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-013A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217H**	QC Batch: **51175**				PrepDate: **12/16/2008**		Analyst: **AMT**
Mercury	0.11	0.038	0.10		mg/Kg	1	12/17/2008 06:13 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_OW_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:18:00 PM
Project:	TRA, 32022-100	**Matrix:**	WATER
Lab ID:	102694-014A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_081218A** QC Batch: **A08VW352** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.12	0.50		µg/L	1	12/18/2008 01:16 PM
1,1,1-Trichloroethane	ND	0.14	0.50		µg/L	1	12/18/2008 01:16 PM
1,1,2,2-Tetrachloroethane	ND	0.34	0.50		µg/L	1	12/18/2008 01:16 PM
1,1,2-Trichloroethane	ND	0.13	0.50		µg/L	1	12/18/2008 01:16 PM
1,1-Dichloroethane	ND	0.12	0.50		µg/L	1	12/18/2008 01:16 PM
1,1-Dichloroethene	1.4	0.23	0.50		µg/L	1	12/18/2008 01:16 PM
1,1-Dichloropropene	ND	0.17	0.50		µg/L	1	12/18/2008 01:16 PM
1,2,3-Trichlorobenzene	ND	0.11	0.50		µg/L	1	12/18/2008 01:16 PM
1,2,3-Trichloropropane	ND	0.24	0.50		µg/L	1	12/18/2008 01:16 PM
1,2,4-Trichlorobenzene	ND	0.14	0.50		µg/L	1	12/18/2008 01:16 PM
1,2,4-Trimethylbenzene	ND	0.11	0.50		µg/L	1	12/18/2008 01:16 PM
1,2-Dibromo-3-chloropropane	ND	0.39	0.50		µg/L	1	12/18/2008 01:16 PM
1,2-Dibromoethane	ND	0.20	0.50		µg/L	1	12/18/2008 01:16 PM
1,2-Dichlorobenzene	ND	0.16	0.50		µg/L	1	12/18/2008 01:16 PM
1,2-Dichloroethane	ND	0.10	0.50		µg/L	1	12/18/2008 01:16 PM
1,2-Dichloropropane	ND	0.12	0.50		µg/L	1	12/18/2008 01:16 PM
1,3,5-Trimethylbenzene	ND	0.12	0.50		µg/L	1	12/18/2008 01:16 PM
1,3-Dichlorobenzene	ND	0.16	0.50		µg/L	1	12/18/2008 01:16 PM
1,3-Dichloropropane	ND	0.090	0.50		µg/L	1	12/18/2008 01:16 PM
1,4-Dichlorobenzene	ND	0.16	0.50		µg/L	1	12/18/2008 01:16 PM
2,2-Dichloropropane	ND	0.18	0.50		µg/L	1	12/18/2008 01:16 PM
2-Chlorotoluene	ND	0.11	0.50		µg/L	1	12/18/2008 01:16 PM
4-Chlorotoluene	ND	0.14	0.50		µg/L	1	12/18/2008 01:16 PM
4-Isopropyltoluene	ND	0.12	0.50		µg/L	1	12/18/2008 01:16 PM
Benzene	ND	0.080	0.50		µg/L	1	12/18/2008 01:16 PM
Bromobenzene	ND	0.11	0.50		µg/L	1	12/18/2008 01:16 PM
Bromodichloromethane	ND	0.15	0.50		µg/L	1	12/18/2008 01:16 PM
Bromoform	ND	0.13	0.50		µg/L	1	12/18/2008 01:16 PM
Bromomethane	ND	0.42	0.50		µg/L	1	12/18/2008 01:16 PM
Carbon tetrachloride	ND	0.17	0.50		µg/L	1	12/18/2008 01:16 PM
Chlorobenzene	ND	0.090	0.50		µg/L	1	12/18/2008 01:16 PM
Chloroethane	ND	0.25	0.50		µg/L	1	12/18/2008 01:16 PM
Chloroform	ND	0.12	0.50		µg/L	1	12/18/2008 01:16 PM
Chloromethane	ND	0.14	0.50		µg/L	1	12/18/2008 01:16 PM
cis-1,2-Dichloroethene	3.5	0.13	0.50		µg/L	1	12/18/2008 01:16 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_OW_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:18:00 PM
Project:	TRA, 32022-100	**Matrix:**	WATER
Lab ID:	102694-014A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS11_081218A**	QC Batch: **A08VW352**				PrepDate:		Analyst: **SLL**
cis-1,3-Dichloropropene	ND	0.10	0.50		µg/L	1	12/18/2008 01:16 PM
Dibromochloromethane	ND	0.14	0.50		µg/L	1	12/18/2008 01:16 PM
Dibromomethane	ND	0.14	0.50		µg/L	1	12/18/2008 01:16 PM
Dichlorodifluoromethane	ND	0.46	0.50		µg/L	1	12/18/2008 01:16 PM
Ethylbenzene	ND	0.12	0.50		µg/L	1	12/18/2008 01:16 PM
Hexachlorobutadiene	ND	0.19	0.50		µg/L	1	12/18/2008 01:16 PM
Isopropylbenzene	ND	0.13	0.50		µg/L	1	12/18/2008 01:16 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	12/18/2008 01:16 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	12/18/2008 01:16 PM
n-Butylbenzene	ND	0.14	0.50		µg/L	1	12/18/2008 01:16 PM
n-Propylbenzene	ND	0.12	0.50		µg/L	1	12/18/2008 01:16 PM
Naphthalene	ND	0.16	0.50		µg/L	1	12/18/2008 01:16 PM
o-Xylene	ND	0.18	0.50		µg/L	1	12/18/2008 01:16 PM
sec-Butylbenzene	ND	0.15	0.50		µg/L	1	12/18/2008 01:16 PM
Styrene	ND	0.15	0.50		µg/L	1	12/18/2008 01:16 PM
tert-Butylbenzene	ND	0.12	0.50		µg/L	1	12/18/2008 01:16 PM
Tetrachloroethene	2.6	0.18	0.50		µg/L	1	12/18/2008 01:16 PM
Toluene	ND	0.17	0.50		µg/L	1	12/18/2008 01:16 PM
trans-1,2-Dichloroethene	ND	0.12	0.50		µg/L	1	12/18/2008 01:16 PM
Trichloroethene	3.8	0.12	0.50		µg/L	1	12/18/2008 01:16 PM
Trichlorofluoromethane	ND	0.50	0.50		µg/L	1	12/18/2008 01:16 PM
Vinyl chloride	1.4	0.17	0.50		µg/L	1	12/18/2008 01:16 PM
Surr: 1,2-Dichloroethane-d4	105	0	70-130		%REC	1	12/18/2008 01:16 PM
Surr: 4-Bromofluorobenzene	95.2	0	70-130		%REC	1	12/18/2008 01:16 PM
Surr: Dibromofluoromethane	102	0	70-130		%REC	1	12/18/2008 01:16 PM
Surr: Toluene-d8	104	0	70-130		%REC	1	12/18/2008 01:16 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_OW_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:18:00 PM
Project:	TRA, 32022-100	**Matrix:**	WATER
Lab ID:	102694-014B		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B(M)				
RunID: **GC6_081218A**	QC Batch: **I08VW230**				PrepDate:		Analyst: **DDL**
GRO	ND	0.050	0.20		mg/L	1	12/18/2008 01:53 PM
Surr: Bromofluorobenzene (FID)	101	0	71-130		%REC	1	12/18/2008 01:53 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID							
			EPA 8021B				
RunID: **GC6_081218A**	QC Batch: **I08VW230**				PrepDate:		Analyst: **DDL**
Benzene	ND	0.30	0.50		µg/L	1	12/18/2008 01:53 PM
Ethylbenzene	ND	0.32	0.50		µg/L	1	12/18/2008 01:53 PM
m,p-Xylene	ND	0.61	1.0		µg/L	1	12/18/2008 01:53 PM
o-Xylene	ND	0.31	0.50		µg/L	1	12/18/2008 01:53 PM
Toluene	ND	0.28	0.50		µg/L	1	12/18/2008 01:53 PM
Surr: Bromofluorobenzene (PID)	94.8	1.0	73-127		%REC	1	12/18/2008 01:53 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_OW_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:18:00 PM
Project:	TRA, 32022-100	**Matrix:**	WATER
Lab ID:	102694-014C		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID							
	EPA 3510C		**EPA 8015B(M)**				
RunID: **GC16_081219A**	QC Batch: **51301**				PrepDate: **12/18/2008**		Analyst: **CBR**
DRO	ND	0.40	0.40		mg/L	1	12/19/2008 11:11 AM
Surr: p-Terphenyl	87.3	0	35-131		%REC	1	12/19/2008 11:11 AM
PCBS BY GC/ECD							
	EPA 3510C		**EPA 8082**				
RunID: **GC4_081218B**	QC Batch: **51288**				PrepDate: **12/18/2008**		Analyst: **HL**
Aroclor 1016	ND	0.039	0.50		µg/L	1	12/18/2008 10:33 PM
Aroclor 1221	ND	0.091	1.0		µg/L	1	12/18/2008 10:33 PM
Aroclor 1232	ND	0.082	0.50		µg/L	1	12/18/2008 10:33 PM
Aroclor 1242	ND	0.092	0.50		µg/L	1	12/18/2008 10:33 PM
Aroclor 1248	ND	0.096	0.50		µg/L	1	12/18/2008 10:33 PM
Aroclor 1254	ND	0.074	0.50		µg/L	1	12/18/2008 10:33 PM
Aroclor 1260	ND	0.053	0.50		µg/L	1	12/18/2008 10:33 PM
Aroclor 1262	ND	0.099	0.50		µg/L	1	12/18/2008 10:33 PM
Aroclor 1268	ND	0.094	0.50		µg/L	1	12/18/2008 10:33 PM
Surr: Decachlorobiphenyl	78.2	0	29-130		%REC	1	12/18/2008 10:33 PM
Surr: Tetrachloro-m-xylene	74.9	0	48-126		%REC	1	12/18/2008 10:33 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_93S_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 4:10:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-016A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223F**	QC Batch: **51178**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	ND	0.28	2.0		mg/Kg	1	12/23/2008 05:52 PM
Arsenic	5.5	0.27	1.0		mg/Kg	1	12/23/2008 05:52 PM
Barium	23	0.13	1.0		mg/Kg	1	12/23/2008 05:52 PM
Beryllium	0.088	0.055	1.0	J	mg/Kg	1	12/23/2008 05:52 PM
Cadmium	0.23	0.0064	1.0	J	mg/Kg	1	12/23/2008 05:52 PM
Chromium	12	0.088	1.0		mg/Kg	1	12/23/2008 05:52 PM
Cobalt	1.5	0.014	1.0		mg/Kg	1	12/23/2008 05:52 PM
Copper	11	0.26	2.0		mg/Kg	1	12/23/2008 05:52 PM
Lead	11	0.11	1.0		mg/Kg	1	12/23/2008 05:52 PM
Molybdenum	0.66	0.043	1.0	J	mg/Kg	1	12/23/2008 05:52 PM
Nickel	2.2	0.032	1.0		mg/Kg	1	12/23/2008 05:52 PM
Selenium	ND	0.43	1.0		mg/Kg	1	12/23/2008 05:52 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 05:52 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 05:52 PM
Vanadium	9.9	0.019	1.0		mg/Kg	1	12/23/2008 05:52 PM
Zinc	55	0.19	1.0		mg/Kg	1	12/23/2008 05:52 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 07:39 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 07:39 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 07:39 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 07:39 PM
Aroclor 1248	1000	25	160		µg/Kg	10	12/19/2008 09:32 AM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/18/2008 07:39 PM
Aroclor 1260	160	4.2	16		µg/Kg	1	12/18/2008 07:39 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 07:39 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 07:39 PM
Surr: Decachlorobiphenyl	65.6	0	30-124		%REC	1	12/18/2008 07:39 PM
Surr: Decachlorobiphenyl	85.6	0	30-124		%REC	10	12/19/2008 09:32 AM
Surr: Tetrachloro-m-xylene	76.3	0	40-118		%REC	10	12/19/2008 09:32 AM
Surr: Tetrachloro-m-xylene	91.6	0	40-118		%REC	1	12/18/2008 07:39 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_93S_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 4:10:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-016A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217H**	QC Batch: **51175**				PrepDate: **12/16/2008**		Analyst: **AMT**
Mercury	ND	0.038	0.10		mg/Kg	1	12/17/2008 06:15 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_150S_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 4:15:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-017A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223F**	QC Batch: **51178**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	ND	0.28	2.0		mg/Kg	1	12/23/2008 05:56 PM
Arsenic	3.7	0.27	1.0		mg/Kg	1	12/23/2008 05:56 PM
Barium	32	0.13	1.0		mg/Kg	1	12/23/2008 05:56 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 05:56 PM
Cadmium	0.76	0.0064	1.0	J	mg/Kg	1	12/23/2008 05:56 PM
Chromium	100	0.088	1.0		mg/Kg	1	12/23/2008 05:56 PM
Cobalt	2.5	0.014	1.0		mg/Kg	1	12/23/2008 05:56 PM
Copper	49	0.26	2.0		mg/Kg	1	12/23/2008 05:56 PM
Lead	52	0.11	1.0		mg/Kg	1	12/23/2008 05:56 PM
Molybdenum	1.4	0.043	1.0		mg/Kg	1	12/23/2008 05:56 PM
Nickel	6.2	0.032	1.0		mg/Kg	1	12/23/2008 05:56 PM
Selenium	0.50	0.43	1.0	J	mg/Kg	1	12/23/2008 05:56 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 05:56 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 05:56 PM
Vanadium	16	0.019	1.0		mg/Kg	1	12/23/2008 05:56 PM
Zinc	170	0.19	1.0		mg/Kg	1	12/23/2008 05:56 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 10:08 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 10:08 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 10:08 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 10:08 PM
Aroclor 1248	920	25	160		µg/Kg	10	12/19/2008 10:01 AM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/18/2008 10:08 PM
Aroclor 1260	120	4.2	16		µg/Kg	1	12/18/2008 10:08 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 10:08 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 10:08 PM
Surr: Decachlorobiphenyl	64.8	0	30-124		%REC	1	12/18/2008 10:08 PM
Surr: Decachlorobiphenyl	89.4	0	30-124		%REC	10	12/19/2008 10:01 AM
Surr: Tetrachloro-m-xylene	83.6	0	40-118		%REC	10	12/19/2008 10:01 AM
Surr: Tetrachloro-m-xylene	97.6	0	40-118		%REC	1	12/18/2008 10:08 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_150S_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 4:15:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-017A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217H**	QC Batch: **51175**				PrepDate: **12/16/2008**	Analyst: **AMT**	
Mercury	0.094	0.038	0.10	J	mg/Kg	1	12/17/2008 06:17 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	15CH_OS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:29:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-018A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223F**	QC Batch: **51178**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	ND	0.28	2.0		mg/Kg	1	12/23/2008 06:01 PM
Arsenic	3.0	0.27	1.0		mg/Kg	1	12/23/2008 06:01 PM
Barium	7.1	0.13	1.0		mg/Kg	1	12/23/2008 06:01 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 06:01 PM
Cadmium	0.14	0.0064	1.0	J	mg/Kg	1	12/23/2008 06:01 PM
Chromium	25	0.088	1.0		mg/Kg	1	12/23/2008 06:01 PM
Cobalt	0.71	0.014	1.0	J	mg/Kg	1	12/23/2008 06:01 PM
Copper	7.7	0.26	2.0		mg/Kg	1	12/23/2008 06:01 PM
Lead	8.6	0.11	1.0		mg/Kg	1	12/23/2008 06:01 PM
Molybdenum	0.15	0.043	1.0	J	mg/Kg	1	12/23/2008 06:01 PM
Nickel	2.4	0.032	1.0		mg/Kg	1	12/23/2008 06:01 PM
Selenium	ND	0.43	1.0		mg/Kg	1	12/23/2008 06:01 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 06:01 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 06:01 PM
Vanadium	9.3	0.019	1.0		mg/Kg	1	12/23/2008 06:01 PM
Zinc	26	0.19	1.0		mg/Kg	1	12/23/2008 06:01 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 10:38 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 10:38 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 10:38 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 10:38 PM
Aroclor 1248	ND	2.5	16		µg/Kg	1	12/18/2008 10:38 PM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/18/2008 10:38 PM
Aroclor 1260	15	4.2	16	J	µg/Kg	1	12/18/2008 10:38 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 10:38 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 10:38 PM
Surr: Decachlorobiphenyl	59.8	0	30-124		%REC	1	12/18/2008 10:38 PM
Surr: Tetrachloro-m-xylene	84.9	0	40-118		%REC	1	12/18/2008 10:38 PM
MERCURY BY COLD VAPOR TECHNIQUE							
					EPA 7471A		
RunID: **AA1_081217H**	QC Batch: **51175**				PrepDate: **12/16/2008**	Analyst: **AMT**	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	15CH_OS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:29:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-018A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217H**	QC Batch: **51175**				PrepDate: **12/16/2008**		Analyst: **AMT**
Mercury	ND	0.038	0.10		mg/Kg	1	12/17/2008 06:19 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Coast Guard 01_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:31:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-019A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223F**	QC Batch: **51178**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	ND	0.28	2.0		mg/Kg	1	12/23/2008 06:05 PM
Arsenic	1.1	0.27	1.0		mg/Kg	1	12/23/2008 06:05 PM
Barium	4.8	0.13	1.0		mg/Kg	1	12/23/2008 06:05 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 06:05 PM
Cadmium	0.13	0.0064	1.0	J	mg/Kg	1	12/23/2008 06:05 PM
Chromium	8.5	0.088	1.0		mg/Kg	1	12/23/2008 06:05 PM
Cobalt	0.65	0.014	1.0	J	mg/Kg	1	12/23/2008 06:05 PM
Copper	7.6	0.26	2.0		mg/Kg	1	12/23/2008 06:05 PM
Lead	5.8	0.11	1.0		mg/Kg	1	12/23/2008 06:05 PM
Molybdenum	0.20	0.043	1.0	J	mg/Kg	1	12/23/2008 06:05 PM
Nickel	1.2	0.032	1.0		mg/Kg	1	12/23/2008 06:05 PM
Selenium	ND	0.43	1.0		mg/Kg	1	12/23/2008 06:05 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 06:05 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 06:05 PM
Vanadium	10	0.019	1.0		mg/Kg	1	12/23/2008 06:05 PM
Zinc	24	0.19	1.0		mg/Kg	1	12/23/2008 06:05 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 11:07 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 11:07 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 11:07 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 11:07 PM
Aroclor 1248	ND	2.5	16		µg/Kg	1	12/18/2008 11:07 PM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/18/2008 11:07 PM
Aroclor 1260	ND	4.2	16		µg/Kg	1	12/18/2008 11:07 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 11:07 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 11:07 PM
Surr: Decachlorobiphenyl	62.7	0	30-124		%REC	1	12/18/2008 11:07 PM
Surr: Tetrachloro-m-xylene	96.6	0	40-118		%REC	1	12/18/2008 11:07 PM
MERCURY BY COLD VAPOR TECHNIQUE							
					EPA 7471A		
RunID: **AA1_081217H**	QC Batch: **51175**				PrepDate: **12/16/2008**	Analyst: **AMT**	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Coast Guard 01_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:31:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-019A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217H**	QC Batch: **51175**				PrepDate: **12/16/2008**	Analyst: **AMT**	
Mercury	ND	0.038	0.10		mg/Kg	1	12/17/2008 06:21 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Coast Guard 02_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:33:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-020A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223F**	QC Batch: **51178**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	ND	0.28	2.0		mg/Kg	1	12/23/2008 06:10 PM
Arsenic	1.8	0.27	1.0		mg/Kg	1	12/23/2008 06:10 PM
Barium	3.0	0.13	1.0		mg/Kg	1	12/23/2008 06:10 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 06:10 PM
Cadmium	0.068	0.0064	1.0	J	mg/Kg	1	12/23/2008 06:10 PM
Chromium	4.3	0.088	1.0		mg/Kg	1	12/23/2008 06:10 PM
Cobalt	0.50	0.014	1.0	J	mg/Kg	1	12/23/2008 06:10 PM
Copper	3.7	0.26	2.0		mg/Kg	1	12/23/2008 06:10 PM
Lead	6.5	0.11	1.0		mg/Kg	1	12/23/2008 06:10 PM
Molybdenum	ND	0.043	1.0		mg/Kg	1	12/23/2008 06:10 PM
Nickel	0.90	0.032	1.0	J	mg/Kg	1	12/23/2008 06:10 PM
Selenium	ND	0.43	1.0		mg/Kg	1	12/23/2008 06:10 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 06:10 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 06:10 PM
Vanadium	6.8	0.019	1.0		mg/Kg	1	12/23/2008 06:10 PM
Zinc	18	0.19	1.0		mg/Kg	1	12/23/2008 06:10 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/18/2008 11:37 PM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/18/2008 11:37 PM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/18/2008 11:37 PM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/18/2008 11:37 PM
Aroclor 1248	ND	2.5	16		µg/Kg	1	12/18/2008 11:37 PM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/18/2008 11:37 PM
Aroclor 1260	14	4.2	16	J	µg/Kg	1	12/18/2008 11:37 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/18/2008 11:37 PM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/18/2008 11:37 PM
Surr: Decachlorobiphenyl	69.4	0	30-124		%REC	1	12/18/2008 11:37 PM
Surr: Tetrachloro-m-xylene	93.8	0	40-118		%REC	1	12/18/2008 11:37 PM
MERCURY BY COLD VAPOR TECHNIQUE							
					EPA 7471A		
RunID: **AA1_081217H**	QC Batch: **51175**				PrepDate: **12/16/2008**	Analyst: **AMT**	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Coast Guard 02_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:33:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-020A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217H**	QC Batch: **51175**				PrepDate: **12/16/2008**		Analyst: **AMT**
Mercury	ND	0.038	0.10		mg/Kg	1	12/17/2008 06:23 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Coast Guard 03_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:37:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-021A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223F**	QC Batch: **51178**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	ND	0.28	2.0		mg/Kg	1	12/23/2008 06:14 PM
Arsenic	2.0	0.27	1.0		mg/Kg	1	12/23/2008 06:14 PM
Barium	25	0.13	1.0		mg/Kg	1	12/23/2008 06:14 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 06:14 PM
Cadmium	0.21	0.0064	1.0	J	mg/Kg	1	12/23/2008 06:14 PM
Chromium	13	0.088	1.0		mg/Kg	1	12/23/2008 06:14 PM
Cobalt	1.9	0.014	1.0		mg/Kg	1	12/23/2008 06:14 PM
Copper	15	0.26	2.0		mg/Kg	1	12/23/2008 06:14 PM
Lead	11	0.11	1.0		mg/Kg	1	12/23/2008 06:14 PM
Molybdenum	0.082	0.043	1.0	J	mg/Kg	1	12/23/2008 06:14 PM
Nickel	2.9	0.032	1.0		mg/Kg	1	12/23/2008 06:14 PM
Selenium	ND	0.43	1.0		mg/Kg	1	12/23/2008 06:14 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 06:14 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 06:14 PM
Vanadium	17	0.019	1.0		mg/Kg	1	12/23/2008 06:14 PM
Zinc	53	0.19	1.0		mg/Kg	1	12/23/2008 06:14 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/19/2008 12:07 AM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/19/2008 12:07 AM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/19/2008 12:07 AM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/19/2008 12:07 AM
Aroclor 1248	ND	2.5	16		µg/Kg	1	12/19/2008 12:07 AM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/19/2008 12:07 AM
Aroclor 1260	10	4.2	16	J	µg/Kg	1	12/19/2008 12:07 AM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/19/2008 12:07 AM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/19/2008 12:07 AM
Surr: Decachlorobiphenyl	71.6	0	30-124		%REC	1	12/19/2008 12:07 AM
Surr: Tetrachloro-m-xylene	101	0	40-118		%REC	1	12/19/2008 12:07 AM
MERCURY BY COLD VAPOR TECHNIQUE							
					EPA 7471A		
RunID: **AA1_081217H**	QC Batch: **51175**				PrepDate: **12/16/2008**	Analyst: **AMT**	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Coast Guard 03_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:37:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-021A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217H**	QC Batch: **51175**				PrepDate: **12/16/2008**	Analyst: **AMT**	
Mercury	0.047	0.038	0.10	J	mg/Kg	1	12/17/2008 06:25 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Coast Guard 04_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:41:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-022A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223F**	QC Batch: **51178**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	ND	0.28	2.0		mg/Kg	1	12/23/2008 06:19 PM
Arsenic	1.1	0.27	1.0		mg/Kg	1	12/23/2008 06:19 PM
Barium	13	0.13	1.0		mg/Kg	1	12/23/2008 06:19 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 06:19 PM
Cadmium	0.16	0.0064	1.0	J	mg/Kg	1	12/23/2008 06:19 PM
Chromium	13	0.088	1.0		mg/Kg	1	12/23/2008 06:19 PM
Cobalt	1.1	0.014	1.0		mg/Kg	1	12/23/2008 06:19 PM
Copper	12	0.26	2.0		mg/Kg	1	12/23/2008 06:19 PM
Lead	7.0	0.11	1.0		mg/Kg	1	12/23/2008 06:19 PM
Molybdenum	0.086	0.043	1.0	J	mg/Kg	1	12/23/2008 06:19 PM
Nickel	1.7	0.032	1.0		mg/Kg	1	12/23/2008 06:19 PM
Selenium	0.43	0.43	1.0	J	mg/Kg	1	12/23/2008 06:19 PM
Silver	ND	0.017	1.0		mg/Kg	1	12/23/2008 06:19 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 06:19 PM
Vanadium	10	0.019	1.0		mg/Kg	1	12/23/2008 06:19 PM
Zinc	39	0.19	1.0		mg/Kg	1	12/23/2008 06:19 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/19/2008 12:37 AM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/19/2008 12:37 AM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/19/2008 12:37 AM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/19/2008 12:37 AM
Aroclor 1248	ND	2.5	16		µg/Kg	1	12/19/2008 12:37 AM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/19/2008 12:37 AM
Aroclor 1260	ND	4.2	16		µg/Kg	1	12/19/2008 12:37 AM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/19/2008 12:37 AM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/19/2008 12:37 AM
Surr: Decachlorobiphenyl	76.1	0	30-124		%REC	1	12/19/2008 12:37 AM
Surr: Tetrachloro-m-xylene	98.1	0	40-118		%REC	1	12/19/2008 12:37 AM
MERCURY BY COLD VAPOR TECHNIQUE							
					EPA 7471A		
RunID: **AA1_081217H**	QC Batch: **51175**				PrepDate: **12/16/2008**	Analyst: **AMT**	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	Coast Guard 04_SD_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:41:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-022A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217H**	QC Batch: **51175**				PrepDate: **12/16/2008**	Analyst: **AMT**	
Mercury	0.044	0.038	0.10	J	mg/Kg	1	12/17/2008 06:27 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	30CGCH_OS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:50:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-023A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS							
	EPA 3050B				**EPA 6010B**		
RunID: **ICP8_081223F**	QC Batch: **51178**				PrepDate: **12/16/2008**	Analyst: **CL**	
Antimony	0.34	0.28	2.0	J	mg/Kg	1	12/23/2008 06:23 PM
Arsenic	2.6	0.27	1.0		mg/Kg	1	12/23/2008 06:23 PM
Barium	27	0.13	1.0		mg/Kg	1	12/23/2008 06:23 PM
Beryllium	ND	0.055	1.0		mg/Kg	1	12/23/2008 06:23 PM
Cadmium	0.93	0.0064	1.0	J	mg/Kg	1	12/23/2008 06:23 PM
Chromium	100	0.088	1.0		mg/Kg	1	12/23/2008 06:23 PM
Cobalt	3.5	0.014	1.0		mg/Kg	1	12/23/2008 06:23 PM
Copper	42	0.26	2.0		mg/Kg	1	12/23/2008 06:23 PM
Lead	74	0.11	1.0		mg/Kg	1	12/23/2008 06:23 PM
Molybdenum	1.4	0.043	1.0		mg/Kg	1	12/23/2008 06:23 PM
Nickel	20	0.032	1.0		mg/Kg	1	12/23/2008 06:23 PM
Selenium	0.60	0.43	1.0	J	mg/Kg	1	12/23/2008 06:23 PM
Silver	0.21	0.017	1.0	J	mg/Kg	1	12/23/2008 06:23 PM
Thallium	ND	0.23	1.0		mg/Kg	1	12/23/2008 06:23 PM
Vanadium	16	0.019	1.0		mg/Kg	1	12/23/2008 06:23 PM
Zinc	110	0.19	1.0		mg/Kg	1	12/23/2008 06:23 PM
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_081218A**	QC Batch: **51228**				PrepDate: **12/17/2008**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	12/19/2008 01:06 AM
Aroclor 1221	ND	2.5	33		µg/Kg	1	12/19/2008 01:06 AM
Aroclor 1232	ND	4.0	16		µg/Kg	1	12/19/2008 01:06 AM
Aroclor 1242	ND	3.5	16		µg/Kg	1	12/19/2008 01:06 AM
Aroclor 1248	750	25	160		µg/Kg	10	12/19/2008 01:00 PM
Aroclor 1254	ND	1.8	16		µg/Kg	1	12/19/2008 01:06 AM
Aroclor 1260	97	4.2	16		µg/Kg	1	12/19/2008 01:06 AM
Aroclor 1262	ND	2.5	16		µg/Kg	1	12/19/2008 01:06 AM
Aroclor 1268	ND	2.1	16		µg/Kg	1	12/19/2008 01:06 AM
Surr: Decachlorobiphenyl	70.1	0	30-124		%REC	1	12/19/2008 01:06 AM
Surr: Decachlorobiphenyl	98.5	0	30-124		%REC	10	12/19/2008 01:00 PM
Surr: Tetrachloro-m-xylene	78.1	0	40-118		%REC	10	12/19/2008 01:00 PM
Surr: Tetrachloro-m-xylene	99.7	0	40-118		%REC	1	12/19/2008 01:06 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *24-Dec-08*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	30CGCH_OS_121208
Lab Order:	102694	**Collection Date:**	12/12/2008 3:50:00 PM
Project:	TRA, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	102694-023A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **AA1_081217H**	QC Batch: **51175**				PrepDate: **12/16/2008**		Analyst: **AMT**
Mercury	0.15	0.038	0.10		mg/Kg	1	12/17/2008 06:02 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

Date: *24-Dec-08*

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-51176** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103508**
Client ID: **PBS** Batch ID: **51176** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **12/23/2008** SeqNo: **1615622**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	0.007	1.0									J
Chromium	ND	1.0									
Cobalt	0.015	1.0									J
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	0.234	1.0									J
Vanadium	ND	1.0									
Zinc	0.260	1.0									J

Sample ID: **LCS-51176** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103508**
Client ID: **LCSS** Batch ID: **51176** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **12/23/2008** SeqNo: **1615623**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.570	2.0	50.00	0	95.1	80	120				
Arsenic	46.006	1.0	50.00	0	92.0	80	120				
Barium	48.666	1.0	50.00	0	97.3	80	120				
Beryllium	47.173	1.0	50.00	0	94.3	80	120				
Cadmium	47.397	1.0	50.00	0.007317	94.8	80	120				
Chromium	44.978	1.0	50.00	0	90.0	80	120				
Cobalt	48.984	1.0	50.00	0.01541	97.9	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-51176** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103508**
Client ID: **LCSS** Batch ID: **51176** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **12/23/2008** SeqNo: **1615623**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	48.656	2.0	50.00	0	97.3	80	120				
Lead	49.225	1.0	50.00	0	98.5	80	120				
Molybdenum	48.556	1.0	50.00	0	97.1	80	120				
Nickel	47.084	1.0	50.00	0	94.2	80	120				
Selenium	44.228	1.0	50.00	0	88.5	80	120				
Silver	47.311	1.0	50.00	0	94.6	80	120				
Thallium	43.390	1.0	50.00	0.2338	86.3	80	120				
Vanadium	49.625	1.0	50.00	0	99.2	80	120				
Zinc	46.723	1.0	50.00	0.2604	92.9	80	120				

Sample ID: **102694-011AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103508**
Client ID: **Convair 03_CS_121** Batch ID: **51176** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **12/23/2008** SeqNo: **1615635**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	88.280	2.0	125.0	0.3959	70.3	25	106				
Arsenic	102.291	1.0	125.0	4.462	78.3	42	113				
Barium	151.546	1.0	125.0	42.13	87.5	19	140				
Beryllium	99.967	1.0	125.0	0	80.0	50	109				
Cadmium	96.436	1.0	125.0	0.8762	76.4	48	106				
Chromium	184.834	1.0	125.0	89.66	76.1	44	116				
Cobalt	101.531	1.0	125.0	3.092	78.8	47	107				
Copper	164.903	2.0	125.0	59.21	84.6	49	124				
Lead	139.968	1.0	125.0	48.72	73.0	33	120				
Molybdenum	102.998	1.0	125.0	1.637	81.1	46	111				
Nickel	107.920	1.0	125.0	9.371	78.8	43	111				
Selenium	95.498	1.0	125.0	0.5473	76.0	43	104				
Silver	102.808	1.0	125.0	0.04813	82.2	53	114				
Thallium	89.920	1.0	125.0	0	71.9	41	107				
Vanadium	122.188	1.0	125.0	19.53	82.1	48	116				
Zinc	238.343	1.0	125.0	183.7	43.7	24	129				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **102694-011AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103508**
Client ID: **Convair 03_CS_121** Batch ID: **51176** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **12/23/2008** SeqNo: **1615636**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	90.324	2.0	125.0	0.3959	71.9	25	106	88.28	2.29	20	
Arsenic	102.077	1.0	125.0	4.462	78.1	42	113	102.3	0.210	20	
Barium	134.466	1.0	125.0	42.13	73.9	19	140	151.5	11.9	20	
Beryllium	100.661	1.0	125.0	0	80.5	50	109	99.97	0.692	20	
Cadmium	97.493	1.0	125.0	0.8762	77.3	48	106	96.44	1.09	20	
Chromium	158.016	1.0	125.0	89.66	54.7	44	116	184.8	15.6	20	
Cobalt	102.422	1.0	125.0	3.092	79.5	47	107	101.5	0.874	20	
Copper	166.041	2.0	125.0	59.21	85.5	49	124	164.9	0.688	20	
Lead	146.199	1.0	125.0	48.72	78.0	33	120	140.0	4.36	20	
Molybdenum	103.636	1.0	125.0	1.637	81.6	46	111	103.0	0.617	20	
Nickel	109.209	1.0	125.0	9.371	79.9	43	111	107.9	1.19	20	
Selenium	95.480	1.0	125.0	0.5473	75.9	43	104	95.50	0.0185	20	
Silver	103.124	1.0	125.0	0.04813	82.5	53	114	102.8	0.307	20	
Thallium	91.039	1.0	125.0	0	72.8	41	107	89.92	1.24	20	
Vanadium	121.730	1.0	125.0	19.53	81.8	48	116	122.2	0.376	20	
Zinc	229.858	1.0	125.0	183.7	36.9	24	129	238.3	3.62	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-51178** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103514**
Client ID: **PBS** Batch ID: **51178** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **12/23/2008** SeqNo: **1615766**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	0.011	1.0									J
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-51178** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103514**
Client ID: **LCSS** Batch ID: **51178** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **12/23/2008** SeqNo: **1615767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	45.650	2.0	50.00	0	91.3	80	120				
Arsenic	44.023	1.0	50.00	0	88.0	80	120				
Barium	47.070	1.0	50.00	0	94.1	80	120				
Beryllium	45.267	1.0	50.00	0	90.5	80	120				
Cadmium	45.664	1.0	50.00	0.01128	91.3	80	120				
Chromium	43.255	1.0	50.00	0	86.5	80	120				
Cobalt	47.208	1.0	50.00	0	94.4	80	120				
Copper	46.692	2.0	50.00	0	93.4	80	120				
Lead	48.442	1.0	50.00	0	96.9	80	120				

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-51178** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103514**
Client ID: **LCSS** Batch ID: **51178** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **12/23/2008** SeqNo: **1615767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	46.656	1.0	50.00	0	93.3	80	120				
Nickel	45.338	1.0	50.00	0	90.7	80	120				
Selenium	42.474	1.0	50.00	0	84.9	80	120				
Silver	45.332	1.0	50.00	0	90.7	80	120				
Thallium	41.687	1.0	50.00	0	83.4	80	120				
Vanadium	47.776	1.0	50.00	0	95.6	80	120				
Zinc	45.095	1.0	50.00	0	90.2	80	120				

Sample ID: **102694-023AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103514**
Client ID: **30CGCH_OS_12120** Batch ID: **51178** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **12/23/2008** SeqNo: **1615779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	86.753	2.0	125.0	0.3421	69.1	25	106				
Arsenic	102.558	1.0	125.0	2.577	80.0	42	113				
Barium	130.448	1.0	125.0	26.87	82.9	19	140				
Beryllium	100.770	1.0	125.0	0	80.6	50	109				
Cadmium	96.415	1.0	125.0	0.9285	76.4	48	106				
Chromium	149.745	1.0	125.0	100.5	39.4	44	116				S
Cobalt	102.606	1.0	125.0	3.484	79.3	47	107				
Copper	162.928	2.0	125.0	41.89	96.8	49	124				
Lead	201.782	1.0	125.0	74.30	102	33	120				
Molybdenum	103.687	1.0	125.0	1.386	81.8	46	111				
Nickel	119.241	1.0	125.0	20.27	79.2	43	111				
Selenium	98.006	1.0	125.0	0.6049	77.9	43	104				
Silver	104.980	1.0	125.0	0.2115	83.8	53	114				
Thallium	89.962	1.0	125.0	0	72.0	41	107				
Vanadium	128.368	1.0	125.0	16.12	89.8	48	116				
Zinc	245.221	1.0	125.0	110.8	108	24	129				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **102694-023AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103514**
Client ID: **30CGCH_OS_12120** Batch ID: **51178** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **12/23/2008** SeqNo: **1615780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	88.314	2.0	125.0	0.3421	70.4	25	106	86.75	1.78	20	
Arsenic	102.491	1.0	125.0	2.577	79.9	42	113	102.6	0.0651	20	
Barium	137.480	1.0	125.0	26.87	88.5	19	140	130.4	5.25	20	
Beryllium	101.904	1.0	125.0	0	81.5	50	109	100.8	1.12	20	
Cadmium	98.017	1.0	125.0	0.9285	77.7	48	106	96.41	1.65	20	
Chromium	159.674	1.0	125.0	100.5	47.3	44	116	149.7	6.42	20	
Cobalt	104.437	1.0	125.0	3.484	80.8	47	107	102.6	1.77	20	
Copper	163.366	2.0	125.0	41.89	97.2	49	124	162.9	0.269	20	
Lead	183.645	1.0	125.0	74.30	87.5	33	120	201.8	9.41	20	
Molybdenum	104.790	1.0	125.0	1.386	82.7	46	111	103.7	1.06	20	
Nickel	119.720	1.0	125.0	20.27	79.6	43	111	119.2	0.401	20	
Selenium	98.023	1.0	125.0	0.6049	77.9	43	104	98.01	0.0174	20	
Silver	106.801	1.0	125.0	0.2115	85.3	53	114	105.0	1.72	20	
Thallium	91.296	1.0	125.0	0	73.0	41	107	89.96	1.47	20	
Vanadium	130.478	1.0	125.0	16.12	91.5	48	116	128.4	1.63	20	
Zinc	235.113	1.0	125.0	110.8	99.5	24	129	245.2	4.21	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-51173** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103339**
Client ID: **PBS** Batch ID: **51173** TestNo: **EPA 7471A** Analysis Date: **12/17/2008** SeqNo: **1612604**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-51173** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103339**
Client ID: **LCSS** Batch ID: **51173** TestNo: **EPA 7471A** Analysis Date: **12/17/2008** SeqNo: **1612605**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.873	0.10	0.8300	0	105	80	120				

Sample ID: **102694-011A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103339**
Client ID: **Convair 03_CS_121** Batch ID: **51173** TestNo: **EPA 7471A** Analysis Date: **12/17/2008** SeqNo: **1612606**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.842	0.10	0.8300	0.09504	89.9	70	130				

Sample ID: **102694-011A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103339**
Client ID: **Convair 03_CS_121** Batch ID: **51173** TestNo: **EPA 7471A** Analysis Date: **12/17/2008** SeqNo: **1612607**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.823	0.10	0.8300	0.09504	87.7	70	130	0.8416	2.20	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-51175** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103340**
Client ID: **PBS** Batch ID: **51175** TestNo: **EPA 7471A** Analysis Date: **12/17/2008** SeqNo: **1612619**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-51175** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103340**
Client ID: **LCSS** Batch ID: **51175** TestNo: **EPA 7471A** Analysis Date: **12/17/2008** SeqNo: **1612620**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.859	0.10	0.8300	0	103	80	120				

Sample ID: **102694-023A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103340**
Client ID: **30CGCH_OS_12120** Batch ID: **51175** TestNo: **EPA 7471A** Analysis Date: **12/17/2008** SeqNo: **1612621**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.746	0.10	0.8300	0.1501	71.7	70	130				

Sample ID: **102694-023A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **12/16/2008** RunNo: **103340**
Client ID: **30CGCH_OS_12120** Batch ID: **51175** TestNo: **EPA 7471A** Analysis Date: **12/17/2008** SeqNo: **1612622**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.766	0.10	0.8300	0.1501	74.2	70	130	0.7455	2.66	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-51301** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **12/18/2008** RunNo: **103258**
Client ID: **PBW** Batch ID: **51301** TestNo: **EPA 8015B(M** **EPA 3510C** Analysis Date: **12/19/2008** SeqNo: **1613783**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.060		0.08000		74.8	35	131				

Sample ID: **LCS-51301** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **12/18/2008** RunNo: **103258**
Client ID: **LCSW** Batch ID: **51301** TestNo: **EPA 8015B(M** **EPA 3510C** Analysis Date: **12/19/2008** SeqNo: **1613784**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.650	0.20	1.000	0	65.0	42	118				
Surr: p-Terphenyl	0.059		0.08000		73.2	35	131				

Sample ID: **MB-51301MS** SampType: **MS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **12/18/2008** RunNo: **103258**
Client ID: **ZZZZZZ** Batch ID: **51301** TestNo: **EPA 8015B(M** **EPA 3510C** Analysis Date: **12/19/2008** SeqNo: **1613785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.621	0.20	1.000	0	62.1	42	118				
Surr: p-Terphenyl	0.054		0.08000		68.1	35	131				

Sample ID: **MB-51301MSD** SampType: **MSD** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **12/18/2008** RunNo: **103258**
Client ID: **ZZZZZZ** Batch ID: **51301** TestNo: **EPA 8015B(M** **EPA 3510C** Analysis Date: **12/19/2008** SeqNo: **1613786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.694	0.20	1.000	0	69.4	42	118	0.6205	11.2	20	
Surr: p-Terphenyl	0.057		0.08000		71.8	35	131		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: **I081218LCS2** SampType: **LCS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **103182**
Client ID: **LCSW** Batch ID: **I08VW230** TestNo: **EPA 8015B(M** Analysis Date: **12/18/2008** SeqNo: **1610421**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.881	0.20	1.000	0	88.1	69	125				
Surr: Bromofluorobenzene (FID)	102.412		100.0		102	71	130				

Sample ID: **I081218MB1MS** SampType: **MS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **103182**
Client ID: **ZZZZZZ** Batch ID: **I08VW230** TestNo: **EPA 8015B(M** Analysis Date: **12/18/2008** SeqNo: **1610422**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.874	0.20	1.000	0	87.4	69	125				
Surr: Bromofluorobenzene (FID)	101.804		100.0		102	71	130				

Sample ID: **I081218MB1MSD** SampType: **MSD** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **103182**
Client ID: **ZZZZZZ** Batch ID: **I08VW230** TestNo: **EPA 8015B(M** Analysis Date: **12/18/2008** SeqNo: **1610423**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.865	0.20	1.000	0	86.5	69	125	0.8740	1.04	20	
Surr: Bromofluorobenzene (FID)	102.690		100.0		103	71	130		0	0	

Sample ID: **I081218MB1** SampType: **MBLK** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **103182**
Client ID: **PBW** Batch ID: **I08VW230** TestNo: **EPA 8015B(M** Analysis Date: **12/18/2008** SeqNo: **1610424**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	102.910		100.0		103	71	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_WP_BTEX

Sample ID: **I081218LCS1** SampType: **LCS** TestCode: **8021_WP_BT** Units: **µg/L** Prep Date: RunNo: **103182**
Client ID: **LCSW** Batch ID: **I08VW230** TestNo: **EPA 8021B** Analysis Date: **12/18/2008** SeqNo: **1609896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	89.883	0.50	100.0	0	89.9	49	131				
Toluene	93.306	0.50	100.0	0	93.3	64	125				
Ethylbenzene	96.862	0.50	100.0	0	96.9	63	128				
m,p-Xylene	194.160	1.0	200.0	0	97.1	68	122				
o-Xylene	98.554	0.50	100.0	0	98.6	60	124				
Surr: Bromofluorobenzene (PID)	92.196		100.0		92.2	73	127				

Sample ID: **I081218MB1MS** SampType: **MS** TestCode: **8021_WP_BT** Units: **µg/L** Prep Date: RunNo: **103182**
Client ID: **ZZZZZZ** Batch ID: **I08VW230** TestNo: **EPA 8021B** Analysis Date: **12/18/2008** SeqNo: **1609897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	5.454	0.50	7.150	0	76.3	49	131				
Toluene	26.965	0.50	34.45	0	78.3	64	125				
Ethylbenzene	9.043	0.50	9.930	0	91.1	63	128				
m,p-Xylene	33.329	1.0	39.91	0	83.5	68	122				
o-Xylene	12.772	0.50	15.68	0	81.5	60	124				
Surr: Bromofluorobenzene (PID)	91.284		100.0		91.3	73	127				

Sample ID: **I081218MB1MSD** SampType: **MSD** TestCode: **8021_WP_BT** Units: **µg/L** Prep Date: RunNo: **103182**
Client ID: **ZZZZZZ** Batch ID: **I08VW230** TestNo: **EPA 8021B** Analysis Date: **12/18/2008** SeqNo: **1609898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	5.549	0.50	7.150	0	77.6	49	131	5.454	1.73	20	
Toluene	27.257	0.50	34.45	0	79.1	64	125	26.96	1.08	20	
Ethylbenzene	8.778	0.50	9.930	0	88.4	63	128	9.043	2.97	20	
m,p-Xylene	32.640	1.0	39.91	0	81.8	68	122	33.33	2.09	20	
o-Xylene	12.986	0.50	15.68	0	82.8	60	124	12.77	1.66	20	
Surr: Bromofluorobenzene (PID)	89.328		100.0		89.3	73	127		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_WP_BTEX

Sample ID: **I081218MB1** SampType: **MBLK** TestCode: **8021_WP_BT** Units: **µg/L** Prep Date: RunNo: **103182**
Client ID: **PBW** Batch ID: **I08VW230** TestNo: **EPA 8021B** Analysis Date: **12/18/2008** SeqNo: **1609899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.50									
Toluene	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
o-Xylene	ND	0.50									
Surr: Bromofluorobenzene (PID)	92.978		100.0		93.0	73	127				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S_MDL

Sample ID: **MB-51228** SampType: **MBLK** TestCode: **8082_S_MDL** Units: **µg/Kg** Prep Date: **12/17/2008** RunNo: **103256**
Client ID: **PBS** Batch ID: **51228** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **12/18/2008** SeqNo: **1611054**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	10.110		16.67		60.6	30	124				
Surr: Tetrachloro-m-xylene	10.634		16.67		63.8	40	118				

Sample ID: **LCS-51228** SampType: **LCS** TestCode: **8082_S_MDL** Units: **µg/Kg** Prep Date: **12/17/2008** RunNo: **103256**
Client ID: **LCSS** Batch ID: **51228** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **12/18/2008** SeqNo: **1611055**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	121.112	16	166.7	0	72.7	56	113				
Aroclor 1260	135.293	16	166.7	0	81.2	58	111				
Surr: Decachlorobiphenyl	12.401		16.67		74.4	30	124				
Surr: Tetrachloro-m-xylene	13.304		16.67		79.8	40	118				

Sample ID: **MB-51228MS** SampType: **MS** TestCode: **8082_S_MDL** Units: **µg/Kg** Prep Date: **12/17/2008** RunNo: **103256**
Client ID: **ZZZZZZ** Batch ID: **51228** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **12/18/2008** SeqNo: **1611056**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	122.042	16	166.7	0	73.2	51	111				
Aroclor 1260	135.375	16	166.7	0	81.2	39	123				
Surr: Decachlorobiphenyl	11.689		16.67		70.1	30	124				
Surr: Tetrachloro-m-xylene	13.371		16.67		80.2	40	118				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S_MDL

Sample ID: **MB-51228MSD** SampType: **MSD** TestCode: **8082_S_MDL** Units: **µg/Kg** Prep Date: **12/17/2008** RunNo: **103256**
Client ID: **ZZZZZZ** Batch ID: **51228** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **12/18/2008** SeqNo: **1611057**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	122.262	16	166.7	0	73.4	51	111	122.0	0.180	20	
Aroclor 1260	136.199	16	166.7	0	81.7	39	123	135.4	0.606	20	
Surr: Decachlorobiphenyl	12.432		16.67		74.6	30	124		0	0	
Surr: Tetrachloro-m-xylene	13.417		16.67		80.5	40	118		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W_MDL

Sample ID: **MB-51288** SampType: **MBLK** TestCode: **8082_W_MDL** Units: **µg/L** Prep Date: **12/18/2008** RunNo: **103217**
Client ID: **PBW** Batch ID: **51288** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **12/18/2008** SeqNo: **1610280**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50									
Aroclor 1221	ND	1.0									
Aroclor 1232	ND	0.50									
Aroclor 1242	ND	0.50									
Aroclor 1248	ND	0.50									
Aroclor 1254	ND	0.50									
Aroclor 1260	ND	0.50									
Aroclor 1262	ND	0.50									
Aroclor 1268	ND	0.50									
Surr: Decachlorobiphenyl	0.317		0.5000		63.4	29	130				
Surr: Tetrachloro-m-xylene	0.346		0.5000		69.1	48	126				

Sample ID: **LCSA-51288** SampType: **LCS** TestCode: **8082_W_MDL** Units: **µg/L** Prep Date: **12/18/2008** RunNo: **103217**
Client ID: **LCSW** Batch ID: **51288** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **12/18/2008** SeqNo: **1610281**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.354	0.50	5.000	0	87.1	59	113				
Aroclor 1260	4.815	0.50	5.000	0	96.3	60	114				
Surr: Decachlorobiphenyl	0.421		0.5000		84.1	29	130				
Surr: Tetrachloro-m-xylene	0.470		0.5000		94.0	48	126				

Sample ID: **MB-51288MSA** SampType: **MS** TestCode: **8082_W_MDL** Units: **µg/L** Prep Date: **12/18/2008** RunNo: **103217**
Client ID: **ZZZZZZ** Batch ID: **51288** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **12/18/2008** SeqNo: **1610282**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.697	0.50	5.000	0	93.9	59	113				
Aroclor 1260	5.125	0.50	5.000	0	103	60	114				
Surr: Decachlorobiphenyl	0.452		0.5000		90.3	29	130				
Surr: Tetrachloro-m-xylene	0.514		0.5000		103	48	126				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W_MDL

Sample ID: **MB-51288MSDA** SampType: **MS** TestCode: **8082_W_MDL** Units: **µg/L** Prep Date: **12/18/2008** RunNo: **103217**
Client ID: **ZZZZZZ** Batch ID: **51288** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **12/18/2008** SeqNo: **1610283**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.020	0.50	5.000	0	80.4	59	113	4.697	15.5	0	
Aroclor 1260	4.455	0.50	5.000	0	89.1	60	114	5.125	14.0	0	
Surr: Decachlorobiphenyl	0.388		0.5000		77.6	29	130		0	0	
Surr: Tetrachloro-m-xylene	0.430		0.5000		86.0	48	126		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A081218LCS1** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **103136**
Client ID: **LCSW** Batch ID: **A08VW352** TestNo: **EPA 8260B** Analysis Date: **12/18/2008** SeqNo: **1609603**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	16.940	0.50	20.00	0	84.7	70	130				
Benzene	39.880	0.50	40.00	0	99.7	70	130				
Chlorobenzene	20.820	0.50	20.00	0	104	70	130				
MTBE	20.410	0.50	20.00	0	102	70	130				
Toluene	40.790	0.50	40.00	0	102	70	130				
Trichloroethene	19.730	0.50	20.00	0	98.6	70	130				
Surr: 1,2-Dichloroethane-d4	25.960		25.00		104	70	130				
Surr: 4-Bromofluorobenzene	25.050		25.00		100	70	130				
Surr: Dibromofluoromethane	26.570		25.00		106	70	130				
Surr: Toluene-d8	26.740		25.00		107	70	130				

Sample ID: **A081218MB2MS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **103136**
Client ID: **ZZZZZZ** Batch ID: **A08VW352** TestNo: **EPA 8260B** Analysis Date: **12/18/2008** SeqNo: **1609604**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	15.620	0.50	20.00	0	78.1	70	130				
Benzene	38.750	0.50	40.00	0	96.9	70	130				
Chlorobenzene	20.450	0.50	20.00	0	102	70	130				
Toluene	39.740	0.50	40.00	0	99.4	70	130				
Trichloroethene	19.070	0.50	20.00	0	95.4	70	130				
Surr: 1,2-Dichloroethane-d4	26.680		25.00		107	70	130				
Surr: 4-Bromofluorobenzene	25.350		25.00		101	70	130				
Surr: Dibromofluoromethane	26.930		25.00		108	70	130				
Surr: Toluene-d8	26.620		25.00		106	70	130				

Sample ID: **A081218MB2MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **103136**
Client ID: **ZZZZZZ** Batch ID: **A08VW352** TestNo: **EPA 8260B** Analysis Date: **12/18/2008** SeqNo: **1609605**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	16.220	0.50	20.00	0	81.1	70	130	15.62	3.77	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A081218MB2MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **103136**
Client ID: **ZZZZZZ** Batch ID: **A08VW352** TestNo: **EPA 8260B** Analysis Date: **12/18/2008** SeqNo: **1609605**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	38.720	0.50	40.00	0	96.8	70	130	38.75	0.0774	20	
Chlorobenzene	20.340	0.50	20.00	0	102	70	130	20.45	0.539	20	
Toluene	39.860	0.50	40.00	0	99.7	70	130	39.74	0.302	20	
Trichloroethene	19.360	0.50	20.00	0	96.8	70	130	19.07	1.51	20	
Surr: 1,2-Dichloroethane-d4	26.560		25.00		106	70	130		0	20	
Surr: 4-Bromofluorobenzene	25.340		25.00		101	70	130		0	20	
Surr: Dibromofluoromethane	26.810		25.00		107	70	130		0	20	
Surr: Toluene-d8	26.770		25.00		107	70	130		0	20	

Sample ID: **A081218MB2** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **103136**
Client ID: **PBW** Batch ID: **A08VW352** TestNo: **EPA 8260B** Analysis Date: **12/18/2008** SeqNo: **1609606**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A081218MB2** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **103136**
Client ID: **PBW** Batch ID: **A08VW352** TestNo: **EPA 8260B** Analysis Date: **12/18/2008** SeqNo: **1609606**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	0.50									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 102694
Project: TRA, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A081218MB2** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **103136**
Client ID: **PBW** Batch ID: **A08VW352** TestNo: **EPA 8260B** Analysis Date: **12/18/2008** SeqNo: **1609606**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	25.710		25.00		103	70	130				
Surr: 4-Bromofluorobenzene	23.800		25.00		95.2	70	130				
Surr: Dibromofluoromethane	25.600		25.00		102	70	130				
Surr: Toluene-d8	26.480		25.00		106	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____
Logged By: _____ Date: 12/15/08

Method of Transport: Client ☐ ATL ☒ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Haley & Aldrich
Attn: Beth Breitenbach
Address: 9040 Friars Rd Ste 220
City San Diego State CA Zip Code 92108
TEL: (619) 285 7109
FAX: (619) 285 7159

Project Name: TRA Project #: 32022-100 Sampler: (Printed Name) Beth Breitenbach (Signature)

Relinquished by: (Signature and Printed Name)	Date: 12/12/08	Time: 1745	Received by: (Signature and Printed Name)		Date: 12/12/08	Time: 1745
Relinquished by: (Signature and Printed Name)	Date: 12/12/08	Time: 2110	Received by: (Signature and Printed Name)		Date: 12/13/08	Time: 0417
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)		Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Beth Breitenbach 12/12/08
Print Name Date
Signature

Send Report To:
Attn: Beth
Co: _____
Address _____
City _____ State _____ Zip _____

Bill To:
Attn: _____
Co: H & A Boston
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:
Filter PCBs for water samples

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC
RTNE ☐
CT ☐
SWRCB ☐
Logcode _____
OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	SOIL	WATER	GROUND WATER	WASTEWATER	SEDIMENT	TAT	Container(s) #	Container(s) Type	REMARKS
	102694-01	30CH_OS_121208	12/12	1345	X								X					X		2	4oz	
	02	30CH-153S-SD_121208	12/12	1350	X								X					X		2	4oz	
	03	54CH-OW-121208	12/12	1400	X	X			X	X					X					3	1L 40ml	
	04	54CH-OS-SD-121208	12/12	1410	X								X					X		2	4oz	
	05	54CH-90SE-SD-121208	12/12	1425	X								X					X		2	4oz	
	06	54CH-75SW-SD-121208	12/12	1432	X								X					X		2	4oz	
	07	30ECH_OS-121208	12/12	1502	X								X					X		2	4oz	
	08	60CH-66S-SD_121208	12/12	1454	X								X					X		2	4oz	
	09	Convair01_OS-121208	12/12	1459	X								X					X		2	4oz	
	10	Convair02_OS-121208	12/12	1503	X								X					X		2	4oz	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____

Method of Transport: Client ☐ ATL ☒ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Haley & Aldrich
Attn: Beth Breitenbach
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Project #: Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: 12/12/08 Time: 1745 Received by: (Signature and Printed Name) Date: 12/12/08 Time: 1745
Relinquished by: (Signature and Printed Name) Date: 12/12/08 Time: 2110 Received by: (Signature and Printed Name) Date: 12/13/08 Time: 21:77
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

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- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	SOIL	WATER	GROUND WATER	WASTEWATER	SEDIMENT	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	102694- 11	Convair03_CS_121208	12/12	1307	X							X						X					
	12	Convair04_CS_121208		1511	X							X						X					
	13	Convair05_CS_121208		1515	X							X						X					
	14	60CH_OW_121208		1518	X	X			X	X					X								
	15	60CH_66S_SD_121208		1454	X							X						X					
	16	60CH_93S_SD_121208		1610	X							X						X					
	17	60CH_150S_SD_121208		1615	X							X						X					
	18	15CH_OS_121208		1529	X							X						X					
	19	Coast Guard01_SD_121208		1531	X							X						X					
	20	Coast Guard02_SD_121208	↓	1533	X							X						X					

- TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____

Method of Transport: Client ☒ ATL ☒ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Haley & Aldrich
Attn: Beth Breitenbach
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Project #: Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: 12/12/08 Time: 1745 Received by: (Signature and Printed Name) Date: 12/12/08 Time: 1745
Relinquished by: (Signature and Printed Name) Date: 12/12/08 Time: 2170 Received by: (Signature and Printed Name) Date: 12/12/08 Time: 2137
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name Date
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State____ Zip____

Bill To:
Attn: _____
Co: _____
Address _____
City _____ State____ Zip____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
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ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	SOIL	WATER	GROUND WATER	WASTEWATER	SEDIMENT	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	102694-21	Coast Guard 03_SD_121208	12/12	1537	X													X					
	22	Coast Guard 04_SD_121208	"	1541	X													X					
	23	30CGCH_OS_121208	↓	550	X							X						X					

- TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

Diane Galvan

From: Breitenbach, Beth [EBreitenbach@haleyaldrich.com]
Sent: Tuesday, December 16, 2008 9:05 AM
To: Diane Galvan; Carmen Aguila
Subject: TRA Samples 12/12

Diane,
As discussed, please:

- add Title 22 metals for samples CoastGuard03_SD_121208 and CoastGuard04_SD_121208.
- Make sure that sample number 1 is 30WCH_OS_121208.
- split the water so that you can run TPH.

Let me know if you have any other questions.
Thanks!

Beth Breitenbach, P.G.
Senior Environmental Geologist
Haley & Aldrich, Inc.
9040 Friars Road, Suite 220
San Diego, CA 92108
Tel: 619.285.7109
Cell: 619.838.1078
Fax: 619.285.7159
ebreitenbach@HaleyAldrich.com
www.HaleyAldrich.com

January 16, 2009

Beth Breitenbach
Haley & Aldrich
9040 Friars Road, Suite 220
San Diego, CA 92108
TEL: (619) 285-7109
FAX: (619) 280-9415

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 103188

RE: Former TRA Site, 32022-100

Attention: Beth Breitenbach

Enclosed are the results for sample(s) received on January 09, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Eddie F. Rodriguez
Laboratory Director

CLIENT: Haley & Aldrich
Project: Former TRA Site, 32022-100
Lab Order: 103188

CASE NARRATIVE

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Analytical Comments for Method 8082

Dilution was necessary for samples 103188-001A, 103188-003A, 103188-004A and 103188-005A, due to sample matrix.

Surrogate recovery biased high for samples 103188-002A, 103188-003A and 103188-004A, possibly due to matrix interferences.

Surrogate recovery was diluted out for sample 103188-005A.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *16-Jan-09*

CLIENT: Haley & Aldrich
Project: Former TRA Site, 32022-100
Lab Order: 103188
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
103188-001A	60CH_OS_010909	Sediment	1/9/2009 2:52:00 PM	1/9/2009	1/16/2009
103188-002A	60CH_66S_SD_010909	Sediment	1/9/2009 2:37:00 PM	1/9/2009	1/16/2009
103188-003A	60CH_93S_SD_010909	Sediment	1/9/2009 2:42:00 PM	1/9/2009	1/16/2009
103188-004A	60CH_150S_SD_010909	Sediment	1/9/2009 3:05:00 PM	1/9/2009	1/16/2009
103188-005A	CV01_SD_010909	Sediment	1/9/2009 1:10:00 PM	1/9/2009	1/16/2009
103188-006A	60CH_66S_SD_010909_02	Sediment	1/9/2009 2:38:00 PM	1/9/2009	1/16/2009

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_OS_010909
Lab Order:	103188	**Collection Date:**	1/9/2009 2:52:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	103188-001A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_090114C**	QC Batch: **52099**				PrepDate:	**1/13/2009**	Analyst: **HL**
Aroclor 1016	ND	8.5	16		µg/Kg	1	1/15/2009 02:44 AM
Aroclor 1221	ND	2.5	33		µg/Kg	1	1/15/2009 02:44 AM
Aroclor 1232	ND	4.0	16		µg/Kg	1	1/15/2009 02:44 AM
Aroclor 1242	ND	3.5	16		µg/Kg	1	1/15/2009 02:44 AM
Aroclor 1248	950	25	160		µg/Kg	10	1/15/2009 11:40 AM
Aroclor 1254	ND	1.8	16		µg/Kg	1	1/15/2009 02:44 AM
Aroclor 1260	70	4.2	16		µg/Kg	1	1/15/2009 02:44 AM
Aroclor 1262	ND	2.5	16		µg/Kg	1	1/15/2009 02:44 AM
Aroclor 1268	ND	2.1	16		µg/Kg	1	1/15/2009 02:44 AM
Surr: Decachlorobiphenyl	121	0	30-124		%REC	10	1/15/2009 11:40 AM
Surr: Decachlorobiphenyl	94.1	0	30-124		%REC	1	1/15/2009 02:44 AM
Surr: Tetrachloro-m-xylene	88.6	0	40-118		%REC	10	1/15/2009 11:40 AM
Surr: Tetrachloro-m-xylene	111	0	40-118		%REC	1	1/15/2009 02:44 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_66S_SD_010909
Lab Order:	103188	**Collection Date:**	1/9/2009 2:37:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	103188-002A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_090114C**	QC Batch: **52099**				PrepDate: **1/13/2009**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	1/15/2009 03:14 AM
Aroclor 1221	ND	2.5	33		µg/Kg	1	1/15/2009 03:14 AM
Aroclor 1232	ND	4.0	16		µg/Kg	1	1/15/2009 03:14 AM
Aroclor 1242	ND	3.5	16		µg/Kg	1	1/15/2009 03:14 AM
Aroclor 1248	230	2.5	16		µg/Kg	1	1/15/2009 03:14 AM
Aroclor 1254	ND	1.8	16		µg/Kg	1	1/15/2009 03:14 AM
Aroclor 1260	22	4.2	16		µg/Kg	1	1/15/2009 03:14 AM
Aroclor 1262	ND	2.5	16		µg/Kg	1	1/15/2009 03:14 AM
Aroclor 1268	ND	2.1	16		µg/Kg	1	1/15/2009 03:14 AM
Surr: Decachlorobiphenyl	92.9	0	30-124		%REC	1	1/15/2009 03:14 AM
Surr: Tetrachloro-m-xylene	128	0	40-118	S	%REC	1	1/15/2009 03:14 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_93S_SD_010909
Lab Order:	103188	**Collection Date:**	1/9/2009 2:42:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	103188-003A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_090114C**	QC Batch: **52099**				PrepDate: **1/13/2009**		Analyst: **HL**
Aroclor 1016	ND	8.5	16		µg/Kg	1	1/15/2009 03:44 AM
Aroclor 1221	ND	2.5	33		µg/Kg	1	1/15/2009 03:44 AM
Aroclor 1232	ND	4.0	16		µg/Kg	1	1/15/2009 03:44 AM
Aroclor 1242	ND	3.5	16		µg/Kg	1	1/15/2009 03:44 AM
Aroclor 1248	3900	63	410		µg/Kg	25	1/15/2009 12:09 PM
Aroclor 1254	ND	1.8	16		µg/Kg	1	1/15/2009 03:44 AM
Aroclor 1260	150	4.2	16		µg/Kg	1	1/15/2009 03:44 AM
Aroclor 1262	ND	2.5	16		µg/Kg	1	1/15/2009 03:44 AM
Aroclor 1268	ND	2.1	16		µg/Kg	1	1/15/2009 03:44 AM
Surr: Decachlorobiphenyl	110	0	30-124		%REC	25	1/15/2009 12:09 PM
Surr: Decachlorobiphenyl	83.7	0	30-124		%REC	1	1/15/2009 03:44 AM
Surr: Tetrachloro-m-xylene	80.7	0	40-118		%REC	25	1/15/2009 12:09 PM
Surr: Tetrachloro-m-xylene	124	0	40-118	S	%REC	1	1/15/2009 03:44 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_150S_SD_010909
Lab Order:	103188	**Collection Date:**	1/9/2009 3:05:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	103188-004A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_090114C**	QC Batch: **52099**				PrepDate: **1/13/2009**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	1/15/2009 04:14 AM
Aroclor 1221	ND	2.5	33		µg/Kg	1	1/15/2009 04:14 AM
Aroclor 1232	ND	4.0	16		µg/Kg	1	1/15/2009 04:14 AM
Aroclor 1242	ND	3.5	16		µg/Kg	1	1/15/2009 04:14 AM
Aroclor 1248	4400	63	410		µg/Kg	25	1/15/2009 12:39 PM
Aroclor 1254	ND	1.8	16		µg/Kg	1	1/15/2009 04:14 AM
Aroclor 1260	240	4.2	16		µg/Kg	1	1/15/2009 04:14 AM
Aroclor 1262	ND	2.5	16		µg/Kg	1	1/15/2009 04:14 AM
Aroclor 1268	ND	2.1	16		µg/Kg	1	1/15/2009 04:14 AM
Surr: Decachlorobiphenyl	120	0	30-124		%REC	25	1/15/2009 12:39 PM
Surr: Decachlorobiphenyl	89.3	0	30-124		%REC	1	1/15/2009 04:14 AM
Surr: Tetrachloro-m-xylene	76.9	0	40-118		%REC	25	1/15/2009 12:39 PM
Surr: Tetrachloro-m-xylene	120	0	40-118	S	%REC	1	1/15/2009 04:14 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT: Haley & Aldrich
Lab Order: 103188
Project: Former TRA Site, 32022-100
Lab ID: 103188-005A

Client Sample ID: CV01_SD_010909
Collection Date: 1/9/2009 1:10:00 PM
Matrix: SEDIMENT

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_090114C**	QC Batch: **52099**				PrepDate:	**1/13/2009**	Analyst: **HL**
Aroclor 1016	ND	8.5	16		µg/Kg	1	1/15/2009 04:43 AM
Aroclor 1221	ND	2.5	33		µg/Kg	1	1/15/2009 04:43 AM
Aroclor 1232	ND	4.0	16		µg/Kg	1	1/15/2009 04:43 AM
Aroclor 1242	ND	3.5	16		µg/Kg	1	1/15/2009 04:43 AM
Aroclor 1248	4100	63	410		µg/Kg	25	1/15/2009 01:09 PM
Aroclor 1254	ND	1.8	16		µg/Kg	1	1/15/2009 04:43 AM
Aroclor 1260	660	42	160		µg/Kg	10	1/15/2009 01:39 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	1/15/2009 04:43 AM
Aroclor 1268	ND	2.1	16		µg/Kg	1	1/15/2009 04:43 AM
Surr: Decachlorobiphenyl	117	0	30-124		%REC	10	1/15/2009 01:39 PM
Surr: Decachlorobiphenyl	0	0	30-124	SDO	%REC	25	1/15/2009 01:09 PM
Surr: Decachlorobiphenyl	91.9	0	30-124		%REC	1	1/15/2009 04:43 AM
Surr: Tetrachloro-m-xylene	76.6	0	40-118		%REC	10	1/15/2009 01:39 PM
Surr: Tetrachloro-m-xylene	0	0	40-118	SDO	%REC	25	1/15/2009 01:09 PM
Surr: Tetrachloro-m-xylene	95.3	0	40-118		%REC	1	1/15/2009 04:43 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_66S_SD_010909_02
Lab Order:	103188	**Collection Date:**	1/9/2009 2:38:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	103188-006A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_090114C**	QC Batch: **52099**				PrepDate:	**1/13/2009**	Analyst: **HL**
Aroclor 1016	ND	8.5	16		µg/Kg	1	1/15/2009 05:13 AM
Aroclor 1221	ND	2.5	33		µg/Kg	1	1/15/2009 05:13 AM
Aroclor 1232	ND	4.0	16		µg/Kg	1	1/15/2009 05:13 AM
Aroclor 1242	ND	3.5	16		µg/Kg	1	1/15/2009 05:13 AM
Aroclor 1248	150	2.5	16		µg/Kg	1	1/15/2009 05:13 AM
Aroclor 1254	ND	1.8	16		µg/Kg	1	1/15/2009 05:13 AM
Aroclor 1260	20	4.2	16		µg/Kg	1	1/15/2009 05:13 AM
Aroclor 1262	ND	2.5	16		µg/Kg	1	1/15/2009 05:13 AM
Aroclor 1268	ND	2.1	16		µg/Kg	1	1/15/2009 05:13 AM
Surr: Decachlorobiphenyl	93.4	0	30-124		%REC	1	1/15/2009 05:13 AM
Surr: Tetrachloro-m-xylene	116	0	40-118		%REC	1	1/15/2009 05:13 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

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CLIENT: Haley & Aldrich
Work Order: 103188
Project: Former TRA Site, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S_MDL

Sample ID: **MB-52099** SampType: **MBLK** TestCode: **8082_S_MDL** Units: **µg/Kg** Prep Date: **1/13/2009** RunNo: **104490**
Client ID: **PBS** Batch ID: **52099** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **1/15/2009** SeqNo: **1633747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	14.857		16.67		89.1	30	124				
Surr: Tetrachloro-m-xylene	14.452		16.67		86.7	40	118				

Sample ID: **LCS-52099** SampType: **LCS** TestCode: **8082_S_MDL** Units: **µg/Kg** Prep Date: **1/13/2009** RunNo: **104490**
Client ID: **LCSS** Batch ID: **52099** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **1/15/2009** SeqNo: **1633748**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	139.545	16	166.7	0	83.7	56	113				
Aroclor 1260	158.501	16	166.7	0	95.1	58	111				
Surr: Decachlorobiphenyl	16.630		16.67		99.8	30	124				
Surr: Tetrachloro-m-xylene	16.069		16.67		96.4	40	118				

Sample ID: **MB-52099MS** SampType: **MS** TestCode: **8082_S_MDL** Units: **µg/Kg** Prep Date: **1/13/2009** RunNo: **104490**
Client ID: **ZZZZZZ** Batch ID: **52099** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **1/15/2009** SeqNo: **1633749**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	109.933	16	166.7	0	66.0	51	111				
Aroclor 1260	123.937	16	166.7	0	74.4	39	123				
Surr: Decachlorobiphenyl	13.195		16.67		79.2	30	124				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 103188
Project: Former TRA Site, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S_MDL

Sample ID: **MB-52099MS**	SampType: **MS**	TestCode: **8082_S_MDL**	Units: **µg/Kg**	Prep Date: **1/13/2009**	RunNo: **104490**
Client ID: **ZZZZZZ**	Batch ID: **52099**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **1/15/2009**	SeqNo: **1633749**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	12.392		16.67		74.3	40	118				

Sample ID: **MB-52099MSD**	SampType: **MSD**	TestCode: **8082_S_MDL**	Units: **µg/Kg**	Prep Date: **1/13/2009**	RunNo: **104490**
Client ID: **ZZZZZZ**	Batch ID: **52099**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **1/15/2009**	SeqNo: **1633750**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	110.179	16	166.7	0	66.1	51	111	109.9	0.224	20	
Aroclor 1260	124.132	16	166.7	0	74.5	39	123	123.9	0.158	20	
Surr: Decachlorobiphenyl	13.244		16.67		79.4	30	124		0	0	
Surr: Tetrachloro-m-xylene	12.416		16.67		74.5	40	118		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

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CHAIN OF CUSTODY RECORD

Pg 1 of 1

Advanced Technology Laboratories
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Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____
Logged By: _____ Date: 1/9/09

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Haley & Aldrich
Attn: Beth Breitenbach
Address: 9040 Friars Rd Ste 220
City San Diego State CA Zip Code 92108
TEL: (619 285-7109
FAX: (619) 285-7159

Project Name: TRA Site Project #: 32022-100
Sampler: (Printed Name) Beth Breitenbach (Signature)

Relinquished by: (Signature and Printed Name) Beth Breitenbach	Date: 1/9/09	Time: 1645	Received by: (Signature and Printed Name)	Date: 1/9/09	Time: 1645
Relinquished by: (Signature and Printed Name)	Date: 1/9/09	Time: 1845	Received by: (Signature and Printed Name)	Date: 1/9/09	Time: 1845
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Beth Breitenbach _____
Print Name Date
Beth Breitenbach
Signature

Send Report To:
Attn: Beth
Co: H&A
Address _____
City _____ State _____ Zip _____

Bill To:
Attn: Acct
Co: H&A
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

Q A / Q C
RTNE ☐
CT ☐
SWRCB ☐
Logcode ____
OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	SOIL	WATER	GROUND WATER	WASTEWATER	Sediment	TAT	Container(s) #	Container(s) Type	REMARKS
	103188-01	GOCH_OS_010909	1/9/09	1452	X												X		E	1	4 oz	
	-02	GOCH_66S_SD_010909		1437	X												X		E	1	4 oz	
	-03	GOCH_93S_SD_010909		1442	X												X		E	1	4 oz	
	-04	GOCH_150S_SD_010909		1505	X												X		E	1	4 oz	
	-05	CVOI_SD_010909		1310	X												X		E	1	4 oz	
	-06	GOCH_66S_SD_010909_02		1438	X												X		E	1	4 oz	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=Hcl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

January 16, 2009

Beth Breitenbach
Haley & Aldrich
9040 Friars Road, Suite 220
San Diego, CA 92108
TEL: (619) 285-7109
FAX: (619) 280-9415

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 103190

RE: Former TRA Site, 32022-100

Attention: Beth Breitenbach

Enclosed are the results for sample(s) received on January 09, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

CASE NARRATIVE

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Analytical Comments for Method 8082

Dilution was necessary for samples 103190-001A, 103190-002A, 103190-003A and 103190-004A, due to sample matrix.

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *16-Jan-09*

CLIENT: Haley & Aldrich
Project: Former TRA Site, 32022-100
Lab Order: 103190
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
103190-001A	CB134_SD_010909	Sediment	1/9/2009 2:15:00 PM	1/9/2009	1/16/2009
103190-002A	CB131_60N_SD_010909	Sediment	1/9/2009 3:40:00 PM	1/9/2009	1/16/2009
103190-003A	CB133_SD_010909	Sediment	1/9/2009 2:55:00 PM	1/9/2009	1/16/2009
103190-004A	CB131_30S_SD_010909	Sediment	1/9/2009 3:20:00 PM	1/9/2009	1/16/2009
103190-005A	CB201_SD_010909	Sediment	1/9/2009 12:25:00 PM	1/9/2009	1/16/2009

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB134_SD_010909
Lab Order:	103190	**Collection Date:**	1/9/2009 2:15:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	103190-001A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_090114C**	QC Batch: **52099**				PrepDate:	**1/13/2009**	Analyst: **HL**
Aroclor 1016	ND	17	33		µg/Kg	1	1/15/2009 06:42 AM
Aroclor 1221	ND	5.0	66		µg/Kg	1	1/15/2009 06:42 AM
Aroclor 1232	ND	8.0	33		µg/Kg	1	1/15/2009 06:42 AM
Aroclor 1242	ND	7.0	33		µg/Kg	1	1/15/2009 06:42 AM
Aroclor 1248	830	50	330		µg/Kg	10	1/15/2009 03:08 PM
Aroclor 1254	ND	3.7	33		µg/Kg	1	1/15/2009 06:42 AM
Aroclor 1260	110	8.4	33		µg/Kg	1	1/15/2009 06:42 AM
Aroclor 1262	ND	5.0	33		µg/Kg	1	1/15/2009 06:42 AM
Aroclor 1268	ND	4.1	33		µg/Kg	1	1/15/2009 06:42 AM
Surr: Decachlorobiphenyl	113	0	30-124		%REC	10	1/15/2009 03:08 PM
Surr: Decachlorobiphenyl	79.7	0	30-124		%REC	1	1/15/2009 06:42 AM
Surr: Tetrachloro-m-xylene	75.2	0	40-118		%REC	10	1/15/2009 03:08 PM
Surr: Tetrachloro-m-xylene	108	0	40-118		%REC	1	1/15/2009 06:42 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT: Haley & Aldrich
Lab Order: 103190
Project: Former TRA Site, 32022-100
Lab ID: 103190-002A

Client Sample ID: CB131_60N_SD_010909
Collection Date: 1/9/2009 3:40:00 PM
Matrix: SEDIMENT

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_090114C**	QC Batch: **52099**				PrepDate:	**1/13/2009**	Analyst: **HL**
Aroclor 1016	ND	8.5	16		µg/Kg	1	1/15/2009 07:12 AM
Aroclor 1221	ND	2.5	33		µg/Kg	1	1/15/2009 07:12 AM
Aroclor 1232	ND	4.0	16		µg/Kg	1	1/15/2009 07:12 AM
Aroclor 1242	ND	3.5	16		µg/Kg	1	1/15/2009 07:12 AM
Aroclor 1248	480	25	160		µg/Kg	10	1/15/2009 03:38 PM
Aroclor 1254	ND	1.8	16		µg/Kg	1	1/15/2009 07:12 AM
Aroclor 1260	170	4.2	16		µg/Kg	1	1/15/2009 07:12 AM
Aroclor 1262	ND	2.5	16		µg/Kg	1	1/15/2009 07:12 AM
Aroclor 1268	ND	2.1	16		µg/Kg	1	1/15/2009 07:12 AM
Surr: Decachlorobiphenyl	84.7	0	30-124		%REC	10	1/15/2009 03:38 PM
Surr: Decachlorobiphenyl	58.7	0	30-124		%REC	1	1/15/2009 07:12 AM
Surr: Tetrachloro-m-xylene	61.7	0	40-118		%REC	10	1/15/2009 03:38 PM
Surr: Tetrachloro-m-xylene	89.1	0	40-118		%REC	1	1/15/2009 07:12 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB133_SD_010909
Lab Order:	103190	**Collection Date:**	1/9/2009 2:55:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	103190-003A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_090114C**	QC Batch: **52099**				PrepDate: **1/13/2009**	Analyst: **HL**	
Aroclor 1016	ND	8.5	16		µg/Kg	1	1/15/2009 07:42 AM
Aroclor 1221	ND	2.5	33		µg/Kg	1	1/15/2009 07:42 AM
Aroclor 1232	ND	4.0	16		µg/Kg	1	1/15/2009 07:42 AM
Aroclor 1242	ND	3.5	16		µg/Kg	1	1/15/2009 07:42 AM
Aroclor 1248	310	2.5	16		µg/Kg	1	1/15/2009 07:42 AM
Aroclor 1254	ND	1.8	16		µg/Kg	1	1/15/2009 07:42 AM
Aroclor 1260	39	4.2	16		µg/Kg	1	1/15/2009 07:42 AM
Aroclor 1262	ND	2.5	16		µg/Kg	1	1/15/2009 07:42 AM
Aroclor 1268	ND	2.1	16		µg/Kg	1	1/15/2009 07:42 AM
Surr: Decachlorobiphenyl	71.7	0	30-124		%REC	1	1/15/2009 07:42 AM
Surr: Tetrachloro-m-xylene	74.7	0	40-118		%REC	1	1/15/2009 07:42 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB131_30S_SD_010909
Lab Order:	103190	**Collection Date:**	1/9/2009 3:20:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	103190-004A		

PCBS BY GC/ECD

EPA 3550B **EPA 8082**

RunID: **GC5_090114C** QC Batch: **52099** PrepDate: **1/13/2009** Analyst: **HL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
Aroclor 1016	ND	8.5	16		µg/Kg	1	1/15/2009 08:11 AM
Aroclor 1221	ND	2.5	33		µg/Kg	1	1/15/2009 08:11 AM
Aroclor 1232	ND	4.0	16		µg/Kg	1	1/15/2009 08:11 AM
Aroclor 1242	ND	3.5	16		µg/Kg	1	1/15/2009 08:11 AM
Aroclor 1248	440	25	160		µg/Kg	10	1/15/2009 04:07 PM
Aroclor 1254	ND	1.8	16		µg/Kg	1	1/15/2009 08:11 AM
Aroclor 1260	230	4.2	16		µg/Kg	1	1/15/2009 08:11 AM
Aroclor 1262	ND	2.5	16		µg/Kg	1	1/15/2009 08:11 AM
Aroclor 1268	ND	2.1	16		µg/Kg	1	1/15/2009 08:11 AM
Surr: Decachlorobiphenyl	62.2	0	30-124		%REC	10	1/15/2009 04:07 PM
Surr: Decachlorobiphenyl	41.7	0	30-124		%REC	1	1/15/2009 08:11 AM
Surr: Tetrachloro-m-xylene	44.1	0	40-118		%REC	10	1/15/2009 04:07 PM
Surr: Tetrachloro-m-xylene	53.9	0	40-118		%REC	1	1/15/2009 08:11 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB201_SD_010909
Lab Order:	103190	**Collection Date:**	1/9/2009 12:25:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	SEDIMENT
Lab ID:	103190-005A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_090114C**	QC Batch: **52099**				PrepDate:	**1/13/2009**	Analyst: **HL**
Aroclor 1016	ND	17	33		µg/Kg	1	1/15/2009 08:41 AM
Aroclor 1221	ND	5.0	66		µg/Kg	1	1/15/2009 08:41 AM
Aroclor 1232	ND	8.0	33		µg/Kg	1	1/15/2009 08:41 AM
Aroclor 1242	ND	7.0	33		µg/Kg	1	1/15/2009 08:41 AM
Aroclor 1248	1500	50	330		µg/Kg	10	1/15/2009 04:37 PM
Aroclor 1254	ND	3.7	33		µg/Kg	1	1/15/2009 08:41 AM
Aroclor 1260	70	8.4	33		µg/Kg	1	1/15/2009 08:41 AM
Aroclor 1262	ND	5.0	33		µg/Kg	1	1/15/2009 08:41 AM
Aroclor 1268	ND	4.1	33		µg/Kg	1	1/15/2009 08:41 AM
Surr: Decachlorobiphenyl	101	0	30-124		%REC	10	1/15/2009 04:37 PM
Surr: Decachlorobiphenyl	66.6	0	30-124		%REC	1	1/15/2009 08:41 AM
Surr: Tetrachloro-m-xylene	108	0	40-118		%REC	10	1/15/2009 04:37 PM
Surr: Tetrachloro-m-xylene	115	0	40-118		%REC	1	1/15/2009 08:41 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Haley & Aldrich
Work Order: 103190
Project: Former TRA Site, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S_MDL

Sample ID: **MB-52099**	SampType: **MBLK**	TestCode: **8082_S_MDL**	Units: **µg/Kg**	Prep Date: **1/13/2009**	RunNo: **104490**
Client ID: **PBS**	Batch ID: **52099**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **1/15/2009**	SeqNo: **1633747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	14.857		16.67		89.1	30	124				
Surr: Tetrachloro-m-xylene	14.452		16.67		86.7	40	118				

Sample ID: **LCS-52099**	SampType: **LCS**	TestCode: **8082_S_MDL**	Units: **µg/Kg**	Prep Date: **1/13/2009**	RunNo: **104490**
Client ID: **LCSS**	Batch ID: **52099**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **1/15/2009**	SeqNo: **1633748**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	139.545	16	166.7	0	83.7	56	113				
Aroclor 1260	158.501	16	166.7	0	95.1	58	111				
Surr: Decachlorobiphenyl	16.630		16.67		99.8	30	124				
Surr: Tetrachloro-m-xylene	16.069		16.67		96.4	40	118				

Sample ID: **MB-52099MS**	SampType: **MS**	TestCode: **8082_S_MDL**	Units: **µg/Kg**	Prep Date: **1/13/2009**	RunNo: **104490**
Client ID: **ZZZZZZ**	Batch ID: **52099**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **1/15/2009**	SeqNo: **1633749**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	109.933	16	166.7	0	66.0	51	111				
Aroclor 1260	123.937	16	166.7	0	74.4	39	123				
Surr: Decachlorobiphenyl	13.195		16.67		79.2	30	124				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 103190
Project: Former TRA Site, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S_MDL

Sample ID: **MB-52099MS** SampType: **MS** TestCode: **8082_S_MDL** Units: **µg/Kg** Prep Date: **1/13/2009** RunNo: **104490**
Client ID: **ZZZZZZ** Batch ID: **52099** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **1/15/2009** SeqNo: **1633749**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	12.392		16.67		74.3	40	118				

Sample ID: **MB-52099MSD** SampType: **MSD** TestCode: **8082_S_MDL** Units: **µg/Kg** Prep Date: **1/13/2009** RunNo: **104490**
Client ID: **ZZZZZZ** Batch ID: **52099** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **1/15/2009** SeqNo: **1633750**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	110.179	16	166.7	0	66.1	51	111	109.9	0.224	20	
Aroclor 1260	124.132	16	166.7	0	74.5	39	123	123.9	0.158	20	
Surr: Decachlorobiphenyl	13.244		16.67		79.4	30	124		0	0	
Surr: Tetrachloro-m-xylene	12.416		16.67		74.5	40	118		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CHAIN OF CUSTODY RECORD

Pg 1 of 1

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____
Logged By: _____ Date: 1/9/09

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Haley & Aldrich
Attn: Beth Breitenbach
Address: 9040 Mira Mesa Rd Ste 220
City San Diego State CA Zip Code 92108
TEL: (619) 285-7109
FAX: (619) 285-7159

Project Name: Former TBA Site Project #: 32022-100 Sampler: (Printed Name) Samuel Wills (Signature)

Relinquished by: (Signature and Printed Name) Samuel Wills	Date: 010909	Time: 1645	Received by: (Signature and Printed Name)	Date: 1/9/09	Time: 1645
Relinquished by: (Signature and Printed Name)	Date: 1/9/09	Time: 1845	Received by: (Signature and Printed Name)	Date: 1/9/09	Time: 1845
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Beth Breitenbach
Print Name Date
Signature

Send Report To:
Attn: Beth
Co: H&A
Address
City State Zip

Bill To:
Attn: Acct
Co: H&A
Address
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	80081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	103190-01	CB134_SD-010909	010909	1415	X													E	1	4oz		
		~~CB133-SD-010909~~ (BB)																				
		~~CB133_110N-SD-010909~~ (SW)			X													E	1	4oz		
	-02	CB131-60N-SD-010909	010909	1540	X													E	1	4oz		
	-03	CB133-SD-010909	010909	1455	X													E	1	4oz		
	-04	CB131-30S-SD-010909	010909	1520	X													E	1	4oz		
	-05	CB201-SD-010909	010909	1225	X													E	1	4oz		

Q A / Q C
RTNE ☐
CT ☐
SWRCB ☐
Logcode ____
OTHER ____

- TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= ~~Routine 7 Workdays~~

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=Hcl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

January 16, 2009

Beth Breitenbach
Haley & Aldrich
9040 Friars Road, Suite 220
San Diego, CA 92108
TEL: (619) 285-7109
FAX: (619) 280-9415

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 103192

RE: Former TRA Site, 32022-100

Attention: Beth Breitenbach

Enclosed are the results for sample(s) received on January 09, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

CLIENT: Haley & Aldrich
Project: Former TRA Site, 32022-100
Lab Order: 103192

CASE NARRATIVE

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *16-Jan-09*

CLIENT: Haley & Aldrich
Project: Former TRA Site, 32022-100
Lab Order: 103192
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
103192-001A	60CH_OW_010909	Water	1/9/2009 2:10:00 PM	1/9/2009	1/16/2009
103192-002A	60CH_OW2_010909	Water	1/9/2009 2:15:00 PM	1/9/2009	1/16/2009
103192-003A	30ECH_OW_010909	Water	1/9/2009 1:43:00 PM	1/9/2009	1/16/2009
103192-004A	60CH_OW2_010909_02	Water	1/9/2009 2:45:00 PM	1/9/2009	1/16/2009
103192-005A	TB_02_010909	Water	1/9/2009	1/9/2009	1/16/2009

Advanced Technology Laboratories
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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_OW_010909
Lab Order:	103192	**Collection Date:**	1/9/2009 2:10:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103192-001A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_090112A** QC Batch: **A09VW008** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 11:32 AM
1,1,1-Trichloroethane	ND	0.14	0.50		µg/L	1	1/12/2009 11:32 AM
1,1,2,2-Tetrachloroethane	ND	0.34	0.50		µg/L	1	1/12/2009 11:32 AM
1,1,2-Trichloroethane	ND	0.13	0.50		µg/L	1	1/12/2009 11:32 AM
1,1-Dichloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 11:32 AM
1,1-Dichloroethene	1.9	0.23	0.50		µg/L	1	1/12/2009 11:32 AM
1,1-Dichloropropene	ND	0.17	0.50		µg/L	1	1/12/2009 11:32 AM
1,2,3-Trichlorobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 11:32 AM
1,2,3-Trichloropropane	ND	0.24	0.50		µg/L	1	1/12/2009 11:32 AM
1,2,4-Trichlorobenzene	ND	0.14	0.50		µg/L	1	1/12/2009 11:32 AM
1,2,4-Trimethylbenzene	ND	0.11	0.50		µg/L	1	1/12/2009 11:32 AM
1,2-Dibromo-3-chloropropane	ND	0.39	0.50		µg/L	1	1/12/2009 11:32 AM
1,2-Dibromoethane	ND	0.20	0.50		µg/L	1	1/12/2009 11:32 AM
1,2-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 11:32 AM
1,2-Dichloroethane	ND	0.10	0.50		µg/L	1	1/12/2009 11:32 AM
1,2-Dichloropropane	ND	0.12	0.50		µg/L	1	1/12/2009 11:32 AM
1,3,5-Trimethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 11:32 AM
1,3-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 11:32 AM
1,3-Dichloropropane	ND	0.090	0.50		µg/L	1	1/12/2009 11:32 AM
1,4-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 11:32 AM
2,2-Dichloropropane	ND	0.18	0.50		µg/L	1	1/12/2009 11:32 AM
2-Chlorotoluene	ND	0.11	0.50		µg/L	1	1/12/2009 11:32 AM
4-Chlorotoluene	ND	0.14	0.50		µg/L	1	1/12/2009 11:32 AM
4-Isopropyltoluene	ND	0.12	0.50		µg/L	1	1/12/2009 11:32 AM
Benzene	ND	0.080	0.50		µg/L	1	1/12/2009 11:32 AM
Bromobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 11:32 AM
Bromodichloromethane	ND	0.15	0.50		µg/L	1	1/12/2009 11:32 AM
Bromoform	ND	0.13	0.50		µg/L	1	1/12/2009 11:32 AM
Bromomethane	ND	0.42	0.50		µg/L	1	1/12/2009 11:32 AM
Carbon tetrachloride	ND	0.17	0.50		µg/L	1	1/12/2009 11:32 AM
Chlorobenzene	ND	0.090	0.50		µg/L	1	1/12/2009 11:32 AM
Chloroethane	ND	0.25	0.50		µg/L	1	1/12/2009 11:32 AM
Chloroform	ND	0.12	0.50		µg/L	1	1/12/2009 11:32 AM
Chloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 11:32 AM
cis-1,2-Dichloroethene	4.1	0.13	0.50		µg/L	1	1/12/2009 11:32 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_OW_010909
Lab Order:	103192	**Collection Date:**	1/9/2009 2:10:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103192-001A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_090112A** QC Batch: **A09VW008** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.10	0.50		µg/L	1	1/12/2009 11:32 AM
Dibromochloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 11:32 AM
Dibromomethane	ND	0.14	0.50		µg/L	1	1/12/2009 11:32 AM
Dichlorodifluoromethane	ND	0.46	0.50		µg/L	1	1/12/2009 11:32 AM
Ethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 11:32 AM
Hexachlorobutadiene	ND	0.19	0.50		µg/L	1	1/12/2009 11:32 AM
Isopropylbenzene	ND	0.13	0.50		µg/L	1	1/12/2009 11:32 AM
m,p-Xylene	ND	0.23	1.0		µg/L	1	1/12/2009 11:32 AM
Methylene chloride	ND	1.0	1.0		µg/L	1	1/12/2009 11:32 AM
n-Butylbenzene	ND	0.14	0.50		µg/L	1	1/12/2009 11:32 AM
n-Propylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 11:32 AM
Naphthalene	ND	0.16	0.50		µg/L	1	1/12/2009 11:32 AM
o-Xylene	ND	0.18	0.50		µg/L	1	1/12/2009 11:32 AM
sec-Butylbenzene	ND	0.15	0.50		µg/L	1	1/12/2009 11:32 AM
Styrene	ND	0.15	0.50		µg/L	1	1/12/2009 11:32 AM
tert-Butylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 11:32 AM
Tetrachloroethene	3.8	0.18	0.50		µg/L	1	1/12/2009 11:32 AM
Toluene	ND	0.17	0.50		µg/L	1	1/12/2009 11:32 AM
trans-1,2-Dichloroethene	ND	0.12	0.50		µg/L	1	1/12/2009 11:32 AM
Trichloroethene	4.5	0.12	0.50		µg/L	1	1/12/2009 11:32 AM
Trichlorofluoromethane	ND	0.50	0.50		µg/L	1	1/12/2009 11:32 AM
Vinyl chloride	2.0	0.17	0.50		µg/L	1	1/12/2009 11:32 AM
Surr: 1,2-Dichloroethane-d4	114	0	70-130		%REC	1	1/12/2009 11:32 AM
Surr: 4-Bromofluorobenzene	94.4	0	70-130		%REC	1	1/12/2009 11:32 AM
Surr: Dibromofluoromethane	113	0	70-130		%REC	1	1/12/2009 11:32 AM
Surr: Toluene-d8	104	0	70-130		%REC	1	1/12/2009 11:32 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_OW2_010909
Lab Order:	103192	**Collection Date:**	1/9/2009 2:15:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103192-002A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_090112A** QC Batch: **A09VW008** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 11:53 AM
1,1,1-Trichloroethane	ND	0.14	0.50		µg/L	1	1/12/2009 11:53 AM
1,1,2,2-Tetrachloroethane	ND	0.34	0.50		µg/L	1	1/12/2009 11:53 AM
1,1,2-Trichloroethane	ND	0.13	0.50		µg/L	1	1/12/2009 11:53 AM
1,1-Dichloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 11:53 AM
1,1-Dichloroethene	1.8	0.23	0.50		µg/L	1	1/12/2009 11:53 AM
1,1-Dichloropropene	ND	0.17	0.50		µg/L	1	1/12/2009 11:53 AM
1,2,3-Trichlorobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 11:53 AM
1,2,3-Trichloropropane	ND	0.24	0.50		µg/L	1	1/12/2009 11:53 AM
1,2,4-Trichlorobenzene	ND	0.14	0.50		µg/L	1	1/12/2009 11:53 AM
1,2,4-Trimethylbenzene	ND	0.11	0.50		µg/L	1	1/12/2009 11:53 AM
1,2-Dibromo-3-chloropropane	ND	0.39	0.50		µg/L	1	1/12/2009 11:53 AM
1,2-Dibromoethane	ND	0.20	0.50		µg/L	1	1/12/2009 11:53 AM
1,2-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 11:53 AM
1,2-Dichloroethane	ND	0.10	0.50		µg/L	1	1/12/2009 11:53 AM
1,2-Dichloropropane	ND	0.12	0.50		µg/L	1	1/12/2009 11:53 AM
1,3,5-Trimethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 11:53 AM
1,3-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 11:53 AM
1,3-Dichloropropane	ND	0.090	0.50		µg/L	1	1/12/2009 11:53 AM
1,4-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 11:53 AM
2,2-Dichloropropane	ND	0.18	0.50		µg/L	1	1/12/2009 11:53 AM
2-Chlorotoluene	ND	0.11	0.50		µg/L	1	1/12/2009 11:53 AM
4-Chlorotoluene	ND	0.14	0.50		µg/L	1	1/12/2009 11:53 AM
4-Isopropyltoluene	ND	0.12	0.50		µg/L	1	1/12/2009 11:53 AM
Benzene	ND	0.080	0.50		µg/L	1	1/12/2009 11:53 AM
Bromobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 11:53 AM
Bromodichloromethane	ND	0.15	0.50		µg/L	1	1/12/2009 11:53 AM
Bromoform	ND	0.13	0.50		µg/L	1	1/12/2009 11:53 AM
Bromomethane	ND	0.42	0.50		µg/L	1	1/12/2009 11:53 AM
Carbon tetrachloride	ND	0.17	0.50		µg/L	1	1/12/2009 11:53 AM
Chlorobenzene	ND	0.090	0.50		µg/L	1	1/12/2009 11:53 AM
Chloroethane	ND	0.25	0.50		µg/L	1	1/12/2009 11:53 AM
Chloroform	ND	0.12	0.50		µg/L	1	1/12/2009 11:53 AM
Chloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 11:53 AM
cis-1,2-Dichloroethene	3.8	0.13	0.50		µg/L	1	1/12/2009 11:53 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_OW2_010909
Lab Order:	103192	**Collection Date:**	1/9/2009 2:15:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103192-002A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_090112A** QC Batch: **A09VW008** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.10	0.50		µg/L	1	1/12/2009 11:53 AM
Dibromochloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 11:53 AM
Dibromomethane	ND	0.14	0.50		µg/L	1	1/12/2009 11:53 AM
Dichlorodifluoromethane	ND	0.46	0.50		µg/L	1	1/12/2009 11:53 AM
Ethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 11:53 AM
Hexachlorobutadiene	ND	0.19	0.50		µg/L	1	1/12/2009 11:53 AM
Isopropylbenzene	ND	0.13	0.50		µg/L	1	1/12/2009 11:53 AM
m,p-Xylene	ND	0.23	1.0		µg/L	1	1/12/2009 11:53 AM
Methylene chloride	ND	1.0	1.0		µg/L	1	1/12/2009 11:53 AM
n-Butylbenzene	ND	0.14	0.50		µg/L	1	1/12/2009 11:53 AM
n-Propylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 11:53 AM
Naphthalene	ND	0.16	0.50		µg/L	1	1/12/2009 11:53 AM
o-Xylene	ND	0.18	0.50		µg/L	1	1/12/2009 11:53 AM
sec-Butylbenzene	ND	0.15	0.50		µg/L	1	1/12/2009 11:53 AM
Styrene	ND	0.15	0.50		µg/L	1	1/12/2009 11:53 AM
tert-Butylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 11:53 AM
Tetrachloroethene	3.4	0.18	0.50		µg/L	1	1/12/2009 11:53 AM
Toluene	ND	0.17	0.50		µg/L	1	1/12/2009 11:53 AM
trans-1,2-Dichloroethene	ND	0.12	0.50		µg/L	1	1/12/2009 11:53 AM
Trichloroethene	4.2	0.12	0.50		µg/L	1	1/12/2009 11:53 AM
Trichlorofluoromethane	ND	0.50	0.50		µg/L	1	1/12/2009 11:53 AM
Vinyl chloride	1.8	0.17	0.50		µg/L	1	1/12/2009 11:53 AM
Surr: 1,2-Dichloroethane-d4	116	0	70-130		%REC	1	1/12/2009 11:53 AM
Surr: 4-Bromofluorobenzene	93.7	0	70-130		%REC	1	1/12/2009 11:53 AM
Surr: Dibromofluoromethane	113	0	70-130		%REC	1	1/12/2009 11:53 AM
Surr: Toluene-d8	103	0	70-130		%REC	1	1/12/2009 11:53 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	30ECH_OW_010909
Lab Order:	103192	**Collection Date:**	1/9/2009 1:43:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103192-003A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_090112A** QC Batch: **A09VW008** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 12:14 PM
1,1,1-Trichloroethane	ND	0.14	0.50		µg/L	1	1/12/2009 12:14 PM
1,1,2,2-Tetrachloroethane	ND	0.34	0.50		µg/L	1	1/12/2009 12:14 PM
1,1,2-Trichloroethane	ND	0.13	0.50		µg/L	1	1/12/2009 12:14 PM
1,1-Dichloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 12:14 PM
1,1-Dichloroethene	ND	0.23	0.50		µg/L	1	1/12/2009 12:14 PM
1,1-Dichloropropene	ND	0.17	0.50		µg/L	1	1/12/2009 12:14 PM
1,2,3-Trichlorobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 12:14 PM
1,2,3-Trichloropropane	ND	0.24	0.50		µg/L	1	1/12/2009 12:14 PM
1,2,4-Trichlorobenzene	ND	0.14	0.50		µg/L	1	1/12/2009 12:14 PM
1,2,4-Trimethylbenzene	ND	0.11	0.50		µg/L	1	1/12/2009 12:14 PM
1,2-Dibromo-3-chloropropane	ND	0.39	0.50		µg/L	1	1/12/2009 12:14 PM
1,2-Dibromoethane	ND	0.20	0.50		µg/L	1	1/12/2009 12:14 PM
1,2-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 12:14 PM
1,2-Dichloroethane	ND	0.10	0.50		µg/L	1	1/12/2009 12:14 PM
1,2-Dichloropropane	ND	0.12	0.50		µg/L	1	1/12/2009 12:14 PM
1,3,5-Trimethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 12:14 PM
1,3-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 12:14 PM
1,3-Dichloropropane	ND	0.090	0.50		µg/L	1	1/12/2009 12:14 PM
1,4-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 12:14 PM
2,2-Dichloropropane	ND	0.18	0.50		µg/L	1	1/12/2009 12:14 PM
2-Chlorotoluene	ND	0.11	0.50		µg/L	1	1/12/2009 12:14 PM
4-Chlorotoluene	ND	0.14	0.50		µg/L	1	1/12/2009 12:14 PM
4-Isopropyltoluene	ND	0.12	0.50		µg/L	1	1/12/2009 12:14 PM
Benzene	ND	0.080	0.50		µg/L	1	1/12/2009 12:14 PM
Bromobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 12:14 PM
Bromodichloromethane	ND	0.15	0.50		µg/L	1	1/12/2009 12:14 PM
Bromoform	ND	0.13	0.50		µg/L	1	1/12/2009 12:14 PM
Bromomethane	ND	0.42	0.50		µg/L	1	1/12/2009 12:14 PM
Carbon tetrachloride	ND	0.17	0.50		µg/L	1	1/12/2009 12:14 PM
Chlorobenzene	ND	0.090	0.50		µg/L	1	1/12/2009 12:14 PM
Chloroethane	ND	0.25	0.50		µg/L	1	1/12/2009 12:14 PM
Chloroform	ND	0.12	0.50		µg/L	1	1/12/2009 12:14 PM
Chloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 12:14 PM
cis-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	1/12/2009 12:14 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	30ECH_OW_010909
Lab Order:	103192	**Collection Date:**	1/9/2009 1:43:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103192-003A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS11_090112A**	QC Batch: **A09VW008**				PrepDate:		Analyst: **SLL**
cis-1,3-Dichloropropene	ND	0.10	0.50		µg/L	1	1/12/2009 12:14 PM
Dibromochloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 12:14 PM
Dibromomethane	ND	0.14	0.50		µg/L	1	1/12/2009 12:14 PM
Dichlorodifluoromethane	ND	0.46	0.50		µg/L	1	1/12/2009 12:14 PM
Ethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 12:14 PM
Hexachlorobutadiene	ND	0.19	0.50		µg/L	1	1/12/2009 12:14 PM
Isopropylbenzene	ND	0.13	0.50		µg/L	1	1/12/2009 12:14 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	1/12/2009 12:14 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	1/12/2009 12:14 PM
n-Butylbenzene	ND	0.14	0.50		µg/L	1	1/12/2009 12:14 PM
n-Propylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 12:14 PM
Naphthalene	ND	0.16	0.50		µg/L	1	1/12/2009 12:14 PM
o-Xylene	ND	0.18	0.50		µg/L	1	1/12/2009 12:14 PM
sec-Butylbenzene	ND	0.15	0.50		µg/L	1	1/12/2009 12:14 PM
Styrene	ND	0.15	0.50		µg/L	1	1/12/2009 12:14 PM
tert-Butylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 12:14 PM
Tetrachloroethene	ND	0.18	0.50		µg/L	1	1/12/2009 12:14 PM
Toluene	ND	0.17	0.50		µg/L	1	1/12/2009 12:14 PM
trans-1,2-Dichloroethene	ND	0.12	0.50		µg/L	1	1/12/2009 12:14 PM
Trichloroethene	ND	0.12	0.50		µg/L	1	1/12/2009 12:14 PM
Trichlorofluoromethane	ND	0.50	0.50		µg/L	1	1/12/2009 12:14 PM
Vinyl chloride	ND	0.17	0.50		µg/L	1	1/12/2009 12:14 PM
Surr: 1,2-Dichloroethane-d4	118	0	70-130		%REC	1	1/12/2009 12:14 PM
Surr: 4-Bromofluorobenzene	93.8	0	70-130		%REC	1	1/12/2009 12:14 PM
Surr: Dibromofluoromethane	111	0	70-130		%REC	1	1/12/2009 12:14 PM
Surr: Toluene-d8	106	0	70-130		%REC	1	1/12/2009 12:14 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_OW2_010909_02
Lab Order:	103192	**Collection Date:**	1/9/2009 2:45:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103192-004A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_090112A** QC Batch: **A09VW008** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 12:35 PM
1,1,1-Trichloroethane	ND	0.14	0.50		µg/L	1	1/12/2009 12:35 PM
1,1,2,2-Tetrachloroethane	ND	0.34	0.50		µg/L	1	1/12/2009 12:35 PM
1,1,2-Trichloroethane	ND	0.13	0.50		µg/L	1	1/12/2009 12:35 PM
1,1-Dichloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 12:35 PM
1,1-Dichloroethene	1.8	0.23	0.50		µg/L	1	1/12/2009 12:35 PM
1,1-Dichloropropene	ND	0.17	0.50		µg/L	1	1/12/2009 12:35 PM
1,2,3-Trichlorobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 12:35 PM
1,2,3-Trichloropropane	ND	0.24	0.50		µg/L	1	1/12/2009 12:35 PM
1,2,4-Trichlorobenzene	ND	0.14	0.50		µg/L	1	1/12/2009 12:35 PM
1,2,4-Trimethylbenzene	ND	0.11	0.50		µg/L	1	1/12/2009 12:35 PM
1,2-Dibromo-3-chloropropane	ND	0.39	0.50		µg/L	1	1/12/2009 12:35 PM
1,2-Dibromoethane	ND	0.20	0.50		µg/L	1	1/12/2009 12:35 PM
1,2-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 12:35 PM
1,2-Dichloroethane	ND	0.10	0.50		µg/L	1	1/12/2009 12:35 PM
1,2-Dichloropropane	ND	0.12	0.50		µg/L	1	1/12/2009 12:35 PM
1,3,5-Trimethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 12:35 PM
1,3-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 12:35 PM
1,3-Dichloropropane	ND	0.090	0.50		µg/L	1	1/12/2009 12:35 PM
1,4-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 12:35 PM
2,2-Dichloropropane	ND	0.18	0.50		µg/L	1	1/12/2009 12:35 PM
2-Chlorotoluene	ND	0.11	0.50		µg/L	1	1/12/2009 12:35 PM
4-Chlorotoluene	ND	0.14	0.50		µg/L	1	1/12/2009 12:35 PM
4-Isopropyltoluene	ND	0.12	0.50		µg/L	1	1/12/2009 12:35 PM
Benzene	ND	0.080	0.50		µg/L	1	1/12/2009 12:35 PM
Bromobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 12:35 PM
Bromodichloromethane	ND	0.15	0.50		µg/L	1	1/12/2009 12:35 PM
Bromoform	ND	0.13	0.50		µg/L	1	1/12/2009 12:35 PM
Bromomethane	ND	0.42	0.50		µg/L	1	1/12/2009 12:35 PM
Carbon tetrachloride	ND	0.17	0.50		µg/L	1	1/12/2009 12:35 PM
Chlorobenzene	ND	0.090	0.50		µg/L	1	1/12/2009 12:35 PM
Chloroethane	ND	0.25	0.50		µg/L	1	1/12/2009 12:35 PM
Chloroform	ND	0.12	0.50		µg/L	1	1/12/2009 12:35 PM
Chloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 12:35 PM
cis-1,2-Dichloroethene	3.7	0.13	0.50		µg/L	1	1/12/2009 12:35 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	60CH_OW2_010909_02
Lab Order:	103192	**Collection Date:**	1/9/2009 2:45:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103192-004A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_090112A** QC Batch: **A09VW008** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.10	0.50		µg/L	1	1/12/2009 12:35 PM
Dibromochloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 12:35 PM
Dibromomethane	ND	0.14	0.50		µg/L	1	1/12/2009 12:35 PM
Dichlorodifluoromethane	ND	0.46	0.50		µg/L	1	1/12/2009 12:35 PM
Ethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 12:35 PM
Hexachlorobutadiene	ND	0.19	0.50		µg/L	1	1/12/2009 12:35 PM
Isopropylbenzene	ND	0.13	0.50		µg/L	1	1/12/2009 12:35 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	1/12/2009 12:35 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	1/12/2009 12:35 PM
n-Butylbenzene	ND	0.14	0.50		µg/L	1	1/12/2009 12:35 PM
n-Propylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 12:35 PM
Naphthalene	ND	0.16	0.50		µg/L	1	1/12/2009 12:35 PM
o-Xylene	ND	0.18	0.50		µg/L	1	1/12/2009 12:35 PM
sec-Butylbenzene	ND	0.15	0.50		µg/L	1	1/12/2009 12:35 PM
Styrene	ND	0.15	0.50		µg/L	1	1/12/2009 12:35 PM
tert-Butylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 12:35 PM
Tetrachloroethene	3.3	0.18	0.50		µg/L	1	1/12/2009 12:35 PM
Toluene	ND	0.17	0.50		µg/L	1	1/12/2009 12:35 PM
trans-1,2-Dichloroethene	ND	0.12	0.50		µg/L	1	1/12/2009 12:35 PM
Trichloroethene	4.0	0.12	0.50		µg/L	1	1/12/2009 12:35 PM
Trichlorofluoromethane	ND	0.50	0.50		µg/L	1	1/12/2009 12:35 PM
Vinyl chloride	1.7	0.17	0.50		µg/L	1	1/12/2009 12:35 PM
Surr: 1,2-Dichloroethane-d4	118	0	70-130		%REC	1	1/12/2009 12:35 PM
Surr: 4-Bromofluorobenzene	94.9	0	70-130		%REC	1	1/12/2009 12:35 PM
Surr: Dibromofluoromethane	115	0	70-130		%REC	1	1/12/2009 12:35 PM
Surr: Toluene-d8	105	0	70-130		%REC	1	1/12/2009 12:35 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	TB_02_010909
Lab Order:	103192	**Collection Date:**	1/9/2009
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103192-005A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_090112A** QC Batch: **A09VW008** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 10:07 AM
1,1,1-Trichloroethane	ND	0.14	0.50		µg/L	1	1/12/2009 10:07 AM
1,1,2,2-Tetrachloroethane	ND	0.34	0.50		µg/L	1	1/12/2009 10:07 AM
1,1,2-Trichloroethane	ND	0.13	0.50		µg/L	1	1/12/2009 10:07 AM
1,1-Dichloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 10:07 AM
1,1-Dichloroethene	ND	0.23	0.50		µg/L	1	1/12/2009 10:07 AM
1,1-Dichloropropene	ND	0.17	0.50		µg/L	1	1/12/2009 10:07 AM
1,2,3-Trichlorobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 10:07 AM
1,2,3-Trichloropropane	ND	0.24	0.50		µg/L	1	1/12/2009 10:07 AM
1,2,4-Trichlorobenzene	ND	0.14	0.50		µg/L	1	1/12/2009 10:07 AM
1,2,4-Trimethylbenzene	ND	0.11	0.50		µg/L	1	1/12/2009 10:07 AM
1,2-Dibromo-3-chloropropane	ND	0.39	0.50		µg/L	1	1/12/2009 10:07 AM
1,2-Dibromoethane	ND	0.20	0.50		µg/L	1	1/12/2009 10:07 AM
1,2-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 10:07 AM
1,2-Dichloroethane	ND	0.10	0.50		µg/L	1	1/12/2009 10:07 AM
1,2-Dichloropropane	ND	0.12	0.50		µg/L	1	1/12/2009 10:07 AM
1,3,5-Trimethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 10:07 AM
1,3-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 10:07 AM
1,3-Dichloropropane	ND	0.090	0.50		µg/L	1	1/12/2009 10:07 AM
1,4-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 10:07 AM
2,2-Dichloropropane	ND	0.18	0.50		µg/L	1	1/12/2009 10:07 AM
2-Chlorotoluene	ND	0.11	0.50		µg/L	1	1/12/2009 10:07 AM
4-Chlorotoluene	ND	0.14	0.50		µg/L	1	1/12/2009 10:07 AM
4-Isopropyltoluene	ND	0.12	0.50		µg/L	1	1/12/2009 10:07 AM
Benzene	ND	0.080	0.50		µg/L	1	1/12/2009 10:07 AM
Bromobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 10:07 AM
Bromodichloromethane	ND	0.15	0.50		µg/L	1	1/12/2009 10:07 AM
Bromoform	ND	0.13	0.50		µg/L	1	1/12/2009 10:07 AM
Bromomethane	ND	0.42	0.50		µg/L	1	1/12/2009 10:07 AM
Carbon tetrachloride	ND	0.17	0.50		µg/L	1	1/12/2009 10:07 AM
Chlorobenzene	ND	0.090	0.50		µg/L	1	1/12/2009 10:07 AM
Chloroethane	ND	0.25	0.50		µg/L	1	1/12/2009 10:07 AM
Chloroform	ND	0.12	0.50		µg/L	1	1/12/2009 10:07 AM
Chloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 10:07 AM
cis-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	1/12/2009 10:07 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	TB_02_010909
Lab Order:	103192	**Collection Date:**	1/9/2009
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103192-005A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_090112A** QC Batch: **A09VW008** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.10	0.50		µg/L	1	1/12/2009 10:07 AM
Dibromochloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 10:07 AM
Dibromomethane	ND	0.14	0.50		µg/L	1	1/12/2009 10:07 AM
Dichlorodifluoromethane	ND	0.46	0.50		µg/L	1	1/12/2009 10:07 AM
Ethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 10:07 AM
Hexachlorobutadiene	ND	0.19	0.50		µg/L	1	1/12/2009 10:07 AM
Isopropylbenzene	ND	0.13	0.50		µg/L	1	1/12/2009 10:07 AM
m,p-Xylene	0.65	0.23	1.0	J	µg/L	1	1/12/2009 10:07 AM
Methylene chloride	ND	1.0	1.0		µg/L	1	1/12/2009 10:07 AM
n-Butylbenzene	ND	0.14	0.50		µg/L	1	1/12/2009 10:07 AM
n-Propylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 10:07 AM
Naphthalene	ND	0.16	0.50		µg/L	1	1/12/2009 10:07 AM
o-Xylene	ND	0.18	0.50		µg/L	1	1/12/2009 10:07 AM
sec-Butylbenzene	ND	0.15	0.50		µg/L	1	1/12/2009 10:07 AM
Styrene	ND	0.15	0.50		µg/L	1	1/12/2009 10:07 AM
tert-Butylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 10:07 AM
Tetrachloroethene	ND	0.18	0.50		µg/L	1	1/12/2009 10:07 AM
Toluene	2.4	0.17	0.50		µg/L	1	1/12/2009 10:07 AM
trans-1,2-Dichloroethene	ND	0.12	0.50		µg/L	1	1/12/2009 10:07 AM
Trichloroethene	ND	0.12	0.50		µg/L	1	1/12/2009 10:07 AM
Trichlorofluoromethane	ND	0.50	0.50		µg/L	1	1/12/2009 10:07 AM
Vinyl chloride	ND	0.17	0.50		µg/L	1	1/12/2009 10:07 AM
Surr: 1,2-Dichloroethane-d4	107	0	70-130		%REC	1	1/12/2009 10:07 AM
Surr: 4-Bromofluorobenzene	94.5	0	70-130		%REC	1	1/12/2009 10:07 AM
Surr: Dibromofluoromethane	110	0	70-130		%REC	1	1/12/2009 10:07 AM
Surr: Toluene-d8	103	0	70-130		%REC	1	1/12/2009 10:07 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Haley & Aldrich
Work Order: 103192
Project: Former TRA Site, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A090112LCS1** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **104308**
Client ID: **LCSW** Batch ID: **A09VW008** TestNo: **EPA 8260B** Analysis Date: **1/12/2009** SeqNo: **1630145**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	16.230	0.50	20.00	0	81.2	70	130				
Benzene	35.840	0.50	40.00	0	89.6	70	130				
Chlorobenzene	18.590	0.50	20.00	0	93.0	70	130				
MTBE	18.420	0.50	20.00	0	92.1	70	130				
Toluene	37.210	0.50	40.00	0	93.0	70	130				
Trichloroethene	18.280	0.50	20.00	0	91.4	70	130				
Surr: 1,2-Dichloroethane-d4	27.410		25.00		110	70	130				
Surr: 4-Bromofluorobenzene	24.590		25.00		98.4	70	130				
Surr: Dibromofluoromethane	28.180		25.00		113	70	130				
Surr: Toluene-d8	26.420		25.00		106	70	130				

Sample ID: **A090112MB2MS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **104308**
Client ID: **ZZZZZZ** Batch ID: **A09VW008** TestNo: **EPA 8260B** Analysis Date: **1/12/2009** SeqNo: **1630146**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.200	0.50	20.00	0	86.0	70	130				
Benzene	37.680	0.50	40.00	0	94.2	70	130				
Chlorobenzene	19.610	0.50	20.00	0	98.0	70	130				
Toluene	39.040	0.50	40.00	0	97.6	70	130				
Trichloroethene	19.600	0.50	20.00	0	98.0	70	130				
Surr: 1,2-Dichloroethane-d4	26.950		25.00		108	70	130				
Surr: 4-Bromofluorobenzene	25.090		25.00		100	70	130				
Surr: Dibromofluoromethane	27.700		25.00		111	70	130				
Surr: Toluene-d8	26.210		25.00		105	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 103192
Project: Former TRA Site, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A090112MB2MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **104308**
Client ID: **ZZZZZZ** Batch ID: **A09VW008** TestNo: **EPA 8260B** Analysis Date: **1/12/2009** SeqNo: **1630147**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.370	0.50	20.00	0	86.9	70	130	17.20	0.984	20	
Benzene	36.630	0.50	40.00	0	91.6	70	130	37.68	2.83	20	
Chlorobenzene	19.020	0.50	20.00	0	95.1	70	130	19.61	3.05	20	
Toluene	38.240	0.50	40.00	0	95.6	70	130	39.04	2.07	20	
Trichloroethene	19.290	0.50	20.00	0	96.5	70	130	19.60	1.59	20	
Surr: 1,2-Dichloroethane-d4	27.320		25.00		109	70	130		0	20	
Surr: 4-Bromofluorobenzene	25.060		25.00		100	70	130		0	20	
Surr: Dibromofluoromethane	27.970		25.00		112	70	130		0	20	
Surr: Toluene-d8	26.590		25.00		106	70	130		0	20	

Sample ID: **A090112MB2** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **104308**
Client ID: **PBW** Batch ID: **A09VW008** TestNo: **EPA 8260B** Analysis Date: **1/12/2009** SeqNo: **1630148**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 103192
Project: Former TRA Site, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A090112MB2** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **104308**
Client ID: **PBW** Batch ID: **A09VW008** TestNo: **EPA 8260B** Analysis Date: **1/12/2009** SeqNo: **1630148**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	0.50									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Haley & Aldrich
Work Order: 103192
Project: Former TRA Site, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A090112MB2** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **104308**
Client ID: **PBW** Batch ID: **A09VW008** TestNo: **EPA 8260B** Analysis Date: **1/12/2009** SeqNo: **1630148**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	26.440		25.00		106	70	130				
Surr: 4-Bromofluorobenzene	23.770		25.00		95.1	70	130				
Surr: Dibromofluoromethane	27.250		25.00		109	70	130				
Surr: Toluene-d8	26.110		25.00		104	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

Pg 1 of 1

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____
Logged By: _____ Date: 1/9/09

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Haley & Aldrich
Attn: Beth Breitenbach
Address: 9640 Friars Rd Ste 220
City San Diego State CA Zip Code 92108
TEL: (619) 285-7109
FAX: (619) 285-7159

Project Name: Former TRA Site Project #: 32022-100
Sampler: (Printed Name) Beth Breitenbach (Signature) Beth Breitenbach

Relinquished by: (Signature and Printed Name) Beth Breitenbach	Date: 1/9/09	Time: 1645	Received by: (Signature and Printed Name)	Date: 1/9/09	Time: 1645
Relinquished by: (Signature and Printed Name)	Date: 1/9/09	Time: 1845	Received by: (Signature and Printed Name)	Date: 1/9/09	Time: 1845
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Beth Breitenbach _____
Print Name Date
Beth Breitenbach
Signature

Send Report To:
Attn: Beth
Co: HGA
Address _____
City _____ State _____ Zip _____

Bill To:
Attn: ACCT
Co: HGA
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

Q A / Q C
RTNE ☐
CT ☐
SWRCB ☐
Logcode ____
OTHER ____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	REMARKS
	103192-1	60CH-GW-010909	1/9/09	1410		X									X			E	3	40 mL HCl	
	-2	60CH-GW2-010909		1415		X									X			E	3	40 mL HCl	
	-3	30ECH-GW-010909		1343		X									X			E	3	40 mL HCl	
	-4	60CH-GW2-010909-02		1445		X									X			E	3	40 mL HCl	
	-5	TB-02-010909		—		X									X			E	2	40 mL	

- TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=Hcl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

January 16, 2009

Beth Breitenbach
Haley & Aldrich
9040 Friars Road, Suite 220
San Diego, CA 92108
TEL: (619) 285-7109
FAX: (619) 280-9415

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 103193

RE: Former TRA Site, 32022-100

Attention: Beth Breitenbach

Enclosed are the results for sample(s) received on January 09, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

CLIENT: Haley & Aldrich
Project: Former TRA Site, 32022-100
Lab Order: 103193

CASE NARRATIVE

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *16-Jan-09*

CLIENT: Haley & Aldrich
Project: Former TRA Site, 32022-100
Lab Order: 103193
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
103193-001A	CB134_SW_010909	Water	1/9/2009 2:10:00 PM	1/9/2009	1/16/2009
103193-002A	CB133_SW_010909	Water	1/9/2009 2:55:00 PM	1/9/2009	1/16/2009
103193-003A	CB131_30S_SW_010909	Water	1/9/2009 3:15:00 PM	1/9/2009	1/16/2009
103193-004A	CB133_15N_SW_010909	Water	1/9/2009 3:10:00 PM	1/9/2009	1/16/2009
103193-005A	CB201_SW_010909	Water	1/9/2009 12:20:00 PM	1/9/2009	1/16/2009

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB134_SW_010909
Lab Order:	103193	**Collection Date:**	1/9/2009 2:10:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103193-001A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_090112A** QC Batch: **A09VW008** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 12:55 PM
1,1,1-Trichloroethane	ND	0.14	0.50		µg/L	1	1/12/2009 12:55 PM
1,1,2,2-Tetrachloroethane	ND	0.34	0.50		µg/L	1	1/12/2009 12:55 PM
1,1,2-Trichloroethane	ND	0.13	0.50		µg/L	1	1/12/2009 12:55 PM
1,1-Dichloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 12:55 PM
1,1-Dichloroethene	2.1	0.23	0.50		µg/L	1	1/12/2009 12:55 PM
1,1-Dichloropropene	ND	0.17	0.50		µg/L	1	1/12/2009 12:55 PM
1,2,3-Trichlorobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 12:55 PM
1,2,3-Trichloropropane	ND	0.24	0.50		µg/L	1	1/12/2009 12:55 PM
1,2,4-Trichlorobenzene	ND	0.14	0.50		µg/L	1	1/12/2009 12:55 PM
1,2,4-Trimethylbenzene	ND	0.11	0.50		µg/L	1	1/12/2009 12:55 PM
1,2-Dibromo-3-chloropropane	ND	0.39	0.50		µg/L	1	1/12/2009 12:55 PM
1,2-Dibromoethane	ND	0.20	0.50		µg/L	1	1/12/2009 12:55 PM
1,2-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 12:55 PM
1,2-Dichloroethane	ND	0.10	0.50		µg/L	1	1/12/2009 12:55 PM
1,2-Dichloropropane	ND	0.12	0.50		µg/L	1	1/12/2009 12:55 PM
1,3,5-Trimethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 12:55 PM
1,3-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 12:55 PM
1,3-Dichloropropane	ND	0.090	0.50		µg/L	1	1/12/2009 12:55 PM
1,4-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 12:55 PM
2,2-Dichloropropane	ND	0.18	0.50		µg/L	1	1/12/2009 12:55 PM
2-Chlorotoluene	ND	0.11	0.50		µg/L	1	1/12/2009 12:55 PM
4-Chlorotoluene	ND	0.14	0.50		µg/L	1	1/12/2009 12:55 PM
4-Isopropyltoluene	ND	0.12	0.50		µg/L	1	1/12/2009 12:55 PM
Benzene	ND	0.080	0.50		µg/L	1	1/12/2009 12:55 PM
Bromobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 12:55 PM
Bromodichloromethane	ND	0.15	0.50		µg/L	1	1/12/2009 12:55 PM
Bromoform	ND	0.13	0.50		µg/L	1	1/12/2009 12:55 PM
Bromomethane	ND	0.42	0.50		µg/L	1	1/12/2009 12:55 PM
Carbon tetrachloride	ND	0.17	0.50		µg/L	1	1/12/2009 12:55 PM
Chlorobenzene	ND	0.090	0.50		µg/L	1	1/12/2009 12:55 PM
Chloroethane	ND	0.25	0.50		µg/L	1	1/12/2009 12:55 PM
Chloroform	ND	0.12	0.50		µg/L	1	1/12/2009 12:55 PM
Chloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 12:55 PM
cis-1,2-Dichloroethene	4.1	0.13	0.50		µg/L	1	1/12/2009 12:55 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB134_SW_010909
Lab Order:	103193	**Collection Date:**	1/9/2009 2:10:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103193-001A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS11_090112A**	QC Batch: **A09VW008**				PrepDate:		Analyst: **SLL**
cis-1,3-Dichloropropene	ND	0.10	0.50		µg/L	1	1/12/2009 12:55 PM
Dibromochloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 12:55 PM
Dibromomethane	ND	0.14	0.50		µg/L	1	1/12/2009 12:55 PM
Dichlorodifluoromethane	ND	0.46	0.50		µg/L	1	1/12/2009 12:55 PM
Ethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 12:55 PM
Hexachlorobutadiene	ND	0.19	0.50		µg/L	1	1/12/2009 12:55 PM
Isopropylbenzene	ND	0.13	0.50		µg/L	1	1/12/2009 12:55 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	1/12/2009 12:55 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	1/12/2009 12:55 PM
n-Butylbenzene	ND	0.14	0.50		µg/L	1	1/12/2009 12:55 PM
n-Propylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 12:55 PM
Naphthalene	ND	0.16	0.50		µg/L	1	1/12/2009 12:55 PM
o-Xylene	ND	0.18	0.50		µg/L	1	1/12/2009 12:55 PM
sec-Butylbenzene	ND	0.15	0.50		µg/L	1	1/12/2009 12:55 PM
Styrene	ND	0.15	0.50		µg/L	1	1/12/2009 12:55 PM
tert-Butylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 12:55 PM
Tetrachloroethene	3.8	0.18	0.50		µg/L	1	1/12/2009 12:55 PM
Toluene	ND	0.17	0.50		µg/L	1	1/12/2009 12:55 PM
trans-1,2-Dichloroethene	ND	0.12	0.50		µg/L	1	1/12/2009 12:55 PM
Trichloroethene	4.6	0.12	0.50		µg/L	1	1/12/2009 12:55 PM
Trichlorofluoromethane	ND	0.50	0.50		µg/L	1	1/12/2009 12:55 PM
Vinyl chloride	2.0	0.17	0.50		µg/L	1	1/12/2009 12:55 PM
Surr: 1,2-Dichloroethane-d4	119	0	70-130		%REC	1	1/12/2009 12:55 PM
Surr: 4-Bromofluorobenzene	93.8	0	70-130		%REC	1	1/12/2009 12:55 PM
Surr: Dibromofluoromethane	111	0	70-130		%REC	1	1/12/2009 12:55 PM
Surr: Toluene-d8	104	0	70-130		%REC	1	1/12/2009 12:55 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB133_SW_010909
Lab Order:	103193	**Collection Date:**	1/9/2009 2:55:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103193-002A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_090112A** QC Batch: **A09VW008** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 01:35 PM
1,1,1-Trichloroethane	ND	0.14	0.50		µg/L	1	1/12/2009 01:35 PM
1,1,2,2-Tetrachloroethane	ND	0.34	0.50		µg/L	1	1/12/2009 01:35 PM
1,1,2-Trichloroethane	ND	0.13	0.50		µg/L	1	1/12/2009 01:35 PM
1,1-Dichloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 01:35 PM
1,1-Dichloroethene	2.0	0.23	0.50		µg/L	1	1/12/2009 01:35 PM
1,1-Dichloropropene	ND	0.17	0.50		µg/L	1	1/12/2009 01:35 PM
1,2,3-Trichlorobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 01:35 PM
1,2,3-Trichloropropane	ND	0.24	0.50		µg/L	1	1/12/2009 01:35 PM
1,2,4-Trichlorobenzene	ND	0.14	0.50		µg/L	1	1/12/2009 01:35 PM
1,2,4-Trimethylbenzene	ND	0.11	0.50		µg/L	1	1/12/2009 01:35 PM
1,2-Dibromo-3-chloropropane	ND	0.39	0.50		µg/L	1	1/12/2009 01:35 PM
1,2-Dibromoethane	ND	0.20	0.50		µg/L	1	1/12/2009 01:35 PM
1,2-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 01:35 PM
1,2-Dichloroethane	ND	0.10	0.50		µg/L	1	1/12/2009 01:35 PM
1,2-Dichloropropane	ND	0.12	0.50		µg/L	1	1/12/2009 01:35 PM
1,3,5-Trimethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 01:35 PM
1,3-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 01:35 PM
1,3-Dichloropropane	ND	0.090	0.50		µg/L	1	1/12/2009 01:35 PM
1,4-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 01:35 PM
2,2-Dichloropropane	ND	0.18	0.50		µg/L	1	1/12/2009 01:35 PM
2-Chlorotoluene	ND	0.11	0.50		µg/L	1	1/12/2009 01:35 PM
4-Chlorotoluene	ND	0.14	0.50		µg/L	1	1/12/2009 01:35 PM
4-Isopropyltoluene	ND	0.12	0.50		µg/L	1	1/12/2009 01:35 PM
Benzene	ND	0.080	0.50		µg/L	1	1/12/2009 01:35 PM
Bromobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 01:35 PM
Bromodichloromethane	ND	0.15	0.50		µg/L	1	1/12/2009 01:35 PM
Bromoform	ND	0.13	0.50		µg/L	1	1/12/2009 01:35 PM
Bromomethane	ND	0.42	0.50		µg/L	1	1/12/2009 01:35 PM
Carbon tetrachloride	ND	0.17	0.50		µg/L	1	1/12/2009 01:35 PM
Chlorobenzene	ND	0.090	0.50		µg/L	1	1/12/2009 01:35 PM
Chloroethane	ND	0.25	0.50		µg/L	1	1/12/2009 01:35 PM
Chloroform	ND	0.12	0.50		µg/L	1	1/12/2009 01:35 PM
Chloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 01:35 PM
cis-1,2-Dichloroethene	3.8	0.13	0.50		µg/L	1	1/12/2009 01:35 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB133_SW_010909
Lab Order:	103193	**Collection Date:**	1/9/2009 2:55:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103193-002A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS11_090112A**	QC Batch: **A09VW008**				PrepDate:		Analyst: **SLL**
cis-1,3-Dichloropropene	ND	0.10	0.50		µg/L	1	1/12/2009 01:35 PM
Dibromochloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 01:35 PM
Dibromomethane	ND	0.14	0.50		µg/L	1	1/12/2009 01:35 PM
Dichlorodifluoromethane	ND	0.46	0.50		µg/L	1	1/12/2009 01:35 PM
Ethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 01:35 PM
Hexachlorobutadiene	ND	0.19	0.50		µg/L	1	1/12/2009 01:35 PM
Isopropylbenzene	ND	0.13	0.50		µg/L	1	1/12/2009 01:35 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	1/12/2009 01:35 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	1/12/2009 01:35 PM
n-Butylbenzene	ND	0.14	0.50		µg/L	1	1/12/2009 01:35 PM
n-Propylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 01:35 PM
Naphthalene	ND	0.16	0.50		µg/L	1	1/12/2009 01:35 PM
o-Xylene	ND	0.18	0.50		µg/L	1	1/12/2009 01:35 PM
sec-Butylbenzene	ND	0.15	0.50		µg/L	1	1/12/2009 01:35 PM
Styrene	ND	0.15	0.50		µg/L	1	1/12/2009 01:35 PM
tert-Butylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 01:35 PM
Tetrachloroethene	3.2	0.18	0.50		µg/L	1	1/12/2009 01:35 PM
Toluene	ND	0.17	0.50		µg/L	1	1/12/2009 01:35 PM
trans-1,2-Dichloroethene	ND	0.12	0.50		µg/L	1	1/12/2009 01:35 PM
Trichloroethene	3.5	0.12	0.50		µg/L	1	1/12/2009 01:35 PM
Trichlorofluoromethane	ND	0.50	0.50		µg/L	1	1/12/2009 01:35 PM
Vinyl chloride	1.8	0.17	0.50		µg/L	1	1/12/2009 01:35 PM
Surr: 1,2-Dichloroethane-d4	114	0	70-130		%REC	1	1/12/2009 01:35 PM
Surr: 4-Bromofluorobenzene	93.0	0	70-130		%REC	1	1/12/2009 01:35 PM
Surr: Dibromofluoromethane	112	0	70-130		%REC	1	1/12/2009 01:35 PM
Surr: Toluene-d8	104	0	70-130		%REC	1	1/12/2009 01:35 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB131_30S_SW_010909
Lab Order:	103193	**Collection Date:**	1/9/2009 3:15:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103193-003A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS11_090112A**	QC Batch: **A09VW008**				PrepDate:		Analyst: **SLL**
1,1,1,2-Tetrachloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 01:56 PM
1,1,1-Trichloroethane	ND	0.14	0.50		µg/L	1	1/12/2009 01:56 PM
1,1,2,2-Tetrachloroethane	ND	0.34	0.50		µg/L	1	1/12/2009 01:56 PM
1,1,2-Trichloroethane	ND	0.13	0.50		µg/L	1	1/12/2009 01:56 PM
1,1-Dichloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 01:56 PM
1,1-Dichloroethene	ND	0.23	0.50		µg/L	1	1/12/2009 01:56 PM
1,1-Dichloropropene	ND	0.17	0.50		µg/L	1	1/12/2009 01:56 PM
1,2,3-Trichlorobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 01:56 PM
1,2,3-Trichloropropane	ND	0.24	0.50		µg/L	1	1/12/2009 01:56 PM
1,2,4-Trichlorobenzene	ND	0.14	0.50		µg/L	1	1/12/2009 01:56 PM
1,2,4-Trimethylbenzene	ND	0.11	0.50		µg/L	1	1/12/2009 01:56 PM
1,2-Dibromo-3-chloropropane	ND	0.39	0.50		µg/L	1	1/12/2009 01:56 PM
1,2-Dibromoethane	ND	0.20	0.50		µg/L	1	1/12/2009 01:56 PM
1,2-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 01:56 PM
1,2-Dichloroethane	ND	0.10	0.50		µg/L	1	1/12/2009 01:56 PM
1,2-Dichloropropane	ND	0.12	0.50		µg/L	1	1/12/2009 01:56 PM
1,3,5-Trimethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 01:56 PM
1,3-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 01:56 PM
1,3-Dichloropropane	ND	0.090	0.50		µg/L	1	1/12/2009 01:56 PM
1,4-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 01:56 PM
2,2-Dichloropropane	ND	0.18	0.50		µg/L	1	1/12/2009 01:56 PM
2-Chlorotoluene	ND	0.11	0.50		µg/L	1	1/12/2009 01:56 PM
4-Chlorotoluene	ND	0.14	0.50		µg/L	1	1/12/2009 01:56 PM
4-Isopropyltoluene	ND	0.12	0.50		µg/L	1	1/12/2009 01:56 PM
Benzene	ND	0.080	0.50		µg/L	1	1/12/2009 01:56 PM
Bromobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 01:56 PM
Bromodichloromethane	ND	0.15	0.50		µg/L	1	1/12/2009 01:56 PM
Bromoform	ND	0.13	0.50		µg/L	1	1/12/2009 01:56 PM
Bromomethane	0.44	0.42	0.50	J	µg/L	1	1/12/2009 01:56 PM
Carbon tetrachloride	ND	0.17	0.50		µg/L	1	1/12/2009 01:56 PM
Chlorobenzene	ND	0.090	0.50		µg/L	1	1/12/2009 01:56 PM
Chloroethane	ND	0.25	0.50		µg/L	1	1/12/2009 01:56 PM
Chloroform	ND	0.12	0.50		µg/L	1	1/12/2009 01:56 PM
Chloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 01:56 PM
cis-1,2-Dichloroethene	0.28	0.13	0.50	J	µg/L	1	1/12/2009 01:56 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB131_30S_SW_010909
Lab Order:	103193	**Collection Date:**	1/9/2009 3:15:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103193-003A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS11_090112A**	QC Batch: **A09VW008**				PrepDate:		Analyst: **SLL**
cis-1,3-Dichloropropene	ND	0.10	0.50		µg/L	1	1/12/2009 01:56 PM
Dibromochloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 01:56 PM
Dibromomethane	ND	0.14	0.50		µg/L	1	1/12/2009 01:56 PM
Dichlorodifluoromethane	ND	0.46	0.50		µg/L	1	1/12/2009 01:56 PM
Ethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 01:56 PM
Hexachlorobutadiene	ND	0.19	0.50		µg/L	1	1/12/2009 01:56 PM
Isopropylbenzene	ND	0.13	0.50		µg/L	1	1/12/2009 01:56 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	1/12/2009 01:56 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	1/12/2009 01:56 PM
n-Butylbenzene	ND	0.14	0.50		µg/L	1	1/12/2009 01:56 PM
n-Propylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 01:56 PM
Naphthalene	ND	0.16	0.50		µg/L	1	1/12/2009 01:56 PM
o-Xylene	ND	0.18	0.50		µg/L	1	1/12/2009 01:56 PM
sec-Butylbenzene	ND	0.15	0.50		µg/L	1	1/12/2009 01:56 PM
Styrene	ND	0.15	0.50		µg/L	1	1/12/2009 01:56 PM
tert-Butylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 01:56 PM
Tetrachloroethene	ND	0.18	0.50		µg/L	1	1/12/2009 01:56 PM
Toluene	ND	0.17	0.50		µg/L	1	1/12/2009 01:56 PM
trans-1,2-Dichloroethene	ND	0.12	0.50		µg/L	1	1/12/2009 01:56 PM
Trichloroethene	ND	0.12	0.50		µg/L	1	1/12/2009 01:56 PM
Trichlorofluoromethane	ND	0.50	0.50		µg/L	1	1/12/2009 01:56 PM
Vinyl chloride	ND	0.17	0.50		µg/L	1	1/12/2009 01:56 PM
Surr: 1,2-Dichloroethane-d4	112	0	70-130		%REC	1	1/12/2009 01:56 PM
Surr: 4-Bromofluorobenzene	92.6	0	70-130		%REC	1	1/12/2009 01:56 PM
Surr: Dibromofluoromethane	105	0	70-130		%REC	1	1/12/2009 01:56 PM
Surr: Toluene-d8	103	0	70-130		%REC	1	1/12/2009 01:56 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB133_15N_SW_010909
Lab Order:	103193	**Collection Date:**	1/9/2009 3:10:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103193-004A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_090112A** QC Batch: **A09VW008** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 02:17 PM
1,1,1-Trichloroethane	ND	0.14	0.50		µg/L	1	1/12/2009 02:17 PM
1,1,2,2-Tetrachloroethane	ND	0.34	0.50		µg/L	1	1/12/2009 02:17 PM
1,1,2-Trichloroethane	ND	0.13	0.50		µg/L	1	1/12/2009 02:17 PM
1,1-Dichloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 02:17 PM
1,1-Dichloroethene	ND	0.23	0.50		µg/L	1	1/12/2009 02:17 PM
1,1-Dichloropropene	ND	0.17	0.50		µg/L	1	1/12/2009 02:17 PM
1,2,3-Trichlorobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 02:17 PM
1,2,3-Trichloropropane	ND	0.24	0.50		µg/L	1	1/12/2009 02:17 PM
1,2,4-Trichlorobenzene	ND	0.14	0.50		µg/L	1	1/12/2009 02:17 PM
1,2,4-Trimethylbenzene	ND	0.11	0.50		µg/L	1	1/12/2009 02:17 PM
1,2-Dibromo-3-chloropropane	ND	0.39	0.50		µg/L	1	1/12/2009 02:17 PM
1,2-Dibromoethane	ND	0.20	0.50		µg/L	1	1/12/2009 02:17 PM
1,2-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 02:17 PM
1,2-Dichloroethane	ND	0.10	0.50		µg/L	1	1/12/2009 02:17 PM
1,2-Dichloropropane	ND	0.12	0.50		µg/L	1	1/12/2009 02:17 PM
1,3,5-Trimethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 02:17 PM
1,3-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 02:17 PM
1,3-Dichloropropane	ND	0.090	0.50		µg/L	1	1/12/2009 02:17 PM
1,4-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 02:17 PM
2,2-Dichloropropane	ND	0.18	0.50		µg/L	1	1/12/2009 02:17 PM
2-Chlorotoluene	ND	0.11	0.50		µg/L	1	1/12/2009 02:17 PM
4-Chlorotoluene	ND	0.14	0.50		µg/L	1	1/12/2009 02:17 PM
4-Isopropyltoluene	ND	0.12	0.50		µg/L	1	1/12/2009 02:17 PM
Benzene	ND	0.080	0.50		µg/L	1	1/12/2009 02:17 PM
Bromobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 02:17 PM
Bromodichloromethane	ND	0.15	0.50		µg/L	1	1/12/2009 02:17 PM
Bromoform	ND	0.13	0.50		µg/L	1	1/12/2009 02:17 PM
Bromomethane	ND	0.42	0.50		µg/L	1	1/12/2009 02:17 PM
Carbon tetrachloride	ND	0.17	0.50		µg/L	1	1/12/2009 02:17 PM
Chlorobenzene	ND	0.090	0.50		µg/L	1	1/12/2009 02:17 PM
Chloroethane	ND	0.25	0.50		µg/L	1	1/12/2009 02:17 PM
Chloroform	ND	0.12	0.50		µg/L	1	1/12/2009 02:17 PM
Chloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 02:17 PM
cis-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	1/12/2009 02:17 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB133_15N_SW_010909
Lab Order:	103193	**Collection Date:**	1/9/2009 3:10:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103193-004A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_090112A** QC Batch: **A09VW008** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.10	0.50		µg/L	1	1/12/2009 02:17 PM
Dibromochloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 02:17 PM
Dibromomethane	ND	0.14	0.50		µg/L	1	1/12/2009 02:17 PM
Dichlorodifluoromethane	ND	0.46	0.50		µg/L	1	1/12/2009 02:17 PM
Ethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 02:17 PM
Hexachlorobutadiene	ND	0.19	0.50		µg/L	1	1/12/2009 02:17 PM
Isopropylbenzene	ND	0.13	0.50		µg/L	1	1/12/2009 02:17 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	1/12/2009 02:17 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	1/12/2009 02:17 PM
n-Butylbenzene	ND	0.14	0.50		µg/L	1	1/12/2009 02:17 PM
n-Propylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 02:17 PM
Naphthalene	ND	0.16	0.50		µg/L	1	1/12/2009 02:17 PM
o-Xylene	ND	0.18	0.50		µg/L	1	1/12/2009 02:17 PM
sec-Butylbenzene	ND	0.15	0.50		µg/L	1	1/12/2009 02:17 PM
Styrene	ND	0.15	0.50		µg/L	1	1/12/2009 02:17 PM
tert-Butylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 02:17 PM
Tetrachloroethene	0.52	0.18	0.50		µg/L	1	1/12/2009 02:17 PM
Toluene	ND	0.17	0.50		µg/L	1	1/12/2009 02:17 PM
trans-1,2-Dichloroethene	ND	0.12	0.50		µg/L	1	1/12/2009 02:17 PM
Trichloroethene	0.60	0.12	0.50		µg/L	1	1/12/2009 02:17 PM
Trichlorofluoromethane	ND	0.50	0.50		µg/L	1	1/12/2009 02:17 PM
Vinyl chloride	ND	0.17	0.50		µg/L	1	1/12/2009 02:17 PM
Surr: 1,2-Dichloroethane-d4	114	0	70-130		%REC	1	1/12/2009 02:17 PM
Surr: 4-Bromofluorobenzene	92.7	0	70-130		%REC	1	1/12/2009 02:17 PM
Surr: Dibromofluoromethane	106	0	70-130		%REC	1	1/12/2009 02:17 PM
Surr: Toluene-d8	103	0	70-130		%REC	1	1/12/2009 02:17 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

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ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB201_SW_010909
Lab Order:	103193	**Collection Date:**	1/9/2009 12:20:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103193-005A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS11_090112A**	QC Batch: **A09VW008**				PrepDate:		Analyst: **SLL**
1,1,1,2-Tetrachloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 03:41 PM
1,1,1-Trichloroethane	ND	0.14	0.50		µg/L	1	1/12/2009 03:41 PM
1,1,2,2-Tetrachloroethane	ND	0.34	0.50		µg/L	1	1/12/2009 03:41 PM
1,1,2-Trichloroethane	ND	0.13	0.50		µg/L	1	1/12/2009 03:41 PM
1,1-Dichloroethane	ND	0.12	0.50		µg/L	1	1/12/2009 03:41 PM
1,1-Dichloroethene	ND	0.23	0.50		µg/L	1	1/12/2009 03:41 PM
1,1-Dichloropropene	ND	0.17	0.50		µg/L	1	1/12/2009 03:41 PM
1,2,3-Trichlorobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 03:41 PM
1,2,3-Trichloropropane	ND	0.24	0.50		µg/L	1	1/12/2009 03:41 PM
1,2,4-Trichlorobenzene	ND	0.14	0.50		µg/L	1	1/12/2009 03:41 PM
1,2,4-Trimethylbenzene	ND	0.11	0.50		µg/L	1	1/12/2009 03:41 PM
1,2-Dibromo-3-chloropropane	ND	0.39	0.50		µg/L	1	1/12/2009 03:41 PM
1,2-Dibromoethane	ND	0.20	0.50		µg/L	1	1/12/2009 03:41 PM
1,2-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 03:41 PM
1,2-Dichloroethane	ND	0.10	0.50		µg/L	1	1/12/2009 03:41 PM
1,2-Dichloropropane	ND	0.12	0.50		µg/L	1	1/12/2009 03:41 PM
1,3,5-Trimethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 03:41 PM
1,3-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 03:41 PM
1,3-Dichloropropane	ND	0.090	0.50		µg/L	1	1/12/2009 03:41 PM
1,4-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/12/2009 03:41 PM
2,2-Dichloropropane	ND	0.18	0.50		µg/L	1	1/12/2009 03:41 PM
2-Chlorotoluene	ND	0.11	0.50		µg/L	1	1/12/2009 03:41 PM
4-Chlorotoluene	ND	0.14	0.50		µg/L	1	1/12/2009 03:41 PM
4-Isopropyltoluene	0.41	0.12	0.50	J	µg/L	1	1/12/2009 03:41 PM
Benzene	ND	0.080	0.50		µg/L	1	1/12/2009 03:41 PM
Bromobenzene	ND	0.11	0.50		µg/L	1	1/12/2009 03:41 PM
Bromodichloromethane	ND	0.15	0.50		µg/L	1	1/12/2009 03:41 PM
Bromoform	ND	0.13	0.50		µg/L	1	1/12/2009 03:41 PM
Bromomethane	ND	0.42	0.50		µg/L	1	1/12/2009 03:41 PM
Carbon tetrachloride	ND	0.17	0.50		µg/L	1	1/12/2009 03:41 PM
Chlorobenzene	ND	0.090	0.50		µg/L	1	1/12/2009 03:41 PM
Chloroethane	ND	0.25	0.50		µg/L	1	1/12/2009 03:41 PM
Chloroform	ND	0.12	0.50		µg/L	1	1/12/2009 03:41 PM
Chloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 03:41 PM
cis-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	1/12/2009 03:41 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *16-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB201_SW_010909
Lab Order:	103193	**Collection Date:**	1/9/2009 12:20:00 PM
Project:	Former TRA Site, 32022-100	**Matrix:**	WATER
Lab ID:	103193-005A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS11_090112A**	QC Batch: **A09VW008**				PrepDate:		Analyst: **SLL**
cis-1,3-Dichloropropene	ND	0.10	0.50		µg/L	1	1/12/2009 03:41 PM
Dibromochloromethane	ND	0.14	0.50		µg/L	1	1/12/2009 03:41 PM
Dibromomethane	ND	0.14	0.50		µg/L	1	1/12/2009 03:41 PM
Dichlorodifluoromethane	ND	0.46	0.50		µg/L	1	1/12/2009 03:41 PM
Ethylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 03:41 PM
Hexachlorobutadiene	ND	0.19	0.50		µg/L	1	1/12/2009 03:41 PM
Isopropylbenzene	ND	0.13	0.50		µg/L	1	1/12/2009 03:41 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	1/12/2009 03:41 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	1/12/2009 03:41 PM
n-Butylbenzene	ND	0.14	0.50		µg/L	1	1/12/2009 03:41 PM
n-Propylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 03:41 PM
Naphthalene	ND	0.16	0.50		µg/L	1	1/12/2009 03:41 PM
o-Xylene	ND	0.18	0.50		µg/L	1	1/12/2009 03:41 PM
sec-Butylbenzene	ND	0.15	0.50		µg/L	1	1/12/2009 03:41 PM
Styrene	ND	0.15	0.50		µg/L	1	1/12/2009 03:41 PM
tert-Butylbenzene	ND	0.12	0.50		µg/L	1	1/12/2009 03:41 PM
Tetrachloroethene	ND	0.18	0.50		µg/L	1	1/12/2009 03:41 PM
Toluene	ND	0.17	0.50		µg/L	1	1/12/2009 03:41 PM
trans-1,2-Dichloroethene	ND	0.12	0.50		µg/L	1	1/12/2009 03:41 PM
Trichloroethene	ND	0.12	0.50		µg/L	1	1/12/2009 03:41 PM
Trichlorofluoromethane	ND	0.50	0.50		µg/L	1	1/12/2009 03:41 PM
Vinyl chloride	ND	0.17	0.50		µg/L	1	1/12/2009 03:41 PM
Surr: 1,2-Dichloroethane-d4	114	0	70-130		%REC	1	1/12/2009 03:41 PM
Surr: 4-Bromofluorobenzene	93.6	0	70-130		%REC	1	1/12/2009 03:41 PM
Surr: Dibromofluoromethane	106	0	70-130		%REC	1	1/12/2009 03:41 PM
Surr: Toluene-d8	102	0	70-130		%REC	1	1/12/2009 03:41 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

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CLIENT: Haley & Aldrich
Work Order: 103193
Project: Former TRA Site, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A090112LCS1** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **104308**
Client ID: **LCSW** Batch ID: **A09VW008** TestNo: **EPA 8260B** Analysis Date: **1/12/2009** SeqNo: **1630145**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	16.230	0.50	20.00	0	81.2	70	130				
Benzene	35.840	0.50	40.00	0	89.6	70	130				
Chlorobenzene	18.590	0.50	20.00	0	93.0	70	130				
MTBE	18.420	0.50	20.00	0	92.1	70	130				
Toluene	37.210	0.50	40.00	0	93.0	70	130				
Trichloroethene	18.280	0.50	20.00	0	91.4	70	130				
Surr: 1,2-Dichloroethane-d4	27.410		25.00		110	70	130				
Surr: 4-Bromofluorobenzene	24.590		25.00		98.4	70	130				
Surr: Dibromofluoromethane	28.180		25.00		113	70	130				
Surr: Toluene-d8	26.420		25.00		106	70	130				

Sample ID: **A090112MB2MS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **104308**
Client ID: **ZZZZZZ** Batch ID: **A09VW008** TestNo: **EPA 8260B** Analysis Date: **1/12/2009** SeqNo: **1630146**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.200	0.50	20.00	0	86.0	70	130				
Benzene	37.680	0.50	40.00	0	94.2	70	130				
Chlorobenzene	19.610	0.50	20.00	0	98.0	70	130				
Toluene	39.040	0.50	40.00	0	97.6	70	130				
Trichloroethene	19.600	0.50	20.00	0	98.0	70	130				
Surr: 1,2-Dichloroethane-d4	26.950		25.00		108	70	130				
Surr: 4-Bromofluorobenzene	25.090		25.00		100	70	130				
Surr: Dibromofluoromethane	27.700		25.00		111	70	130				
Surr: Toluene-d8	26.210		25.00		105	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 103193
Project: Former TRA Site, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A090112MB2MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **104308**
Client ID: **ZZZZZZ** Batch ID: **A09VW008** TestNo: **EPA 8260B** Analysis Date: **1/12/2009** SeqNo: **1630147**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.370	0.50	20.00	0	86.9	70	130	17.20	0.984	20	
Benzene	36.630	0.50	40.00	0	91.6	70	130	37.68	2.83	20	
Chlorobenzene	19.020	0.50	20.00	0	95.1	70	130	19.61	3.05	20	
Toluene	38.240	0.50	40.00	0	95.6	70	130	39.04	2.07	20	
Trichloroethene	19.290	0.50	20.00	0	96.5	70	130	19.60	1.59	20	
Surr: 1,2-Dichloroethane-d4	27.320		25.00		109	70	130		0	20	
Surr: 4-Bromofluorobenzene	25.060		25.00		100	70	130		0	20	
Surr: Dibromofluoromethane	27.970		25.00		112	70	130		0	20	
Surr: Toluene-d8	26.590		25.00		106	70	130		0	20	

Sample ID: **A090112MB2** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **104308**
Client ID: **PBW** Batch ID: **A09VW008** TestNo: **EPA 8260B** Analysis Date: **1/12/2009** SeqNo: **1630148**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 103193
Project: Former TRA Site, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A090112MB2** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **104308**
Client ID: **PBW** Batch ID: **A09VW008** TestNo: **EPA 8260B** Analysis Date: **1/12/2009** SeqNo: **1630148**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	0.50									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Haley & Aldrich
Work Order: 103193
Project: Former TRA Site, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A090112MB2** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **104308**
Client ID: **PBW** Batch ID: **A09VW008** TestNo: **EPA 8260B** Analysis Date: **1/12/2009** SeqNo: **1630148**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	26.440		25.00		106	70	130				
Surr: 4-Bromofluorobenzene	23.770		25.00		95.1	70	130				
Surr: Dibromofluoromethane	27.250		25.00		109	70	130				
Surr: Toluene-d8	26.110		25.00		104	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

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CHAIN OF CUSTODY RECORD

Pg 1 of 1

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____
Logged By: _____ Date: 1/10/09

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☑ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: Haley & Aldrich
Attn: Beth Breitenbach
Address: 9040 Friars Rd Ste 0220
City San Diego State CA Zip Code 92108
TEL: (619) 285-7109
FAX: (619) 285-7159

Project Name: Former TRA Site
Project #: 320.22-100
Sampler: (Printed Name) Samuel Wills (Signature)

Relinquished by: (Signature and Printed Name)	Date: 010909	Time: 1645	Received by: (Signature and Printed Name)	Date: 1/9/09	Time: 1645
Relinquished by: (Signature and Printed Name)	Date: 1/9/09	Time: 1845	Received by: (Signature and Printed Name)	Date: 1/9/09	Time: 1845
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Beth Breitenbach (Print Name) _____ (Date)
(Signature)

Send Report To:
Attn: Beth
Co: HGA
Address _____
City _____ State _____ Zip _____

Bill To:
Attn: Acct
Co: HGA
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

Q A / Q C
RTNE ☐
CT ☐
SWRCB ☐
Logcode ____
OTHER ____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	REMARKS
	103193-001	CB134-SW-010909	010909	1410		X									X			E	3	40 mL	HCl
	2	CB133-SW-010909	"	1455		X									X			E	3	40 mL	HCl
	(SW)	~~CB133-HDN-SW-010909~~				X									X			~~E~~	~~3~~	~~40 mL~~	~~HCl~~
		~~CB131-60N-SW-010909~~				X									X			~~E~~	~~3~~	~~40 mL~~	~~HCl~~
	3	CB131-30S-SW-010909	1/9/09	1515		X									X			E	3	40 mL	
	4	CB133-15N-SW-010909		1510		X									X			E	3	40 mL	
	5	CB201-SW-010909		1220		X									X			E	3	40 mL	

- TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= ~~Routine~~ ~~7 Workdays~~

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

January 19, 2009

Beth Breitenbach
Haley & Aldrich
9040 Friars Road, Suite 220
San Diego, CA 92108
TEL: (619) 285-7109
FAX: (619) 280-9415

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 103256

RE: Former TRA Project, 32022-100

Attention: Beth Breitenbach

Enclosed are the results for sample(s) received on January 14, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Eddie F. Rodriguez
Laboratory Director

CLIENT: Haley & Aldrich
Project: Former TRA Project, 32022-100
Lab Order: 103256

CASE NARRATIVE

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *19-Jan-09*

CLIENT: Haley & Aldrich
Project: Former TRA Project, 32022-100
Lab Order: 103256
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
103256-001A	CB133_SW_011309	Water	1/13/2009 4:40:00 PM	1/14/2009	1/19/2009
103256-002A	CB133_110N_SW_011309	Water	1/13/2009 4:50:00 PM	1/14/2009	1/19/2009
103256-003A	CB131_60N_SW_011309	Water	1/13/2009 5:10:00 PM	1/14/2009	1/19/2009

Advanced Technology Laboratories
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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *19-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB133_SW_011309
Lab Order:	103256	**Collection Date:**	1/13/2009 4:40:00 PM
Project:	Former TRA Project, 32022-100	**Matrix:**	WATER
Lab ID:	103256-001A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_090116A** QC Batch: **A09VW014** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.12	0.50		µg/L	1	1/16/2009 01:02 PM
1,1,1-Trichloroethane	ND	0.14	0.50		µg/L	1	1/16/2009 01:02 PM
1,1,2,2-Tetrachloroethane	ND	0.34	0.50		µg/L	1	1/16/2009 01:02 PM
1,1,2-Trichloroethane	ND	0.13	0.50		µg/L	1	1/16/2009 01:02 PM
1,1-Dichloroethane	ND	0.12	0.50		µg/L	1	1/16/2009 01:02 PM
1,1-Dichloroethene	2.7	0.23	0.50		µg/L	1	1/16/2009 01:02 PM
1,1-Dichloropropene	ND	0.17	0.50		µg/L	1	1/16/2009 01:02 PM
1,2,3-Trichlorobenzene	ND	0.11	0.50		µg/L	1	1/16/2009 01:02 PM
1,2,3-Trichloropropane	ND	0.24	0.50		µg/L	1	1/16/2009 01:02 PM
1,2,4-Trichlorobenzene	ND	0.14	0.50		µg/L	1	1/16/2009 01:02 PM
1,2,4-Trimethylbenzene	ND	0.11	0.50		µg/L	1	1/16/2009 01:02 PM
1,2-Dibromo-3-chloropropane	ND	0.39	0.50		µg/L	1	1/16/2009 01:02 PM
1,2-Dibromoethane	ND	0.20	0.50		µg/L	1	1/16/2009 01:02 PM
1,2-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/16/2009 01:02 PM
1,2-Dichloroethane	ND	0.10	0.50		µg/L	1	1/16/2009 01:02 PM
1,2-Dichloropropane	ND	0.12	0.50		µg/L	1	1/16/2009 01:02 PM
1,3,5-Trimethylbenzene	ND	0.12	0.50		µg/L	1	1/16/2009 01:02 PM
1,3-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/16/2009 01:02 PM
1,3-Dichloropropane	ND	0.090	0.50		µg/L	1	1/16/2009 01:02 PM
1,4-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/16/2009 01:02 PM
2,2-Dichloropropane	ND	0.18	0.50		µg/L	1	1/16/2009 01:02 PM
2-Chlorotoluene	ND	0.11	0.50		µg/L	1	1/16/2009 01:02 PM
4-Chlorotoluene	ND	0.14	0.50		µg/L	1	1/16/2009 01:02 PM
4-Isopropyltoluene	ND	0.12	0.50		µg/L	1	1/16/2009 01:02 PM
Benzene	ND	0.080	0.50		µg/L	1	1/16/2009 01:02 PM
Bromobenzene	ND	0.11	0.50		µg/L	1	1/16/2009 01:02 PM
Bromodichloromethane	ND	0.15	0.50		µg/L	1	1/16/2009 01:02 PM
Bromoform	ND	0.13	0.50		µg/L	1	1/16/2009 01:02 PM
Bromomethane	ND	0.42	0.50		µg/L	1	1/16/2009 01:02 PM
Carbon tetrachloride	ND	0.17	0.50		µg/L	1	1/16/2009 01:02 PM
Chlorobenzene	ND	0.090	0.50		µg/L	1	1/16/2009 01:02 PM
Chloroethane	ND	0.25	0.50		µg/L	1	1/16/2009 01:02 PM
Chloroform	ND	0.12	0.50		µg/L	1	1/16/2009 01:02 PM
Chloromethane	ND	0.14	0.50		µg/L	1	1/16/2009 01:02 PM
cis-1,2-Dichloroethene	5.4	0.13	0.50		µg/L	1	1/16/2009 01:02 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *19-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB133_SW_011309
Lab Order:	103256	**Collection Date:**	1/13/2009 4:40:00 PM
Project:	Former TRA Project, 32022-100	**Matrix:**	WATER
Lab ID:	103256-001A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS11_090116A**	QC Batch: **A09VW014**				PrepDate:		Analyst: **SLL**
cis-1,3-Dichloropropene	ND	0.10	0.50		µg/L	1	1/16/2009 01:02 PM
Dibromochloromethane	ND	0.14	0.50		µg/L	1	1/16/2009 01:02 PM
Dibromomethane	ND	0.14	0.50		µg/L	1	1/16/2009 01:02 PM
Dichlorodifluoromethane	ND	0.46	0.50		µg/L	1	1/16/2009 01:02 PM
Ethylbenzene	ND	0.12	0.50		µg/L	1	1/16/2009 01:02 PM
Hexachlorobutadiene	ND	0.19	0.50		µg/L	1	1/16/2009 01:02 PM
Isopropylbenzene	ND	0.13	0.50		µg/L	1	1/16/2009 01:02 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	1/16/2009 01:02 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	1/16/2009 01:02 PM
n-Butylbenzene	ND	0.14	0.50		µg/L	1	1/16/2009 01:02 PM
n-Propylbenzene	ND	0.12	0.50		µg/L	1	1/16/2009 01:02 PM
Naphthalene	ND	0.16	0.50		µg/L	1	1/16/2009 01:02 PM
o-Xylene	ND	0.18	0.50		µg/L	1	1/16/2009 01:02 PM
sec-Butylbenzene	ND	0.15	0.50		µg/L	1	1/16/2009 01:02 PM
Styrene	ND	0.15	0.50		µg/L	1	1/16/2009 01:02 PM
tert-Butylbenzene	ND	0.12	0.50		µg/L	1	1/16/2009 01:02 PM
Tetrachloroethene	5.0	0.18	0.50		µg/L	1	1/16/2009 01:02 PM
Toluene	ND	0.17	0.50		µg/L	1	1/16/2009 01:02 PM
trans-1,2-Dichloroethene	ND	0.12	0.50		µg/L	1	1/16/2009 01:02 PM
Trichloroethene	5.8	0.12	0.50		µg/L	1	1/16/2009 01:02 PM
Trichlorofluoromethane	ND	0.50	0.50		µg/L	1	1/16/2009 01:02 PM
Vinyl chloride	2.8	0.17	0.50		µg/L	1	1/16/2009 01:02 PM
Surr: 1,2-Dichloroethane-d4	116	0	70-130		%REC	1	1/16/2009 01:02 PM
Surr: 4-Bromofluorobenzene	93.0	0	70-130		%REC	1	1/16/2009 01:02 PM
Surr: Dibromofluoromethane	109	0	70-130		%REC	1	1/16/2009 01:02 PM
Surr: Toluene-d8	100	0	70-130		%REC	1	1/16/2009 01:02 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *19-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB133_110N_SW_011309
Lab Order:	103256	**Collection Date:**	1/13/2009 4:50:00 PM
Project:	Former TRA Project, 32022-100	**Matrix:**	WATER
Lab ID:	103256-002A		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS11_090116A** QC Batch: **A09VW014** PrepDate: Analyst: **SLL**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.12	0.50		µg/L	1	1/16/2009 01:23 PM
1,1,1-Trichloroethane	ND	0.14	0.50		µg/L	1	1/16/2009 01:23 PM
1,1,2,2-Tetrachloroethane	ND	0.34	0.50		µg/L	1	1/16/2009 01:23 PM
1,1,2-Trichloroethane	ND	0.13	0.50		µg/L	1	1/16/2009 01:23 PM
1,1-Dichloroethane	ND	0.12	0.50		µg/L	1	1/16/2009 01:23 PM
1,1-Dichloroethene	2.8	0.23	0.50		µg/L	1	1/16/2009 01:23 PM
1,1-Dichloropropene	ND	0.17	0.50		µg/L	1	1/16/2009 01:23 PM
1,2,3-Trichlorobenzene	ND	0.11	0.50		µg/L	1	1/16/2009 01:23 PM
1,2,3-Trichloropropane	ND	0.24	0.50		µg/L	1	1/16/2009 01:23 PM
1,2,4-Trichlorobenzene	ND	0.14	0.50		µg/L	1	1/16/2009 01:23 PM
1,2,4-Trimethylbenzene	ND	0.11	0.50		µg/L	1	1/16/2009 01:23 PM
1,2-Dibromo-3-chloropropane	ND	0.39	0.50		µg/L	1	1/16/2009 01:23 PM
1,2-Dibromoethane	ND	0.20	0.50		µg/L	1	1/16/2009 01:23 PM
1,2-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/16/2009 01:23 PM
1,2-Dichloroethane	ND	0.10	0.50		µg/L	1	1/16/2009 01:23 PM
1,2-Dichloropropane	ND	0.12	0.50		µg/L	1	1/16/2009 01:23 PM
1,3,5-Trimethylbenzene	ND	0.12	0.50		µg/L	1	1/16/2009 01:23 PM
1,3-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/16/2009 01:23 PM
1,3-Dichloropropane	ND	0.090	0.50		µg/L	1	1/16/2009 01:23 PM
1,4-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/16/2009 01:23 PM
2,2-Dichloropropane	ND	0.18	0.50		µg/L	1	1/16/2009 01:23 PM
2-Chlorotoluene	ND	0.11	0.50		µg/L	1	1/16/2009 01:23 PM
4-Chlorotoluene	ND	0.14	0.50		µg/L	1	1/16/2009 01:23 PM
4-Isopropyltoluene	ND	0.12	0.50		µg/L	1	1/16/2009 01:23 PM
Benzene	ND	0.080	0.50		µg/L	1	1/16/2009 01:23 PM
Bromobenzene	ND	0.11	0.50		µg/L	1	1/16/2009 01:23 PM
Bromodichloromethane	ND	0.15	0.50		µg/L	1	1/16/2009 01:23 PM
Bromoform	ND	0.13	0.50		µg/L	1	1/16/2009 01:23 PM
Bromomethane	ND	0.42	0.50		µg/L	1	1/16/2009 01:23 PM
Carbon tetrachloride	ND	0.17	0.50		µg/L	1	1/16/2009 01:23 PM
Chlorobenzene	ND	0.090	0.50		µg/L	1	1/16/2009 01:23 PM
Chloroethane	ND	0.25	0.50		µg/L	1	1/16/2009 01:23 PM
Chloroform	ND	0.12	0.50		µg/L	1	1/16/2009 01:23 PM
Chloromethane	ND	0.14	0.50		µg/L	1	1/16/2009 01:23 PM
cis-1,2-Dichloroethene	5.5	0.13	0.50		µg/L	1	1/16/2009 01:23 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *19-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB133_110N_SW_011309
Lab Order:	103256	**Collection Date:**	1/13/2009 4:50:00 PM
Project:	Former TRA Project, 32022-100	**Matrix:**	WATER
Lab ID:	103256-002A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS11_090116A**	QC Batch: **A09VW014**				PrepDate:		Analyst: **SLL**
cis-1,3-Dichloropropene	ND	0.10	0.50		µg/L	1	1/16/2009 01:23 PM
Dibromochloromethane	ND	0.14	0.50		µg/L	1	1/16/2009 01:23 PM
Dibromomethane	ND	0.14	0.50		µg/L	1	1/16/2009 01:23 PM
Dichlorodifluoromethane	ND	0.46	0.50		µg/L	1	1/16/2009 01:23 PM
Ethylbenzene	ND	0.12	0.50		µg/L	1	1/16/2009 01:23 PM
Hexachlorobutadiene	ND	0.19	0.50		µg/L	1	1/16/2009 01:23 PM
Isopropylbenzene	ND	0.13	0.50		µg/L	1	1/16/2009 01:23 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	1/16/2009 01:23 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	1/16/2009 01:23 PM
n-Butylbenzene	ND	0.14	0.50		µg/L	1	1/16/2009 01:23 PM
n-Propylbenzene	ND	0.12	0.50		µg/L	1	1/16/2009 01:23 PM
Naphthalene	ND	0.16	0.50		µg/L	1	1/16/2009 01:23 PM
o-Xylene	ND	0.18	0.50		µg/L	1	1/16/2009 01:23 PM
sec-Butylbenzene	ND	0.15	0.50		µg/L	1	1/16/2009 01:23 PM
Styrene	ND	0.15	0.50		µg/L	1	1/16/2009 01:23 PM
tert-Butylbenzene	ND	0.12	0.50		µg/L	1	1/16/2009 01:23 PM
Tetrachloroethene	5.6	0.18	0.50		µg/L	1	1/16/2009 01:23 PM
Toluene	ND	0.17	0.50		µg/L	1	1/16/2009 01:23 PM
trans-1,2-Dichloroethene	ND	0.12	0.50		µg/L	1	1/16/2009 01:23 PM
Trichloroethene	6.1	0.12	0.50		µg/L	1	1/16/2009 01:23 PM
Trichlorofluoromethane	ND	0.50	0.50		µg/L	1	1/16/2009 01:23 PM
Vinyl chloride	3.1	0.17	0.50		µg/L	1	1/16/2009 01:23 PM
Surr: 1,2-Dichloroethane-d4	113	0	70-130		%REC	1	1/16/2009 01:23 PM
Surr: 4-Bromofluorobenzene	93.0	0	70-130		%REC	1	1/16/2009 01:23 PM
Surr: Dibromofluoromethane	103	0	70-130		%REC	1	1/16/2009 01:23 PM
Surr: Toluene-d8	100	0	70-130		%REC	1	1/16/2009 01:23 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *19-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB131_60N_SW_011309
Lab Order:	103256	**Collection Date:**	1/13/2009 5:10:00 PM
Project:	Former TRA Project, 32022-100	**Matrix:**	WATER
Lab ID:	103256-003A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS11_090116A**	QC Batch: **A09VW014**				PrepDate:		Analyst: **SLL**
1,1,1,2-Tetrachloroethane	ND	0.12	0.50		µg/L	1	1/16/2009 01:44 PM
1,1,1-Trichloroethane	ND	0.14	0.50		µg/L	1	1/16/2009 01:44 PM
1,1,2,2-Tetrachloroethane	ND	0.34	0.50		µg/L	1	1/16/2009 01:44 PM
1,1,2-Trichloroethane	ND	0.13	0.50		µg/L	1	1/16/2009 01:44 PM
1,1-Dichloroethane	ND	0.12	0.50		µg/L	1	1/16/2009 01:44 PM
1,1-Dichloroethene	2.5	0.23	0.50		µg/L	1	1/16/2009 01:44 PM
1,1-Dichloropropene	ND	0.17	0.50		µg/L	1	1/16/2009 01:44 PM
1,2,3-Trichlorobenzene	ND	0.11	0.50		µg/L	1	1/16/2009 01:44 PM
1,2,3-Trichloropropane	ND	0.24	0.50		µg/L	1	1/16/2009 01:44 PM
1,2,4-Trichlorobenzene	ND	0.14	0.50		µg/L	1	1/16/2009 01:44 PM
1,2,4-Trimethylbenzene	ND	0.11	0.50		µg/L	1	1/16/2009 01:44 PM
1,2-Dibromo-3-chloropropane	ND	0.39	0.50		µg/L	1	1/16/2009 01:44 PM
1,2-Dibromoethane	ND	0.20	0.50		µg/L	1	1/16/2009 01:44 PM
1,2-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/16/2009 01:44 PM
1,2-Dichloroethane	ND	0.10	0.50		µg/L	1	1/16/2009 01:44 PM
1,2-Dichloropropane	ND	0.12	0.50		µg/L	1	1/16/2009 01:44 PM
1,3,5-Trimethylbenzene	ND	0.12	0.50		µg/L	1	1/16/2009 01:44 PM
1,3-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/16/2009 01:44 PM
1,3-Dichloropropane	ND	0.090	0.50		µg/L	1	1/16/2009 01:44 PM
1,4-Dichlorobenzene	ND	0.16	0.50		µg/L	1	1/16/2009 01:44 PM
2,2-Dichloropropane	ND	0.18	0.50		µg/L	1	1/16/2009 01:44 PM
2-Chlorotoluene	ND	0.11	0.50		µg/L	1	1/16/2009 01:44 PM
4-Chlorotoluene	ND	0.14	0.50		µg/L	1	1/16/2009 01:44 PM
4-Isopropyltoluene	ND	0.12	0.50		µg/L	1	1/16/2009 01:44 PM
Benzene	ND	0.080	0.50		µg/L	1	1/16/2009 01:44 PM
Bromobenzene	ND	0.11	0.50		µg/L	1	1/16/2009 01:44 PM
Bromodichloromethane	ND	0.15	0.50		µg/L	1	1/16/2009 01:44 PM
Bromoform	ND	0.13	0.50		µg/L	1	1/16/2009 01:44 PM
Bromomethane	ND	0.42	0.50		µg/L	1	1/16/2009 01:44 PM
Carbon tetrachloride	ND	0.17	0.50		µg/L	1	1/16/2009 01:44 PM
Chlorobenzene	ND	0.090	0.50		µg/L	1	1/16/2009 01:44 PM
Chloroethane	ND	0.25	0.50		µg/L	1	1/16/2009 01:44 PM
Chloroform	ND	0.12	0.50		µg/L	1	1/16/2009 01:44 PM
Chloromethane	ND	0.14	0.50		µg/L	1	1/16/2009 01:44 PM
cis-1,2-Dichloroethene	4.7	0.13	0.50		µg/L	1	1/16/2009 01:44 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *19-Jan-09*

CLIENT:	Haley & Aldrich	**Client Sample ID:**	CB131_60N_SW_011309
Lab Order:	103256	**Collection Date:**	1/13/2009 5:10:00 PM
Project:	Former TRA Project, 32022-100	**Matrix:**	WATER
Lab ID:	103256-003A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS11_090116A**	QC Batch: **A09VW014**				PrepDate:		Analyst: **SLL**
cis-1,3-Dichloropropene	ND	0.10	0.50		µg/L	1	1/16/2009 01:44 PM
Dibromochloromethane	ND	0.14	0.50		µg/L	1	1/16/2009 01:44 PM
Dibromomethane	ND	0.14	0.50		µg/L	1	1/16/2009 01:44 PM
Dichlorodifluoromethane	ND	0.46	0.50		µg/L	1	1/16/2009 01:44 PM
Ethylbenzene	ND	0.12	0.50		µg/L	1	1/16/2009 01:44 PM
Hexachlorobutadiene	ND	0.19	0.50		µg/L	1	1/16/2009 01:44 PM
Isopropylbenzene	ND	0.13	0.50		µg/L	1	1/16/2009 01:44 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	1/16/2009 01:44 PM
Methylene chloride	ND	1.0	1.0		µg/L	1	1/16/2009 01:44 PM
n-Butylbenzene	ND	0.14	0.50		µg/L	1	1/16/2009 01:44 PM
n-Propylbenzene	ND	0.12	0.50		µg/L	1	1/16/2009 01:44 PM
Naphthalene	ND	0.16	0.50		µg/L	1	1/16/2009 01:44 PM
o-Xylene	ND	0.18	0.50		µg/L	1	1/16/2009 01:44 PM
sec-Butylbenzene	ND	0.15	0.50		µg/L	1	1/16/2009 01:44 PM
Styrene	ND	0.15	0.50		µg/L	1	1/16/2009 01:44 PM
tert-Butylbenzene	ND	0.12	0.50		µg/L	1	1/16/2009 01:44 PM
Tetrachloroethene	4.8	0.18	0.50		µg/L	1	1/16/2009 01:44 PM
Toluene	ND	0.17	0.50		µg/L	1	1/16/2009 01:44 PM
trans-1,2-Dichloroethene	ND	0.12	0.50		µg/L	1	1/16/2009 01:44 PM
Trichloroethene	5.0	0.12	0.50		µg/L	1	1/16/2009 01:44 PM
Trichlorofluoromethane	ND	0.50	0.50		µg/L	1	1/16/2009 01:44 PM
Vinyl chloride	2.7	0.17	0.50		µg/L	1	1/16/2009 01:44 PM
Surr: 1,2-Dichloroethane-d4	112	0	70-130		%REC	1	1/16/2009 01:44 PM
Surr: 4-Bromofluorobenzene	93.5	0	70-130		%REC	1	1/16/2009 01:44 PM
Surr: Dibromofluoromethane	107	0	70-130		%REC	1	1/16/2009 01:44 PM
Surr: Toluene-d8	101	0	70-130		%REC	1	1/16/2009 01:44 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

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CLIENT: Haley & Aldrich
Work Order: 103256
Project: Former TRA Project, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WU_LL

Sample ID: **A090116LCS1** SampType: **LCS** TestCode: **8260_WU_LL** Units: **µg/L** Prep Date: RunNo: **104504**
Client ID: **LCSW** Batch ID: **A09VW014** TestNo: **EPA 8260B** Analysis Date: **1/16/2009** SeqNo: **1634503**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	15.070	0.50	20.00	0	75.4	70	130				
Benzene	38.080	0.50	40.00	0	95.2	70	130				
Chlorobenzene	20.880	0.50	20.00	0	104	70	130				
MTBE	19.240	0.50	20.00	0	96.2	70	130				
Toluene	39.660	0.50	40.00	0	99.2	70	130				
Trichloroethene	19.830	0.50	20.00	0	99.2	70	130				
Surr: 1,2-Dichloroethane-d4	26.630		25.00		107	70	130				
Surr: 4-Bromofluorobenzene	24.760		25.00		99.0	70	130				
Surr: Dibromofluoromethane	26.410		25.00		106	70	130				
Surr: Toluene-d8	25.560		25.00		102	70	130				

Sample ID: **A090116MB2MS** SampType: **MS** TestCode: **8260_WU_LL** Units: **µg/L** Prep Date: RunNo: **104504**
Client ID: **ZZZZZZ** Batch ID: **A09VW014** TestNo: **EPA 8260B** Analysis Date: **1/16/2009** SeqNo: **1634504**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	14.280	0.50	20.00	0	71.4	70	130				
Benzene	37.430	0.50	40.00	0	93.6	70	130				
Chlorobenzene	20.600	0.50	20.00	0	103	70	130				
Toluene	38.850	0.50	40.00	0	97.1	70	130				
Trichloroethene	19.230	0.50	20.00	0	96.2	70	130				
Surr: 1,2-Dichloroethane-d4	27.170		25.00		109	70	130				
Surr: 4-Bromofluorobenzene	24.740		25.00		99.0	70	130				
Surr: Dibromofluoromethane	26.560		25.00		106	70	130				
Surr: Toluene-d8	25.410		25.00		102	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 103256
Project: Former TRA Project, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WU_LL

Sample ID: **A090116MB2MSD** SampType: **MSD** TestCode: **8260_WU_LL** Units: **µg/L** Prep Date: RunNo: **104504**
Client ID: **ZZZZZZ** Batch ID: **A09VW014** TestNo: **EPA 8260B** Analysis Date: **1/16/2009** SeqNo: **1634505**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	14.670	0.50	20.00	0	73.4	70	130	14.28	2.69	20	
Benzene	38.320	0.50	40.00	0	95.8	70	130	37.43	2.35	20	
Chlorobenzene	21.070	0.50	20.00	0	105	70	130	20.60	2.26	20	
Toluene	39.870	0.50	40.00	0	99.7	70	130	38.85	2.59	20	
Trichloroethene	19.730	0.50	20.00	0	98.6	70	130	19.23	2.57	20	
Surr: 1,2-Dichloroethane-d4	27.140		25.00		109	70	130		0	20	
Surr: 4-Bromofluorobenzene	24.890		25.00		99.6	70	130		0	20	
Surr: Dibromofluoromethane	26.620		25.00		106	70	130		0	20	
Surr: Toluene-d8	25.450		25.00		102	70	130		0	20	

Sample ID: **A090116MB2** SampType: **MBLK** TestCode: **8260_WU_LL** Units: **µg/L** Prep Date: RunNo: **104504**
Client ID: **PBW** Batch ID: **A09VW014** TestNo: **EPA 8260B** Analysis Date: **1/16/2009** SeqNo: **1634506**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 103256
Project: Former TRA Project, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WU_LL

Sample ID: **A090116MB2** SampType: **MBLK** TestCode: **8260_WU_LL** Units: **µg/L** Prep Date: RunNo: **104504**
Client ID: **PBW** Batch ID: **A09VW014** TestNo: **EPA 8260B** Analysis Date: **1/16/2009** SeqNo: **1634506**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	0.50									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

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CLIENT: Haley & Aldrich
Work Order: 103256
Project: Former TRA Project, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WU_LL

Sample ID: **A090116MB2** SampType: **MBLK** TestCode: **8260_WU_LL** Units: **µg/L** Prep Date: RunNo: **104504**
Client ID: **PBW** Batch ID: **A09VW014** TestNo: **EPA 8260B** Analysis Date: **1/16/2009** SeqNo: **1634506**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	26.740		25.00		107	70	130				
Surr: 4-Bromofluorobenzene	23.510		25.00		94.0	70	130				
Surr: Dibromofluoromethane	26.140		25.00		105	70	130				
Surr: Toluene-d8	25.120		25.00		100	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

Pg 1 of 1

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: K Date: 1/14/09

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: Haley & Aldrich
Attn: Beth Breitenbach
Address: 9640 Friars Rd Ste 220
City San Diego State CA Zip Code 92108
TEL: (619) 285-7109
FAX: (619) 285-7159

Project Name: Former TRA Project
Project #: 32022-100
Sampler: (Printed Name) Beth Breitenbach (Signature)

Relinquished by: (Signature and Printed Name)	Date: 1/13/09	Time: 0930	Received by: (Signature and Printed Name)	Date: 1/14/09	Time: 0930
Relinquished by: (Signature and Printed Name)	Date: 1/14/09	Time: 1140	Received by: (Signature and Printed Name)	Date: 1/14/09	Time: 1140
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Beth Breitenbach 1/13/09
Print Name Date
Signature

Send Report To:
Attn: Beth
Co: H&A
Address
City State Zip

Bill To:
Attn: Acct
Co: H&A
Address
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides); 8082 (PCB); 8260B (Volatiles); 8270C (BNA); 6010B (Total Metal); 8015B (GRO) / 8020 (BTEX); 8015B (DRO); 8021 (BTEX); TITLE 22 / CAM 17 (6010 / 7000)

SPECIFY APPROPRIATE MATRIX: SOIL; WATER; GROUND WATER; WASTEWATER

Container(s): TAT; # ; Type

PRESERVATION

Q A / Q C: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8260B	SOIL	WATER	TAT	#	Type	REMARKS
	103256-1	CB133_SW_011309	1/13/09	1640	X		X	D	3	40 mL	
	2	CB133_110N_SW_011309	↓	1650	X		X	D	↓	↓	↓
	3	CB131_60N_SW_011309	↓	1710	X		X	D	↓	↓	↓

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

January 19, 2009

Beth Breitenbach
Haley & Aldrich
9040 Friars Road, Suite 220
San Diego, CA 92108
TEL: (619) 285-7109
FAX: (619) 280-9415

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 103255

RE: Former TRA Site, 32022-100

Attention: Beth Breitenbach

Enclosed are the results for sample(s) received on January 14, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

Advanced Technology Laboratories

Date: *19-Jan-09*

CLIENT: Haley & Aldrich
Project: Former TRA Site, 32022-100
Lab Order: 103255

CASE NARRATIVE

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Analytical Comments for Method 8082

Dilution was necessary for sample 103255-001A, due to sample matrix.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *19-Jan-09*

CLIENT: Haley & Aldrich
Project: Former TRA Site, 32022-100
Lab Order: 103255
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
103255-001A	CB133_110N_SD_011309	Sediment	1/13/2009 4:50:00 PM	1/14/2009	1/19/2009

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ANALYTICAL RESULTS

Print Date: *19-Jan-09*

CLIENT: Haley & Aldrich
Lab Order: 103255
Project: Former TRA Site, 32022-100
Lab ID: 103255-001A

Client Sample ID: CB133_110N_SD_011309
Collection Date: 1/13/2009 4:50:00 PM
Matrix: SEDIMENT

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_090114B**	QC Batch: **52189**				PrepDate:	**1/15/2009**	Analyst: **HL**
Aroclor 1016	ND	8.5	16		µg/Kg	1	1/16/2009 02:32 AM
Aroclor 1221	ND	2.5	33		µg/Kg	1	1/16/2009 02:32 AM
Aroclor 1232	ND	4.0	16		µg/Kg	1	1/16/2009 02:32 AM
Aroclor 1242	ND	3.5	16		µg/Kg	1	1/16/2009 02:32 AM
Aroclor 1248	480	25	160		µg/Kg	10	1/16/2009 02:10 PM
Aroclor 1254	290	1.8	16		µg/Kg	1	1/16/2009 02:32 AM
Aroclor 1260	420	42	160		µg/Kg	10	1/16/2009 02:10 PM
Aroclor 1262	ND	2.5	16		µg/Kg	1	1/16/2009 02:32 AM
Aroclor 1268	ND	2.1	16		µg/Kg	1	1/16/2009 02:32 AM
Surr: Decachlorobiphenyl	68.2	0	30-124		%REC	10	1/16/2009 02:10 PM
Surr: Decachlorobiphenyl	52.4	0	30-124		%REC	1	1/16/2009 02:32 AM
Surr: Tetrachloro-m-xylene	40.6	0	40-118		%REC	10	1/16/2009 02:10 PM
Surr: Tetrachloro-m-xylene	49.6	0	40-118		%REC	1	1/16/2009 02:32 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Haley & Aldrich
Work Order: 103255
Project: Former TRA Site, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S_MDL

Sample ID: **MB-52189** SampType: **MBLK** TestCode: **8082_S_MDL** Units: **µg/Kg** Prep Date: **1/15/2009** RunNo: **104485**
Client ID: **PBS** Batch ID: **52189** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **1/15/2009** SeqNo: **1634112**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	15.088		16.67		90.5	30	124				
Surr: Tetrachloro-m-xylene	15.165		16.67		91.0	40	118				

Sample ID: **LCS-52189** SampType: **LCS** TestCode: **8082_S_MDL** Units: **µg/Kg** Prep Date: **1/15/2009** RunNo: **104485**
Client ID: **LCSS** Batch ID: **52189** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **1/15/2009** SeqNo: **1634113**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	112.536	16	166.7	0	67.5	56	113				
Aroclor 1260	127.649	16	166.7	0	76.6	58	111				
Surr: Decachlorobiphenyl	13.270		16.67		79.6	30	124				
Surr: Tetrachloro-m-xylene	12.583		16.67		75.5	40	118				

Sample ID: **MB-52189MS** SampType: **MS** TestCode: **8082_S_MDL** Units: **µg/Kg** Prep Date: **1/15/2009** RunNo: **104485**
Client ID: **ZZZZZZ** Batch ID: **52189** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **1/15/2009** SeqNo: **1634114**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	114.789	16	166.7	0	68.9	51	111				
Aroclor 1260	129.192	16	166.7	0	77.5	39	123				
Surr: Decachlorobiphenyl	13.420		16.67		80.5	30	124				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Haley & Aldrich
Work Order: 103255
Project: Former TRA Site, 32022-100

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S_MDL

Sample ID: **MB-52189MS**	SampType: **MS**	TestCode: **8082_S_MDL**	Units: **µg/Kg**	Prep Date: **1/15/2009**	RunNo: **104485**
Client ID: **ZZZZZZ**	Batch ID: **52189**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **1/15/2009**	SeqNo: **1634114**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	13.035		16.67		78.2	40	118				

Sample ID: **MB-52189MSD**	SampType: **MSD**	TestCode: **8082_S_MDL**	Units: **µg/Kg**	Prep Date: **1/15/2009**	RunNo: **104485**
Client ID: **ZZZZZZ**	Batch ID: **52189**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **1/15/2009**	SeqNo: **1634115**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	115.147	16	166.7	0	69.1	51	111	114.8	0.312	20	
Aroclor 1260	129.350	16	166.7	0	77.6	39	123	129.2	0.122	20	
Surr: Decachlorobiphenyl	13.406		16.67		80.4	30	124		0	0	
Surr: Tetrachloro-m-xylene	13.078		16.67		78.5	40	118		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

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CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: [illegible] Date: 1/14/09

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N/A N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☐

Client: Haley & Aldrich
Attn: Beth Breitenbach
Address: 9040 Mars Rd. Ste 220
City San Diego State CA Zip Code 92108
TEL: (619) 285-7109
FAX: (619) 285-7159

Project Name: Former TRA Site Project #: 32022-100 Sampler: (Printed Name) Beth Breitenbach (Signature)

Relinquished by: (Signature and Printed Name) Beth Breitenbach Date: 1/13/09 Time: 0930 Received by: (Signature and Printed Name) ATL Date: 1/14/09 Time: 0930
Relinquished by: (Signature and Printed Name) ATL Date: 1/13/09 Time: 1140 Received by: (Signature and Printed Name) [illegible] Date: 1/14/09 Time: 1140
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Beth Breitenbach 1/13/09
Print Name Date
Beth Breitenbach
Signature

Send Report To:
Attn: Beth
Co: H/bA
Address _____
City _____ State _____ Zip _____

Bill To:
Attn: Acct
Co: H/bA
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	SOIL	WATER	GROUND WATER	WASTEWATER	SEDIMENT	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	103255-001 A	CB133-110N-SD-011309	1/13/09	1650	X													X	D	1	4oz	-	

- TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.