ANALYTICAL REPORT

Report Date: March 04, 2014

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Workorder: **34-1405801**
Project ID: KP Bellflower
Purchase Order: PJ20631

Client Sample ID	Lab ID	Collect Date	Receive Date	Sampling Site
8EX01-01A	1405801001	02/26/14	02/27/14	KP Bellflower
8EX01-01B	1405801002	02/26/14	02/27/14	KP Bellflower
8EX01-01C	1405801003	02/26/14	02/27/14	KP Bellflower
8EX03-01A	1405801004	02/26/14	02/27/14	KP Bellflower
8EX03-01B	1405801005	02/26/14	02/27/14	KP Bellflower
8EX03-01C	1405801006	02/26/14	02/27/14	KP Bellflower
15EX01-01A	1405801007	02/26/14	02/27/14	KP Bellflower
15EX01-01B	1405801008	02/26/14	02/27/14	KP Bellflower
15EX01-01C	1405801009	02/26/14	02/27/14	KP Bellflower
15EX02-01A	1405801010	02/26/14	02/27/14	KP Bellflower
15EX02-01B	1405801011	02/26/14	02/27/14	KP Bellflower
15EX02-01C	1405801012	02/26/14	02/27/14	KP Bellflower
16EX01-01A	1405801013	02/26/14	02/27/14	KP Bellflower
16EX01-01B	1405801014	02/26/14	02/27/14	KP Bellflower
16EX01-01C	1405801015	02/26/14	02/27/14	KP Bellflower
16EX01-Dup	1405801016	02/26/14	02/27/14	KP Bellflower
17EX01-01A	1405801017	02/26/14	02/27/14	KP Bellflower
17EX01-01B	1405801018	02/26/14	02/27/14	KP Bellflower
17EX01-01C	1405801019	02/26/14	02/27/14	KP Bellflower

ANALYTICAL REPORT

Workorder: 34-1405801
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 8EX01-01A
Lab ID: 1405801001
Matrix: Soil/Solid/Sediment
Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA
Collected: 02/26/2014
Received: 02/27/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18416 (HBN: 122260)
Prepared: 02/27/2014
Weight/Volume
Initial: 3 grams
Final: 10 mL
Analysis: SW 8082, Soil
Batch: EGC/4852 (HBN: 122277)
Analyzed: 03/03/2014 00:00
Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	**0.17**	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.53**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Sample ID: 8EX01-01B
Lab ID: 1405801002
Matrix: Soil/Solid/Sediment
Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA
Collected: 02/26/2014
Received: 02/27/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18416 (HBN: 122260)
Prepared: 02/27/2014
Weight/Volume
Initial: 3.01 grams
Final: 10 mL
Analysis: SW 8082, Soil
Batch: EGC/4852 (HBN: 122277)
Analyzed: 03/03/2014 00:00
Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.19**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1405801
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 8EX01-01C
Lab ID: 1405801003
Matrix: Soil/Solid/Sediment

Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA

Collected: 02/26/2014
Received: 02/27/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18416 (HBN: 122260)
Prepared: 02/27/2014

Weight/Volume
Initial: 3 grams
Final: 10 mL

Analysis: SW 8082, Soil
Batch: EGC/4852 (HBN: 122277)
Analyzed: 03/03/2014 00:00

Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	<0.033	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Sample ID: 8EX03-01A
Lab ID: 1405801004
Matrix: Soil/Solid/Sediment

Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA

Collected: 02/26/2014
Received: 02/27/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18416 (HBN: 122260)
Prepared: 02/27/2014

Weight/Volume
Initial: 3 grams
Final: 10 mL

Analysis: SW 8082, Soil
Batch: EGC/4852 (HBN: 122277)
Analyzed: 03/03/2014 00:00

Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.33**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1405801
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 8EX03-01B
Lab ID: 1405801005
Matrix: Soil/Solid/Sediment
Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA
Collected: 02/26/2014
Received: 02/27/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18416 (HBN: 122260)
Prepared: 02/27/2014
Weight/Volume
Initial: 3.01 grams
Final: 10 mL
Analysis: SW 8082, Soil
Batch: EGC/4852 (HBN: 122277)
Analyzed: 03/03/2014 00:00
Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	<0.033	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Sample ID: 8EX03-01C
Lab ID: 1405801006
Matrix: Soil/Solid/Sediment
Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA
Collected: 02/26/2014
Received: 02/27/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18416 (HBN: 122260)
Prepared: 02/27/2014
Weight/Volume
Initial: 3.01 grams
Final: 10 mL
Analysis: SW 8082, Soil
Batch: EGC/4852 (HBN: 122277)
Analyzed: 03/03/2014 00:00
Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	<0.033	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1405801
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 15EX01-01A | Sampling Site: KP Bellflower | Collected: 02/26/2014
Lab ID: 1405801007 | Media: Bulk | Received: 02/27/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18416 (HBN: 122260)	**Initial:** 3.01 grams	**Batch:** EGC/4852 (HBN: 122277)	**Percent Solid:** NA
Prepared: 02/27/2014	**Final:** 10 mL	**Analyzed:** 03/03/2014 00:00	**Report Basis:** Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.33	0.33	10	
Aroclor 1260	<0.33	0.33	10	
Aroclor 1221	<0.67	0.67	10	
Aroclor 1232	<0.33	0.33	10	
Aroclor 1242	<0.33	0.33	10	
Aroclor 1248	<0.33	0.33	10	
Aroclor 1254	**13**	0.33	10	
Aroclor 1268	<0.33	0.33	10	
Aroclor 1262	<0.33	0.33	10	

Sample ID: 15EX01-01B | Sampling Site: KP Bellflower | Collected: 02/26/2014
Lab ID: 1405801008 | Media: Bulk | Received: 02/27/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18416 (HBN: 122260)	**Initial:** 3.01 grams	**Batch:** EGC/4852 (HBN: 122277)	**Percent Solid:** NA
Prepared: 02/27/2014	**Final:** 10 mL	**Analyzed:** 03/03/2014 00:00	**Report Basis:** Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.53**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1405801
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 15EX01-01C
Lab ID: 1405801009
Matrix: Soil/Solid/Sediment

Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA

Collected: 02/26/2014
Received: 02/27/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18416 (HBN: 122260)
Prepared: 02/27/2014

Weight/Volume
Initial: 3 grams
Final: 10 mL

Analysis: SW 8082, Soil
Batch: EGC/4852 (HBN: 122277)
Analyzed: 03/03/2014 00:00

Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.88**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Sample ID: 15EX02-01A
Lab ID: 1405801010
Matrix: Soil/Solid/Sediment

Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA

Collected: 02/26/2014
Received: 02/27/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18416 (HBN: 122260)
Prepared: 02/27/2014

Weight/Volume
Initial: 3.01 grams
Final: 10 mL

Analysis: SW 8082, Soil
Batch: EGC/4852 (HBN: 122277)
Analyzed: 03/03/2014 00:00

Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.33	0.33	10	
Aroclor 1260	<0.33	0.33	10	
Aroclor 1221	<0.67	0.67	10	
Aroclor 1232	<0.33	0.33	10	
Aroclor 1242	<0.33	0.33	10	
Aroclor 1248	<0.33	0.33	10	
Aroclor 1254	**25**	0.33	10	
Aroclor 1268	<0.33	0.33	10	
Aroclor 1262	<0.33	0.33	10	

ANALYTICAL REPORT

Workorder: 34-1405801
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 15EX02-01B | Sampling Site: KP Bellflower | Collected: 02/26/2014
Lab ID: 1405801011 | Media: Bulk | Received: 02/27/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation:	EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:**	SW 8082, Soil	**Instrument ID:** GCE03
Batch:	ENVX/18416 (HBN: 122260)	**Initial:** 3 grams	**Batch:**	EGC/4852 (HBN: 122277)	**Percent Solid:** NA
Prepared:	02/27/2014	**Final:** 10 mL	**Analyzed:**	03/03/2014 00:00	**Report Basis:** Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.33	0.33	10	
Aroclor 1260	<0.33	0.33	10	
Aroclor 1221	<0.67	0.67	10	
Aroclor 1232	<0.33	0.33	10	
Aroclor 1242	<0.33	0.33	10	
Aroclor 1248	<0.33	0.33	10	
Aroclor 1254	**4.6**	0.33	10	
Aroclor 1268	<0.33	0.33	10	
Aroclor 1262	<0.33	0.33	10	

Sample ID: 15EX02-01C | Sampling Site: KP Bellflower | Collected: 02/26/2014
Lab ID: 1405801012 | Media: Bulk | Received: 02/27/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation:	EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:**	SW 8082, Soil	**Instrument ID:** GCE03
Batch:	ENVX/18416 (HBN: 122260)	**Initial:** 3.01 grams	**Batch:**	EGC/4852 (HBN: 122277)	**Percent Solid:** NA
Prepared:	02/27/2014	**Final:** 10 mL	**Analyzed:**	03/03/2014 00:00	**Report Basis:** Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**1.1**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1405801
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 16EX01-01A
Lab ID: 1405801013
Matrix: Soil/Solid/Sediment
Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA
Collected: 02/26/2014
Received: 02/27/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18416 (HBN: 122260)
Prepared: 02/27/2014
Weight/Volume
Initial: 3.01 grams
Final: 10 mL
Analysis: SW 8082, Soil
Batch: EGC/4852 (HBN: 122277)
Analyzed: 03/03/2014 00:00
Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.34**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Sample ID: 16EX01-01B
Lab ID: 1405801014
Matrix: Soil/Solid/Sediment
Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA
Collected: 02/26/2014
Received: 02/27/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18416 (HBN: 122260)
Prepared: 02/27/2014
Weight/Volume
Initial: 3 grams
Final: 10 mL
Analysis: SW 8082, Soil
Batch: EGC/4852 (HBN: 122277)
Analyzed: 03/03/2014 00:00
Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.23**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1405801
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 16EX01-01C
Lab ID: 1405801015
Matrix: Soil/Solid/Sediment
Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA
Collected: 02/26/2014
Received: 02/27/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18416 (HBN: 122260)
Prepared: 02/27/2014

Weight/Volume
Initial: 3 grams
Final: 10 mL

Analysis: SW 8082, Soil
Batch: EGC/4852 (HBN: 122277)
Analyzed: 03/03/2014 00:00

Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.34**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Sample ID: 16EX01-Dup
Lab ID: 1405801016
Matrix: Soil/Solid/Sediment
Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA
Collected: 02/26/2014
Received: 02/27/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18416 (HBN: 122260)
Prepared: 02/27/2014

Weight/Volume
Initial: 3.01 grams
Final: 10 mL

Analysis: SW 8082, Soil
Batch: EGC/4852 (HBN: 122277)
Analyzed: 03/03/2014 00:00

Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.14**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1405801
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 17EX01-01A
Lab ID: 1405801017
Matrix: Soil/Solid/Sediment
Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA
Collected: 02/26/2014
Received: 02/27/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18416 (HBN: 122260)
Prepared: 02/27/2014
Weight/Volume
Initial: 3 grams
Final: 10 mL
Analysis: SW 8082, Soil
Batch: EGC/4852 (HBN: 122277)
Analyzed: 03/03/2014 00:00
Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	<0.033	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Sample ID: 17EX01-01B
Lab ID: 1405801018
Matrix: Soil/Solid/Sediment
Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA
Collected: 02/26/2014
Received: 02/27/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18416 (HBN: 122260)
Prepared: 02/27/2014
Weight/Volume
Initial: 3 grams
Final: 10 mL
Analysis: SW 8082, Soil
Batch: EGC/4852 (HBN: 122277)
Analyzed: 03/03/2014 00:00
Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	<0.033	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1405801
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 17EX01-01C	Sampling Site: KP Bellflower	Collected: 02/26/2014
Lab ID: 1405801019	Media: Bulk	Received: 02/27/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18416 (HBN: 122260)	**Initial:** 3 grams	**Batch:** EGC/4852 (HBN: 122277)	**Percent Solid:** NA
Prepared: 02/27/2014	**Final:** 10 mL	**Analyzed:** 03/03/2014 00:00	**Report Basis:** Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	<0.033	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Comments

Quality Control: SW 8082 - (HBN: 122277)

LCS % Rec for AR1016 was outside Historical/Performance limits but inside method limits.

MS/MSD % Rec for AR1260 was outside QC limits due to matrix effect.

Report Authorization

Method	Analyst	Peer Review
SW 8082	Nadjla Borges	Mila V. Potekhin

Laboratory Contact Information

ALS Environmental
960 W Levoy Drive
Salt Lake City, Utah 84123

Phone: (801) 266-7700
Email: alslt.lab@ALSGlobal.com
Web: www.alsslc.com

ANALYTICAL REPORT

Workorder: 34-1405801
Client: Forensic Analytical
Project Manager: Stella Hanis

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
Samples have not been blank corrected unless otherwise noted.
This test report shall not be reproduced, except in full, without written approval of ALS.

ALS provides professional analytical services for all samples submitted. ALS is not in a position to interpret the data and assumes no responsibility for the quality of the samples submitted.

All quality control samples processed with the samples in this report yielded acceptable results unless otherwise noted.

ALS is accredited for specific fields of testing (scopes) in the following testing sectors. The quality system implemented at ALS conforms to accreditation requirements and is applied to all analytical testing performed by ALS. The following table lists testing sector, accreditation body, accreditation number and website. Please contact these accrediting bodies or your ALS project manager for the current scope of accreditation that applies to your analytical testing.

Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Environmental	ACLASS (DoD ELAP)	ADE-1420	http://www.aclasscorp.com
	Utah (NELAC)	DATA1	http://health.utah.gov/lab/labimp/
	Nevada	UT00009	http://ndep.nv.gov/bsdw/labservice.htm
	Oklahoma	UT00009	http://www.deq.state.ok.us/CSDnew/
	Iowa	IA# 376	http://www.iowadnr.gov/InsideDNR/RegulatoryWater.aspx
	Florida (TNI)	E871067	http://www.dep.state.fl.us/labs/bars/sas/qa/
	Texas (TNI)	T104704456-11-1	http://www.tceq.texas.gov/field/qa/lab_accred_certif.html
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
Lead Testing:			
CPSC	ACLASS (ISO 17025, CPSC)	ADE-1420	http://www.aclasscorp.com
Soil, Dust, Paint ,Air	AIHA (ISO 17025, AIHA ELLAP and NLLAP)	101574	http://www.aihaaccreditedlabs.org
Dietary Supplements	ACLASS (ISO 17025)	ADE-1420	http://www.aclasscorp.com

Result Symbol Definitions

MDL = Method Detection Limit, a statistical estimate of method/media/instrument sensitivity.
RL = Reporting Limit, a verified value of method/media/instrument sensitivity.
CRDL = Contract Required Detection Limit
Reg. Limit = Regulatory Limit.
ND = Not Detected, testing result not detected above the MDL or RL.
< This testing result is less than the numerical value.
** No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U = Qualifier indicates that the analyte was not detected above the MDL.
J = Qualifier Indicates that the analyte value is between the MDL and the RL. It is also used to indicate an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.
B = Qualifier indicates that the analyte was detected in the blank.
E = Qualifier indicates that the analyte result exceeds calibration range.
P = Qualifier indicates that the RPD between the two columns is greater than 40%.

1405801

ANALYTICAL REQUEST FORM

1. ☐ REGULAR Status 1405801

☐ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY 3-4-14
DATE
CONTACT ALS DATACHEM PRIOR TO SENDING SAMPLES

2. Date 2-26-14 Purchase Order No. PJ20631
3. Company Name Forensic Analytical
Address 2959 Pacific Commerce Drive
Rancho Dominguez CA
Person to Contact Michelle Rosales
Telephone (310) 668-5617
Fax Telephone (310) 763-8684
E-mail Address mrosales@forensicanalytical.com
Billing Address (if different from above)

4. Quote No.
ALS Project Manager = Stella Hanis
5. **Sample Collection**
Sampling Site KP Bellflower
Industrial Process
Date of Collection 2-26-14
Time Collected
Date of Shipment
Chain of Custody No.

6. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	8EX01-01A			PCBs: 8082; 3540 or 3550 as appropriate.	ppm
	8EX01-01B				
	8EX01-01C				
	8EX03-01A				
	8EX03-01B				
	8EX03-01C				
	15EX01-01A				
	15EX01-01B				
	15EX01-01C				
	15EX02-01A				
	15EX02-01B				

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other
** 1. mg/sample 2. mg/m^3 3. ppm 4. % 5. _____ (other) Please indicate one or more units in the column entitled Units**

Comments

Possible Contamination and/or Chemical Hazards

Relinquished by Dan [illegible] Date/Time 2-26-14 1540
Received by [illegible] Date/Time 2/27/14 7:48
Relinquished by Date/Time
Received by Date/Time
Relinquished by Date/Time
Received by Date/Time

960 West LeVoy Drive, Salt Lake City, UT 84123 (415) 328-0006 or (801) 266-7700 / FAX: (801) 268-9992
ALS Environmental

ANALYTICAL REQUEST FORM

1. ☐ REGULAR Status

☐ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY 3-4-14
DATE
CONTACT ALS DATACHEM PRIOR TO SENDING SAMPLES

2. Date 2-26-14 Purchase Order No. PJ20631
3. Company Name Forensic Analytical
Address 2959 Pacific Commerce Drive
Rancho Dominguez CA
Person to Contact Michelle Rosales
Telephone (310) 668-5617
Fax Telephone (310) 763-8684
E-mail Address mrosales@forensicanalytical.com
Billing Address (if different from above)

4. Quote No.
ALS Project Manager = Stella Hanis
5. **Sample Collection**
Sampling Site KP Bellflower
Industrial Process
Date of Collection 2-26-14
Time Collected
Date of Shipment
Chain of Custody No.

6. **REQUEST FOR ANALYSES**

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	15EX02-01C			PCB's 8082; 3540 or 3550 as appropriate	ppm
	16EX01-01A				
	16EX01-01B				
	16EX01-01C				
	16EX01-Dup				
	17EX01-01A				
	17EX01-01B				
	17EX01-01C				

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other
** 1. mg/sample 2. mg/m^3 3. ppm 4. % 5. _____ (other) Please indicate one or more units in the column entitled Units**

Comments

Possible Contamination and/or Chemical Hazards

Relinquished by Dan Martinez Date/Time 2-26-14 | 1540
Received by Alfred [illegible] Date/Time 2/27/14 | 7:48
Relinquished by Date/Time
Received by Date/Time
Relinquished by Date/Time
Received by Date/Time

960 West LeVoy Drive, Salt Lake City, UT 84123 (415) 328-0006 or (801) 266-7700 / FAX: (801) 268-9992
ALS Environmental

ANALYTICAL REPORT

Report Date: March 06, 2014

Michelle Rosales
Forensic Analytical
2959 E Pacific Commerce Drive
Rancho Dominguez, CA 90221

Phone: (310) 668-5617
Fax: (310) 763-8684
E-mail: mrosales@forensicanalytical.com

Workorder: **34-1406403**
Project ID: KP Bellflower
Purchase Order: PJ20631

Client Sample ID	Lab ID	Collect Date	Receive Date	Sampling Site
17Ex02-01A	1406403001	03/03/14	03/04/14	KP Bellflower
17Ex02-01B	1406403002	03/03/14	03/04/14	KP Bellflower
17Ex02-01C	1406403003	03/03/14	03/04/14	KP Bellflower

ANALYTICAL REPORT

Workorder: 34-1406403
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 17Ex02-01A
Lab ID: 1406403001
Matrix: Soil/Solid/Sediment

Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA

Collected: 03/03/2014
Received: 03/04/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18439 (HBN: 122493)
Prepared: 03/05/2014

Weight/Volume
Initial: 3.01 grams
Final: 10 mL

Analysis: SW 8082, Soil
Batch: EGC/4858 (HBN: 122535)
Analyzed: 03/05/2014 00:00

Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	<0.033	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Sample ID: 17Ex02-01B
Lab ID: 1406403002
Matrix: Soil/Solid/Sediment

Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA

Collected: 03/03/2014
Received: 03/04/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18439 (HBN: 122493)
Prepared: 03/05/2014

Weight/Volume
Initial: 3.03 grams
Final: 10 mL

Analysis: SW 8082, Soil
Batch: EGC/4858 (HBN: 122535)
Analyzed: 03/05/2014 00:00

Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	<0.033	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1406403
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 17Ex02-01C	Sampling Site: KP Bellflower	Collected: 03/03/2014
Lab ID: 1406403003	Media: Bulk	Received: 03/04/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18439 (HBN: 122493)	**Initial:** 3 grams	**Batch:** EGC/4858 (HBN: 122535)	**Percent Solid:** NA
Prepared: 03/05/2014	**Final:** 10 mL	**Analyzed:** 03/05/2014 00:00	**Report Basis:** Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	<0.033	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Comments

Quality Control: SW 8082 - (HBN: 122535)

MS/MSD recoveries for AR1016 and AR1260 were outside QC limits due to matrix effect.

LCS recovery for AR1016 was outside of Historical/Peformance limits but inside 8082 method limits.

Report Authorization

Method	Analyst	Peer Review
SW 8082	Mila V. Potekhin	Nadjla Borges

Laboratory Contact Information

ALS Environmental
960 W Levoy Drive
Salt Lake City, Utah 84123

Phone: (801) 266-7700
Email: alslt.lab@ALSGlobal.com
Web: www.alsslc.com

ANALYTICAL REPORT

Workorder: 34-1406403
Client: Forensic Analytical
Project Manager: Stella Hanis

General Lab Comments

The results provided in this report relate only to the items tested.
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Samples have not been blank corrected unless otherwise noted.
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Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Environmental	ACLASS (DoD ELAP)	ADE-1420	http://www.aclasscorp.com
	Utah (NELAC)	DATA1	http://health.utah.gov/lab/labimp/
	Nevada	UT00009	http://ndep.nv.gov/bsdw/labservice.htm
	Oklahoma	UT00009	http://www.deq.state.ok.us/CSDnew/
	Iowa	IA# 376	http://www.iowadnr.gov/InsideDNR/RegulatoryWater.aspx
	Florida (TNI)	E871067	http://www.dep.state.fl.us/labs/bars/sas/qa/
	Texas (TNI)	T104704456-11-1	http://www.tceq.texas.gov/field/qa/lab_accred_certif.html
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
Lead Testing:			
CPSC	ACLASS (ISO 17025, CPSC)	ADE-1420	http://www.aclasscorp.com
Soil, Dust, Paint ,Air	AIHA (ISO 17025, AIHA ELLAP and NLLAP)	101574	http://www.aihaaccreditedlabs.org
Dietary Supplements	ACLASS (ISO 17025)	ADE-1420	http://www.aclasscorp.com

Result Symbol Definitions

MDL = Method Detection Limit, a statistical estimate of method/media/instrument sensitivity.
RL = Reporting Limit, a verified value of method/media/instrument sensitivity.
CRDL = Contract Required Detection Limit
Reg. Limit = Regulatory Limit.
ND = Not Detected, testing result not detected above the MDL or RL.
< This testing result is less than the numerical value.
** No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U = Qualifier indicates that the analyte was not detected above the MDL.
J = Qualifier Indicates that the analyte value is between the MDL and the RL. It is also used to indicate an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.
B = Qualifier indicates that the analyte was detected in the blank.
E = Qualifier indicates that the analyte result exceeds calibration range.
P = Qualifier indicates that the RPD between the two columns is greater than 40%.

W 1406403

ANALYTICAL REQUEST FORM

1. ☐ REGULAR Status 1406403

☐ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY 3-7-14
DATE
CONTACT ALS DATACHEM PRIOR TO SENDING SAMPLES

2. Date 3-3-14 Purchase Order No. PJ20631

3. Company Name Forensic Analytical
Address 2959 Pacific Commerce Drive
Rancho Dominguez CA
Person to Contact Michelle Rosales
Telephone (310) 668-5617
Fax Telephone (310) 763-8684
E-mail Address mrosales@forensicanalytical.com
Billing Address (if different from above)

4. Quote No.
ALS Project Manager = Stella Hanis

5. Sample Collection
Sampling Site KP Bellflower
Industrial Process
Date of Collection 3-3-14
Time Collected
Date of Shipment
Chain of Custody No.

6. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	17EX02-01A			PCB's: 8082; 3540 or 3550 as appropriate.	ppm
	17EX02-01B			↓	↓
	17EX02-01C			↓	↓

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other
** 1. mg/sample 2. mg/m^3 3. ppm 4. % 5. _____ (other) Please indicate one or more units in the column entitled Units**

Comments

Possible Contamination and/or Chemical Hazards

Relinquished by [signature] Date/Time 3-3-14 / 1345
Received by [signature] Date/Time 3/4/14 1057
Relinquished by Date/Time
Received by Date/Time
Relinquished by Date/Time
Received by Date/Time

ANALYTICAL REPORT

Report Date: March 17, 2014

Michelle Rosales
Forensic Analytical
2959 E Pacific Commerce Drive
Rancho Dominguez, CA 90221

Phone: (310) 668-5617
Fax: (310) 763-8684
E-mail: mrosales@forensicanalytical.com

Workorder: **34-1407311**
Project ID: KP Bellflower
Purchase Order: PJ20631

Client Sample ID	Lab ID	Collect Date	Receive Date	Sampling Site
EH-01	1407311001	03/13/14	03/14/14	KP Bellflower
EV-01	1407311002	03/13/14	03/14/14	KP Bellflower
ECC-01	1407311003	03/13/14	03/14/14	KP Bellflower
EH-02	1407311004	03/13/14	03/14/14	KP Bellflower
ECC-02	1407311005	03/13/14	03/14/14	KP Bellflower
E7-01	1407311006	03/13/14	03/14/14	KP Bellflower
E7-02	1407311007	03/13/14	03/14/14	KP Bellflower
E7-03	1407311008	03/13/14	03/14/14	KP Bellflower
E6-01	1407311009	03/13/14	03/14/14	KP Bellflower
E6-02	1407311010	03/13/14	03/14/14	KP Bellflower
E6-03	1407311011	03/13/14	03/14/14	KP Bellflower
EV-02	1407311012	03/13/14	03/14/14	KP Bellflower

ANALYTICAL REPORT

Workorder: 34-1407311
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: EH-01
Lab ID: 1407311001
Matrix: Soil/Solid/Sediment
Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA
Collected: 03/13/2014
Received: 03/14/2014

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil
Batch: ENVX/18504 (HBN: 123091)
Prepared: 03/14/2014

Weight/Volume
Initial: 3 grams
Final: 10 mL

Analysis: SW 8082, Soil
Batch: EGC/4874 (HBN: 123160)
Analyzed: 03/16/2014 00:00

Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<3300	3300	100000	
Aroclor 1260	<3300	3300	100000	
Aroclor 1221	<6700	6700	100000	
Aroclor 1232	<3300	3300	100000	
Aroclor 1242	<3300	3300	100000	
Aroclor 1248	<3300	3300	100000	
Aroclor 1254	**280000**	3300	100000	
Aroclor 1268	<3300	3300	100000	
Aroclor 1262	<3300	3300	100000	

Sample ID: EV-01
Lab ID: 1407311002
Matrix: Soil/Solid/Sediment
Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA
Collected: 03/13/2014
Received: 03/14/2014

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil
Batch: ENVX/18504 (HBN: 123091)
Prepared: 03/14/2014

Weight/Volume
Initial: 3 grams
Final: 10 mL

Analysis: SW 8082, Soil
Batch: EGC/4874 (HBN: 123160)
Analyzed: 03/16/2014 00:00

Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<3300	3300	100000	
Aroclor 1260	<3300	3300	100000	
Aroclor 1221	<6700	6700	100000	
Aroclor 1232	<3300	3300	100000	
Aroclor 1242	<3300	3300	100000	
Aroclor 1248	<3300	3300	100000	
Aroclor 1254	**330000**	3300	100000	
Aroclor 1268	<3300	3300	100000	
Aroclor 1262	<3300	3300	100000	

ANALYTICAL REPORT

Workorder: 34-1407311
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: ECC-01 | Sampling Site: KP Bellflower | Collected: 03/13/2014
Lab ID: 1407311003 | Media: Bulk | Received: 03/14/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18504 (HBN: 123091)	**Initial:** 3 grams	**Batch:** EGC/4874 (HBN: 123160)	**Percent Solid:** NA
Prepared: 03/14/2014	**Final:** 10 mL	**Analyzed:** 03/16/2014 00:00	**Report Basis:** Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<3300	3300	100000	
Aroclor 1260	<3300	3300	100000	
Aroclor 1221	<6700	6700	100000	
Aroclor 1232	<3300	3300	100000	
Aroclor 1242	<3300	3300	100000	
Aroclor 1248	<3300	3300	100000	
Aroclor 1254	**290000**	3300	100000	
Aroclor 1268	<3300	3300	100000	
Aroclor 1262	<3300	3300	100000	

Sample ID: EH-02 | Sampling Site: KP Bellflower | Collected: 03/13/2014
Lab ID: 1407311004 | Media: Bulk | Received: 03/14/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18504 (HBN: 123091)	**Initial:** 3 grams	**Batch:** EGC/4874 (HBN: 123160)	**Percent Solid:** NA
Prepared: 03/14/2014	**Final:** 10 mL	**Analyzed:** 03/16/2014 00:00	**Report Basis:** Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<3300	3300	100000	
Aroclor 1260	<3300	3300	100000	
Aroclor 1221	<6700	6700	100000	
Aroclor 1232	<3300	3300	100000	
Aroclor 1242	<3300	3300	100000	
Aroclor 1248	<3300	3300	100000	
Aroclor 1254	**63000**	3300	100000	
Aroclor 1268	<3300	3300	100000	
Aroclor 1262	<3300	3300	100000	

ANALYTICAL REPORT

Workorder: 34-1407311
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: ECC-02
Lab ID: 1407311005
Matrix: Soil/Solid/Sediment
Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA
Collected: 03/13/2014
Received: 03/14/2014

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil
Batch: ENVX/18504 (HBN: 123091)
Prepared: 03/14/2014
Weight/Volume
Initial: 3 grams
Final: 10 mL
Analysis: SW 8082, Soil
Batch: EGC/4874 (HBN: 123160)
Analyzed: 03/16/2014 00:00
Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<3300	3300	100000	
Aroclor 1260	<3300	3300	100000	
Aroclor 1221	<6700	6700	100000	
Aroclor 1232	<3300	3300	100000	
Aroclor 1242	<3300	3300	100000	
Aroclor 1248	<3300	3300	100000	
Aroclor 1254	**170000**	3300	100000	
Aroclor 1268	<3300	3300	100000	
Aroclor 1262	<3300	3300	100000	

Sample ID: E7-01
Lab ID: 1407311006
Matrix: Soil/Solid/Sediment
Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA
Collected: 03/13/2014
Received: 03/14/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18503 (HBN: 123062)
Prepared: 03/14/2014
Weight/Volume
Initial: 3 grams
Final: 10 mL
Analysis: SW 8082, Soil
Batch: EGC/4867 (HBN: 123114)
Analyzed: 03/16/2014 00:00
Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.33	0.33	10	
Aroclor 1260	<0.33	0.33	10	
Aroclor 1221	<0.67	0.67	10	
Aroclor 1232	<0.33	0.33	10	
Aroclor 1242	<0.33	0.33	10	
Aroclor 1248	<0.33	0.33	10	
Aroclor 1254	**17**	0.33	10	
Aroclor 1268	<0.33	0.33	10	
Aroclor 1262	<0.33	0.33	10	

ANALYTICAL REPORT

Workorder: 34-1407311
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: E7-02
Lab ID: 1407311007
Matrix: Soil/Solid/Sediment
Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA
Collected: 03/13/2014
Received: 03/14/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18503 (HBN: 123062)
Prepared: 03/14/2014
Weight/Volume
Initial: 3 grams
Final: 10 mL
Analysis: SW 8082, Soil
Batch: EGC/4867 (HBN: 123114)
Analyzed: 03/16/2014 00:00
Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**1.4**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Sample ID: E7-03
Lab ID: 1407311008
Matrix: Soil/Solid/Sediment
Sampling Site: KP Bellflower
Media: Bulk
Sampling Parameter: NA
Collected: 03/13/2014
Received: 03/14/2014

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil
Batch: ENVX/18503 (HBN: 123062)
Prepared: 03/14/2014
Weight/Volume
Initial: 3 grams
Final: 10 mL
Analysis: SW 8082, Soil
Batch: EGC/4867 (HBN: 123114)
Analyzed: 03/16/2014 00:00
Instrument ID: GCE03
Percent Solid: NA
Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.83**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1407311
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: E6-01 | Sampling Site: KP Bellflower | Collected: 03/13/2014
Lab ID: 1407311009 | Media: Bulk | Received: 03/14/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18503 (HBN: 123062)	**Initial:** 3 grams	**Batch:** EGC/4867 (HBN: 123114)	**Percent Solid:** NA
Prepared: 03/14/2014	**Final:** 10 mL	**Analyzed:** 03/16/2014 00:00	**Report Basis:** Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.33	0.33	10	
Aroclor 1260	<0.33	0.33	10	
Aroclor 1221	<0.67	0.67	10	
Aroclor 1232	<0.33	0.33	10	
Aroclor 1242	<0.33	0.33	10	
Aroclor 1248	<0.33	0.33	10	
Aroclor 1254	**9.2**	0.33	10	
Aroclor 1268	<0.33	0.33	10	
Aroclor 1262	<0.33	0.33	10	

Sample ID: E6-02 | Sampling Site: KP Bellflower | Collected: 03/13/2014
Lab ID: 1407311010 | Media: Bulk | Received: 03/14/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18503 (HBN: 123062)	**Initial:** 3.01 grams	**Batch:** EGC/4867 (HBN: 123114)	**Percent Solid:** NA
Prepared: 03/14/2014	**Final:** 10 mL	**Analyzed:** 03/16/2014 00:00	**Report Basis:** Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.49**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1407311
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: E6-03 | Sampling Site: KP Bellflower | Collected: 03/13/2014
Lab ID: 1407311011 | Media: Bulk | Received: 03/14/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18503 (HBN: 123062)	**Initial:** 3.01 grams	**Batch:** EGC/4867 (HBN: 123114)	**Percent Solid:** NA
Prepared: 03/14/2014	**Final:** 10 mL	**Analyzed:** 03/16/2014 00:00	**Report Basis:** Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.94**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Sample ID: EV-02 | Sampling Site: KP Bellflower | Collected: 03/13/2014
Lab ID: 1407311012 | Media: Bulk | Received: 03/14/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18504 (HBN: 123091)	**Initial:** 3.01 grams	**Batch:** EGC/4874 (HBN: 123160)	**Percent Solid:** NA
Prepared: 03/14/2014	**Final:** 10 mL	**Analyzed:** 03/16/2014 00:00	**Report Basis:** Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<3300	3300	100000	
Aroclor 1260	<3300	3300	100000	
Aroclor 1221	<6700	6700	100000	
Aroclor 1232	<3300	3300	100000	
Aroclor 1242	<3300	3300	100000	
Aroclor 1248	<3300	3300	100000	
Aroclor 1254	**290000**	3300	100000	
Aroclor 1268	<3300	3300	100000	
Aroclor 1262	<3300	3300	100000	

Comments

Quality Control: SW 8082 - (HBN: 123114)

MS/MSD recoveries for AR1016 and AR1260 were outside of QC limits due to matrix effect.

LCS recovery for AR1016 was outside Historical/Performance limits but inside 8082 method limits.

Quality Control: SW 8082 - (HBN: 123160)

All surrogate recoveries for samples were outside of QC limits due to matrix effect.

LCS/LCSD were ouside of QC limits. NC/CAR #748 was issued.

ANALYTICAL REPORT

Workorder: 34-1407311
Client: Forensic Analytical
Project Manager: Stella Hanis

Comments

Quality Control: SW 8082 - (HBN: 123160)

MB was contaminated with AR1254. NC/CAR #748 was issued.

Since all samples required 100,000 dilutions, all samples were not affected for MB contamination.

Report Authorization

Method	Analyst	Peer Review
SW 8082	Mila V. Potekhin	Nadjla Borges

Laboratory Contact Information

ALS Environmental
960 W Levoy Drive
Salt Lake City, Utah 84123

Phone: (801) 266-7700
Email: alslt.lab@ALSGlobal.com
Web: www.alsslc.com

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
Samples have not been blank corrected unless otherwise noted.
This test report shall not be reproduced, except in full, without written approval of ALS.

ALS provides professional analytical services for all samples submitted. ALS is not in a position to interpret the data and assumes no responsibility for the quality of the samples submitted.

All quality control samples processed with the samples in this report yielded acceptable results unless otherwise noted.

ALS is accredited for specific fields of testing (scopes) in the following testing sectors. The quality system implemented at ALS conforms to accreditation requirements and is applied to all analytical testing performed by ALS. The following table lists testing sector, accreditation body, accreditation number and website. Please contact these accrediting bodies or your ALS project manager for the current scope of accreditation that applies to your analytical testing.

Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Environmental	ACLASS (DoD ELAP)	ADE-1420	http://www.aclasscorp.com
	Utah (NELAC)	DATA1	http://health.utah.gov/lab/labimp/
	Nevada	UT00009	http://ndep.nv.gov/bsdw/labservice.htm
	Oklahoma	UT00009	http://www.deq.state.ok.us/CSDnew/
	Iowa	IA# 376	http://www.iowadnr.gov/InsideDNR/RegulatoryWater.aspx
	Florida (TNI)	E871067	http://www.dep.state.fl.us/labs/bars/sas/qa/
	Texas (TNI)	T104704456-11-1	http://www.tceq.texas.gov/field/qa/lab_accred_certif.html
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
Lead Testing:			
CPSC	ACLASS (ISO 17025, CPSC)	ADE-1420	http://www.aclasscorp.com
Soil, Dust, Paint ,Air	AIHA (ISO 17025, AIHA ELLAP and NLLAP)	101574	http://www.aihaaccreditedlabs.org
Dietary Supplements	ACLASS (ISO 17025)	ADE-1420	http://www.aclasscorp.com

ANALYTICAL REPORT

Workorder: 34-1407311
Client: Forensic Analytical
Project Manager: Stella Hanis

Result Symbol Definitions

MDL = Method Detection Limit, a statistical estimate of method/media/instrument sensitivity.
RL = Reporting Limit, a verified value of method/media/instrument sensitivity.
CRDL = Contract Required Detection Limit
Reg. Limit = Regulatory Limit.
ND = Not Detected, testing result not detected above the MDL or RL.
< This testing result is less than the numerical value.
** No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U = Qualifier indicates that the analyte was not detected above the MDL.
J = Qualifier Indicates that the analyte value is between the MDL and the RL. It is also used to indicate an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.
B = Qualifier indicates that the analyte was detected in the blank.
E = Qualifier indicates that the analyte result exceeds calibration range.
P = Qualifier indicates that the RPD between the two columns is greater than 40%.

W 1407311

ANALYTICAL REQUEST FORM

1. ☐ REGULAR Status 14P311

☒ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY ___ _____
DATE
CONTACT ALS DATACHEM PRIOR TO SENDING SAMPLES

2. Date 3-13-14 Purchase Order No. PJ20631
3. Company Name Forensic Analytical
Address 2959 Pacific Commerce Drive
Rancho Dominguez CA
Person to Contact Michelle Rosales
Telephone (310) 668-5617
Fax Telephone (310) 763-8684
E-mail Address mrosales@forensicanalytical.com
Billing Address (if different from above)

4. Quote No.
ALS Project Manager = Stella Hanis
5. **Sample Collection**
Sampling Site KP Bellflower
Industrial Process
Date of Collection 3-13-14
Time Collected
Date of Shipment
Chain of Custody No.

6. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	EH-01			PCBs: 8082; 3540 or 3550 as appropriate	ppm
	EV-01				
	ECC-01				
	EH-02				
listed MLC 3/14/14	EA-02				
	ECC-02				
	E7-01				
	E7-02				
	E7-03				
	Eb-01				
	Eb-02, Eb-3				

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other
** 1. mg/sample 2. mg/m^3 3. ppm 4. % 5. ____ (other) Please indicate one or more units in the column entitled Units**

Comments EV02 - (received but not listed ME 3/14/14)

Possible Contamination and/or Chemical Hazards

Relinquished by Dan Martin Date/Time 3-13-14
Received by [illegible] Date/Time 3/14/14 742
Relinquished by Date/Time
Received by Date/Time
Relinquished by Date/Time
Received by Date/Time

960 West LeVoy Drive, Salt Lake City, UT 84123 (415) 328-0006 or (801) 266-7700 / FAX: (801) 268-9992
ALS Environmental

ANALYTICAL REPORT

Report Date: April 04, 2014

Michelle Rosales
Forensic Analytical
2959 E Pacific Commerce Drive
Rancho Dominguez, CA 90221

Phone: (310) 668-5617
Fax: (310) 763-8684
E-mail: mrosales@forensicanalytical.com

Workorder: **34-1409208**
Project ID: KP Bellflower 040114
Purchase Order: PJ20631

Client Sample ID	Lab ID	Collect Date	Receive Date	Sampling Site
7N-Deck-01	1409208001	04/01/14	04/02/14	KP Bellflower
7N-Deck-02	1409208002	04/01/14	04/02/14	KP Bellflower
7N-Deck-03	1409208003	04/01/14	04/02/14	KP Bellflower
7N-Deck-04	1409208004	04/01/14	04/02/14	KP Bellflower
6N-Deck-01	1409208005	04/01/14	04/02/14	KP Bellflower
6N-Deck-02	1409208006	04/01/14	04/02/14	KP Bellflower
6N-Deck-03	1409208007	04/01/14	04/02/14	KP Bellflower
6N-Deck-04	1409208008	04/01/14	04/02/14	KP Bellflower
5N-Deck-04	1409208009	04/01/14	04/02/14	KP Bellflower
5N-Deck-03	1409208010	04/01/14	04/02/14	KP Bellflower
5N-Deck-01	1409208011	04/01/14	04/02/14	KP Bellflower
3S-Deck-04	1409208012	04/01/14	04/02/14	KP Bellflower
3S-Deck-03	1409208013	04/01/14	04/02/14	KP Bellflower
3S-Deck-02	1409208014	04/01/14	04/02/14	KP Bellflower

ANALYTICAL REPORT

Workorder: 34-1409208
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 7N-Deck-01 | Sampling Site: KP Bellflower | Collected: 04/01/2014
Lab ID: 1409208001 | Media: Bulk | Received: 04/02/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18654 (HBN: 124169)	**Initial:** 3 grams	**Batch:** EGC/4910 (HBN: 124268)	**Percent Solid:** NA
Prepared: 04/02/2014	**Final:** 10 mL	**Analyzed:** 04/03/2014 00:00	**Report Basis:** Wet

Analyte	ug/g	RL (ug/g)	Dilution	Qual.
Aroclor 1016	<3.3	3.3	100	
Aroclor 1260	<3.3	3.3	100	
Aroclor 1221	<6.7	6.7	100	
Aroclor 1232	<3.3	3.3	100	
Aroclor 1242	<3.3	3.3	100	
Aroclor 1248	<3.3	3.3	100	
Aroclor 1254	**97**	3.3	100	
Aroclor 1268	<3.3	3.3	100	
Aroclor 1262	<3.3	3.3	100	

Sample ID: 7N-Deck-02 | Sampling Site: KP Bellflower | Collected: 04/01/2014
Lab ID: 1409208002 | Media: Bulk | Received: 04/02/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18654 (HBN: 124169)	**Initial:** 3 grams	**Batch:** EGC/4910 (HBN: 124268)	**Percent Solid:** NA
Prepared: 04/02/2014	**Final:** 10 mL	**Analyzed:** 04/03/2014 00:00	**Report Basis:** Wet

Analyte	ug/g	RL (ug/g)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**3.0**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1409208
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 7N-Deck-03 | Sampling Site: KP Bellflower | Collected: 04/01/2014
Lab ID: 1409208003 | Media: Bulk | Received: 04/02/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18654 (HBN: 124169)	**Initial:** 3.04 grams	**Batch:** EGC/4910 (HBN: 124268)	**Percent Solid:** NA
Prepared: 04/02/2014	**Final:** 10 mL	**Analyzed:** 04/03/2014 00:00	**Report Basis:** Wet

Analyte	ug/g	RL (ug/g)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.71**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Sample ID: 7N-Deck-04 | Sampling Site: KP Bellflower | Collected: 04/01/2014
Lab ID: 1409208004 | Media: Bulk | Received: 04/02/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18654 (HBN: 124169)	**Initial:** 3 grams	**Batch:** EGC/4910 (HBN: 124268)	**Percent Solid:** NA
Prepared: 04/02/2014	**Final:** 10 mL	**Analyzed:** 04/03/2014 00:00	**Report Basis:** Wet

Analyte	ug/g	RL (ug/g)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.36**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1409208
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 6N-Deck-01 | Sampling Site: KP Bellflower | Collected: 04/01/2014
Lab ID: 1409208005 | Media: Bulk | Received: 04/02/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18654 (HBN: 124169)	**Initial:** 3 grams	**Batch:** EGC/4910 (HBN: 124268)	**Percent Solid:** NA
Prepared: 04/02/2014	**Final:** 10 mL	**Analyzed:** 04/03/2014 00:00	**Report Basis:** Wet

Analyte	ug/g	RL (ug/g)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.47**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Sample ID: 6N-Deck-02 | Sampling Site: KP Bellflower | Collected: 04/01/2014
Lab ID: 1409208006 | Media: Bulk | Received: 04/02/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18654 (HBN: 124169)	**Initial:** 3 grams	**Batch:** EGC/4910 (HBN: 124268)	**Percent Solid:** NA
Prepared: 04/02/2014	**Final:** 10 mL	**Analyzed:** 04/03/2014 00:00	**Report Basis:** Wet

Analyte	ug/g	RL (ug/g)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.050**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1409208
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 6N-Deck-03 | Sampling Site: KP Bellflower | Collected: 04/01/2014
Lab ID: 1409208007 | Media: Bulk | Received: 04/02/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18654 (HBN: 124169)	**Initial:** 3 grams	**Batch:** EGC/4910 (HBN: 124268)	**Percent Solid:** NA
Prepared: 04/02/2014	**Final:** 10 mL	**Analyzed:** 04/03/2014 00:00	**Report Basis:** Wet

Analyte	ug/g	RL (ug/g)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.060**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Sample ID: 6N-Deck-04 | Sampling Site: KP Bellflower | Collected: 04/01/2014
Lab ID: 1409208008 | Media: Bulk | Received: 04/02/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18654 (HBN: 124169)	**Initial:** 3.01 grams	**Batch:** EGC/4910 (HBN: 124268)	**Percent Solid:** NA
Prepared: 04/02/2014	**Final:** 10 mL	**Analyzed:** 04/03/2014 00:00	**Report Basis:** Wet

Analyte	ug/g	RL (ug/g)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.63**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1409208
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 5N-Deck-04 | Sampling Site: KP Bellflower | Collected: 04/01/2014
Lab ID: 1409208009 | Media: Bulk | Received: 04/02/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18654 (HBN: 124169)	**Initial:** 3.02 grams	**Batch:** EGC/4910 (HBN: 124268)	**Percent Solid:** NA
Prepared: 04/02/2014	**Final:** 10 mL	**Analyzed:** 04/03/2014 00:00	**Report Basis:** Wet

Analyte	ug/g	RL (ug/g)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.090**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Sample ID: 5N-Deck-03 | Sampling Site: KP Bellflower | Collected: 04/01/2014
Lab ID: 1409208010 | Media: Bulk | Received: 04/02/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18654 (HBN: 124169)	**Initial:** 3.02 grams	**Batch:** EGC/4910 (HBN: 124268)	**Percent Solid:** NA
Prepared: 04/02/2014	**Final:** 10 mL	**Analyzed:** 04/03/2014 00:00	**Report Basis:** Wet

Analyte	ug/g	RL (ug/g)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	<0.033	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1409208
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 5N-Deck-01 | Sampling Site: KP Bellflower | Collected: 04/01/2014
Lab ID: 1409208011 | Media: Bulk | Received: 04/02/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18654 (HBN: 124169)	**Initial:** 3.01 grams	**Batch:** EGC/4910 (HBN: 124268)	**Percent Solid:** NA
Prepared: 04/02/2014	**Final:** 10 mL	**Analyzed:** 04/03/2014 00:00	**Report Basis:** Wet

Analyte	ug/g	RL (ug/g)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	<0.033	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Sample ID: 3S-Deck-04 | Sampling Site: KP Bellflower | Collected: 04/01/2014
Lab ID: 1409208012 | Media: Bulk | Received: 04/02/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18654 (HBN: 124169)	**Initial:** 3.04 grams	**Batch:** EGC/4910 (HBN: 124268)	**Percent Solid:** NA
Prepared: 04/02/2014	**Final:** 10 mL	**Analyzed:** 04/03/2014 00:00	**Report Basis:** Wet

Analyte	ug/g	RL (ug/g)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.32**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

ANALYTICAL REPORT

Workorder: 34-1409208
Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 3S-Deck-03 | Sampling Site: KP Bellflower | Collected: 04/01/2014
Lab ID: 1409208013 | Media: Bulk | Received: 04/02/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18654 (HBN: 124169)	**Initial:** 3.02 grams	**Batch:** EGC/4910 (HBN: 124268)	**Percent Solid:** NA
Prepared: 04/02/2014	**Final:** 10 mL	**Analyzed:** 04/03/2014 00:00	**Report Basis:** Wet

Analyte	ug/g	RL (ug/g)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.47**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Sample ID: 3S-Deck-02 | Sampling Site: KP Bellflower | Collected: 04/01/2014
Lab ID: 1409208014 | Media: Bulk | Received: 04/02/2014
Matrix: Soil/Solid/Sediment | Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3550, Sonic Ext, ARO Soil	**Weight/Volume**	**Analysis:** SW 8082, Soil	**Instrument ID:** GCE03
Batch: ENVX/18654 (HBN: 124169)	**Initial:** 3.02 grams	**Batch:** EGC/4910 (HBN: 124268)	**Percent Solid:** NA
Prepared: 04/02/2014	**Final:** 10 mL	**Analyzed:** 04/03/2014 00:00	**Report Basis:** Wet

Analyte	ug/g	RL (ug/g)	Dilution	Qual.
Aroclor 1016	<0.033	0.033	1	
Aroclor 1260	<0.033	0.033	1	
Aroclor 1221	<0.067	0.067	1	
Aroclor 1232	<0.033	0.033	1	
Aroclor 1242	<0.033	0.033	1	
Aroclor 1248	<0.033	0.033	1	
Aroclor 1254	**0.69**	0.033	1	
Aroclor 1268	<0.033	0.033	1	
Aroclor 1262	<0.033	0.033	1	

Comments

Quality Control: SW 8082 - (HBN: 124268)

LCS % Recovery for AR1016 and AR1260 was outside Historical/Performance limits but inside Method 8082 limits.

MS/MSD % Recovery for AR1016 was outside QC limits due to matrix effect.

Surrogate Recovery for sample 1409208011 was outside QC limits due to matrix effect.

ANALYTICAL REPORT

Workorder: 34-1409208
Client: Forensic Analytical
Project Manager: Stella Hanis

Report Authorization

Method	Analyst	Peer Review
SW 8082	Nadjla Borges	Mila V. Potekhin

Laboratory Contact Information

ALS Environmental
960 W Levoy Drive
Salt Lake City, Utah 84123

Phone: (801) 266-7700
Email: alslt.lab@ALSGlobal.com
Web: www.alsslc.com

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
Samples have not been blank corrected unless otherwise noted.
This test report shall not be reproduced, except in full, without written approval of ALS.

ALS provides professional analytical services for all samples submitted. ALS is not in a position to interpret the data and assumes no responsibility for the quality of the samples submitted.

All quality control samples processed with the samples in this report yielded acceptable results unless otherwise noted.

ALS is accredited for specific fields of testing (scopes) in the following testing sectors. The quality system implemented at ALS conforms to accreditation requirements and is applied to all analytical testing performed by ALS. The following table lists testing sector, accreditation body, accreditation number and website. Please contact these accrediting bodies or your ALS project manager for the current scope of accreditation that applies to your analytical testing.

Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Environmental	ACLASS (DoD ELAP)	ADE-1420	http://www.aclasscorp.com
	Utah (NELAC)	DATA1	http://health.utah.gov/lab/labimp/
	Nevada	UT00009	http://ndep.nv.gov/bsdw/labservice.htm
	Oklahoma	UT00009	http://www.deq.state.ok.us/CSDnew/
	Iowa	IA# 376	http://www.iowadnr.gov/InsideDNR/RegulatoryWater.aspx
	Florida (TNI)	E871067	http://www.dep.state.fl.us/labs/bars/sas/qa/
	Texas (TNI)	T104704456-11-1	http://www.tceq.texas.gov/field/qa/lab_accred_certif.html
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
Lead Testing:			
CPSC	ACLASS (ISO 17025, CPSC)	ADE-1420	http://www.aclasscorp.com
Soil, Dust, Paint ,Air	AIHA (ISO 17025, AIHA ELLAP and NLLAP)	101574	http://www.aihaaccreditedlabs.org
Dietary Supplements	ACLASS (ISO 17025)	ADE-1420	http://www.aclasscorp.com

ANALYTICAL REPORT

Workorder: 34-1409208
Client: Forensic Analytical
Project Manager: Stella Hanis

Result Symbol Definitions

MDL = Method Detection Limit, a statistical estimate of method/media/instrument sensitivity.
RL = Reporting Limit, a verified value of method/media/instrument sensitivity.
CRDL = Contract Required Detection Limit
Reg. Limit = Regulatory Limit.
ND = Not Detected, testing result not detected above the MDL or RL.
< This testing result is less than the numerical value.
** No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U = Qualifier indicates that the analyte was not detected above the MDL.
J = Qualifier Indicates that the analyte value is between the MDL and the RL. It is also used to indicate an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.
B = Qualifier indicates that the analyte was detected in the blank.
E = Qualifier indicates that the analyte result exceeds calibration range.
P = Qualifier indicates that the RPD between the two columns is greater than 40%.

1409208

ANALYTICAL REQUEST FORM

1. ☐ REGULAR Status 1409208

☒ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY ASAP
DATE
CONTACT ALS DATACHEM PRIOR TO SENDING SAMPLES

2. Date ~~2-12-14~~ 4-1-14 MC Purchase Order No. PJ20631

3. Company Name: Forensic Analytical Consulting Services
Address 2959 Pacific Commerce Dr.
Rancho Dominguez, CA
Person to Contact Michelle Rosales
Telephone (310) 668-5617
Fax Telephone (310) 763-8684
E-mail Address mrosales@forensicanalytical.com
Billing Address (if different from above)

4. Quote No.
ALS Project Manager = Stella Hanis

5. **Sample Collection**
Sampling Site KP Bellflower
Industrial Process
Date of Collection ~~2-12-14~~ MC 4-1-14
Time Collected
Date of Shipment ~~2-12-14~~ MC 4-1-14
Chain of Custody No.

6. **REQUEST FOR ANALYSES**

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	7N-Deck-01			PCBs: 8082; 3540 or 3550 as appropriate	ppm
	02				
	03				
	04				
	6N-Deck-01				
	02				
	03				
	04				
	5N-Deck 04				
	03				
	01				

WC * Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other
** 1. mg/sample 2. mg/m^3 3. ppm 4. % 5. _____ (other) Please indicate one or more units in the column entitled Units**

Comments also mg/kg

Possible Contamination and/or Chemical Hazards

Relinquished by [signature] Date/Time 4-1-14 1530
Received by [signature] Date/Time 4/2/14 800
Relinquished by Date/Time
Received by Date/Time
Relinquished by Date/Time
Received by Date/Time

ANALYTICAL REQUEST FORM

1. ☐ REGULAR Status

☑ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY ASAP
DATE
CONTACT ALS DATACHEM PRIOR TO SENDING SAMPLES

2. Date ~~2-12-14~~ MR 4-1-14 Purchase Order No. PJ20631

3. Company Name: Forensic Analytical Consulting Services
Address 2959 Pacific Commerce Dr.
Rancho Dominguez, CA
Person to Contact Michelle Rosales
Telephone (310) 668-5617
Fax Telephone (310) 763-8684
E-mail Address mrosales@forensicanalytical.com
Billing Address (if different from above)

4. Quote No.
ALS Project Manager = Stella Hanis

5. **Sample Collection**
Sampling Site KP Bellflower
Industrial Process
Date of Collection ~~2-12-14~~ MR 4-1-14
Time Collected
Date of Shipment ~~2-12-14~~ MR 4-1-14
Chain of Custody No.

6. **REQUEST FOR ANALYSES**

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	35-Dec-04			PCBs: 8082; 3540 or 3550 as appropriate	ppm
	03				
	02				

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other
** 1. mg/sample 2. mg/m^3 3. ppm 4. % 5. ____ (other) Please indicate one or more units in the column entitled Units**

Comments also mg/kg

Possible Contamination and/or Chemical Hazards

Relinquished by _____ Date/Time _____
Received by _____ Date/Time 4/2/14/ 800
Relinquished by _____ Date/Time _____
Received by _____ Date/Time _____
Relinquished by _____ Date/Time _____
Received by _____ Date/Time _____

960 West LeVoy Drive, Salt Lake City, UT 84123 (415) 328-0006 or (801) 266-7700 / FAX: (801) 268-9992
ALS Environmental

Appendix C: Photographs

Photo #01 – Overview of building scheduled for demolition

Photo #02 – Overview of building scheduled for demolition

Photo #03 – Overview of building scheduled for demolition

Photo #04 – Overview of building scheduled for demolition

Photo #05 – Overview of building scheduled for demolition

Photo #06 – Overview of building scheduled for demolition

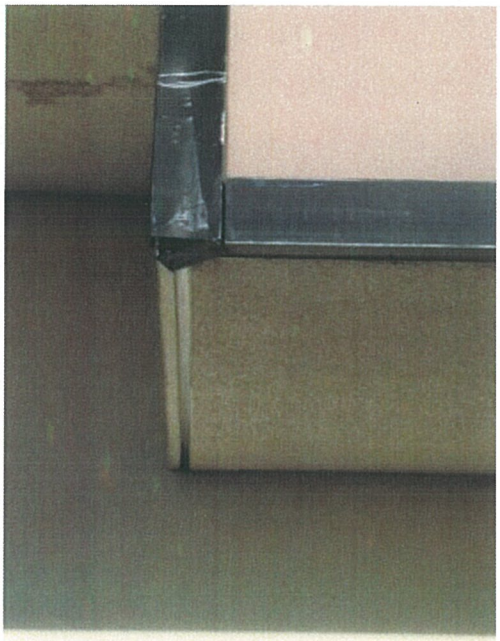

Photo #07: Brown metal frame – caulk identified as <50mg/kg PCB

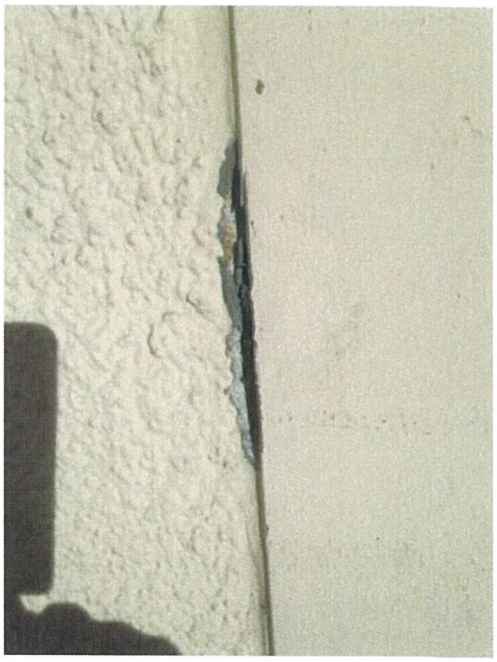

Photo #08: Expansion Joint Compound – caulk identified as <50mg/kg PCB

Photo #09: HVAC – caulk identified as <50mg/kg PCB

Photo #10: White Panels – S elevation – caulk identified as <50mg/kg PCB

Photo #11: Pebble wall – caulk > 50 mg/kg PCBs; substrate <1 mg/kg PCBs

Photo #12: Concrete wall - caulk > 50 mg/kg PCBs; substrate <1 mg/kg PCBs

Photo #13: Stucco wall – caulk > 50 mg/kg PCBs; substrate <1 mg/kg PCBs

Photo #14: Concrete Column – caulk > 50 mg/kg PCBs; substrate >1 mg/kg PCBs

Photo #15: Concrete Block Wall – caulk > 50 mg/kg PCBs; substrate >1 mg/kg PCBs

Photo #16: Concrete Deck Substrate – caulk > 50 mg/kg PCBs; deck substrates > 1 mg/kg PCBs

Appendix D:
USEPA Document:
"Current Best Practices for PCBs in Caulk Fact Sheet - Disposal Options for PCBs in Caulk and PCB-Contaminated Soil and Building Materials"

Current Best Practices for PCBs in Caulk Fact Sheet - Disposal Options for PCBs in Caulk and PCB-Contaminated Soil and Building Materials

Last Updated: December 2012

PCBs in caulk

EPA has learned that caulk containing polychlorinated biphenyls (PCBs) was used in many buildings, including schools, during building construction, renovation, or repair from the 1950s through the late 1970s.

This fact sheet identifies for school system officials key information on disposal options for PCBs in caulk and contaminated soil and building materials.

In addition, this fact sheet identifies who to contact at EPA for advice on addressing PCBs in caulk.

PCBs were not added to caulk after 1979. Therefore in general, schools built after 1979 do not contain PCBs in caulk. To date it has been found in buildings in the Northeast and Upper Midwest and in joints in concrete water storage basins in the western United States. Activities to address PCBs in caulk are underway in these areas. EPA is encouraging greater awareness of this issue so people can take steps to minimize potential exposure.

Exposure to PCBs can cause a variety of adverse health effects in animals and humans. PCBs have been shown to cause cancer in animals, as well as a number of serious non-cancer health effects, including effects on the immune system, reproductive system, nervous system, endocrine system and other health effects. In humans PCBs are potentially cancer-causing and can cause other non-cancer effects as well. For more information on the health effects of PCBs, go to EPA's web site.

As part of EPA's overall effort to provide guidance to building owners concerning PCB containing caulk in buildings, EPA has produced three other fact sheets and a brochure on PCBs in caulk. These fact sheets can be found on EPA's website at: www.epa.gov/pcbsincaulk.

Determining disposal requirements

The PCB regulations separate PCB waste into two categories, with different disposal requirements for each. When assessing your building, it is important to determine what types of PCB waste you will be disposing of.

PCB-containing caulk is considered *PCB bulk product waste* if the concentration of PCBs in the caulk is greater than or equal to ($\geq$) 50 ppm (*see*, 40 CFR § 761.3). *PCB bulk product waste*

includes waste derived from manufactured products containing PCBs in a non-liquid state where the concentration at the time of designation for disposal is ≥ 50 ppm PCBs (*see*, 40 CFR §§ 761.3 & 761.62). Caulk with PCB concentrations ≥ 50 ppm is not authorized for use and must be disposed of as PCB bulk product waste according to 40 CFR § 761.62. Additionally, the definition of PCB bulk product waste includes building materials that have been coated or serviced with PCBs. That is, masonry, wood, metals, and other building materials that are purposely coated with PCB-containing caulk are regulated as PCB bulk product waste if the caulk coating the building materials contains PCBs at concentrations ≥ 50 ppm. If your abatement plan states that you intend to dispose of the PCB caulk and any contaminated building materials together and the PCB caulk becomes separated from the adjacent contaminated building materials during remediation, you may still dispose of all the materials as a PCB bulk product waste. EPA realizes that the PCB caulk may need to be separated during removal from adjacent contaminated building materials due to the presence of other hazardous materials or may accidentally be separated during the removal process.

If the PCB caulk has been removed from the adjacent building materials and disposed of separately, any contaminated adjacent building materials are considered PCB remediation waste. Also, if PCBs have contaminated the adjacent soil, the soil is considered *PCB remediation waste*. *PCB remediation waste* is subject to the cleanup and disposal requirements according to 40 CFR § 761.61.

It is possible that, while the following disposal options are available under the federal PCB regulations, state or local regulations may not allow disposal of materials containing PCBs at concentrations ≥ 50 ppm. It is also possible that a landfill, which meets the regulatory conditions, may choose not to accept materials containing PCBs at concentrations ≥ 50 ppm. When finding a disposal facility, you should ensure that the facility is able and willing to accept the waste.

Disposal options

PCB bulk product waste:

The disposal of *PCB bulk product waste* is regulated under 40 CFR § 761.62. Under this provision, *PCB bulk product waste* must be disposed of in one of three ways: performance-based disposal; disposal in solid waste landfills; or risk-based disposal approval.

> *Performance-based disposal.* The performance-based option allows for disposal of *PCB bulk product waste* in a TSCA incinerator, a TSCA chemical waste landfill, a RCRA hazardous waste landfill, under a TSCA approved alternate disposal method, under the TSCA regulated decontamination procedures; or in a facility with a coordinated approval issued under TSCA. Disposal under this option does not require you to obtain approval from EPA.
>
> *Disposal in solid waste landfills.* Certain *PCB bulk product waste,* such as PCB-containing caulk, even if the concentration of PCBs in the caulk is ≥ 50 ppm, may be disposed of in non-hazardous waste landfills permitted by States. Disposal under this option does not require you to obtain approval from EPA, but does require notification of the landfill prior to the first shipment.
>
> *Risk-based option.* The risk-based option allows for a site-specific, risk-based evaluation of whether *PCB bulk product waste* may be disposed of in a manner other than under the performance based disposal option or the solid waste disposal landfill option. Disposal of *PCB bulk product waste* under this option requires you to obtain approval from EPA based on a finding that the disposal will not present an

unreasonable risk of injury to health or the environment.

Remediation waste:

The disposal of *PCB remediation waste* is regulated under 40 CFR § 761.61. There are three options for management of *PCB remediation waste*:

Self-implementing cleanup and disposal. The self-implementing option links cleanup levels with the expected occupancy rates of the area or building where the contaminated materials are present. The disposal requirements for the self-implementing regulatory option vary based, among other things, on the type of contaminated material and concentration of PCBs in the materials. Cleanup and disposal under this option, while it requires you to notify your EPA PCB Regional Coordinator, does not require you to obtain approval from EPA.

Performance-based disposal. The performance-based option allows for disposal of the contaminated materials in either a TSCA chemical waste landfill or TSCA incinerator, through a TSCA approved alternate disposal method, under the TSCA regulated decontamination procedures, or in a facility with a coordinated approval issued under TSCA. Disposal under this option does not require you to obtain approval from EPA.

Risk-based cleanup and disposal. The risk-based option allows for a site-specific evaluation of whether PCB remediation waste may be cleaned up or disposed of in a manner other than the alternatives provided under the self-implementing or the performance-based disposal options. Disposal of *PCB remediation waste* under this option requires you to obtain an approval from EPA based on a finding that the disposal will not present an unreasonable risk of injury to health or the environment.

Finding a disposal facility for PCB-containing caulk

A listing of TSCA approved disposal facilities is located on EPA's web site.

To find a solid waste disposal facility that will accept PCB-containing caulk, please contact your state environmental agency. Information on how to contact the state agencies is located on EPA's web site.

Ask EPA experts for help addressing PCBs in caulk

If you are considering the risk-based disposal option for either bulk product or remediation waste, you should contact EPA's Toxic Substances Control Act (TSCA) Hotline at 1-888-835-5372 or the EPA PCB Regional Coordinator in your area to discuss the requirements.

EPA is helping to address the issue of PCBs in caulk

EPA is conducting research on how the public is exposed to PCBs in caulk and on the best approaches for reducing exposure and potential risks associated with PCBs in caulk. Where PCBs have been found in the air, soil or in the caulk and other building materials, EPA is committed to helping schools and communities enact plans to reduce exposure. Please contact your regional EPA PCB Regional Coordinator at 1-888-835-5372 for help with assessing contamination and exposure and developing cleanup plans.

This fact sheet is intended solely for guidance and should be used as an informal reference. It

does not replace or supplant the requirements of the Toxic Substances Control Act or the PCB regulations at 40 CFR part 761, and it is not binding on the Agency or individuals. Please refer to the regulations at 40 CFR part 761 for specific requirements relating to PCBs and PCB-containing materials.

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