July 9, 2013

Mr. Barry Rogowski
Washington Department of Ecology
300 Desmond Drive
Lacy, WA 98503-1274

Re: Summary Report for Additional Upland Assessment – Former Woodlife Area, JELD-WEN inc. Former Nord Door Site, 300 West Marine View Drive, Everett, Washington

Dear Mr. Rogowski,

SLR International Corporation is pleased to present this report summarizing the findings of the additional assessment activities which were completed around the former Woodlife storage and use area at the JELD-WEN inc. former Nord Door Site located at 300 West Marine View Drive in Everett, Washington (Site). The Site location is shown on **Figure 1**.

BACKGROUND

The initial Remedial Investigation (RI) of the Site was completed between May and October 2009 and was performed in general conformance with the Washington Department of Ecology (Ecology) approved 2008 RI Work Plan. The work was conducted under an Agreed Order with Ecology for Remedial Investigation/Feasibility Study (RI/FS) and Draft Cleanup Action Plan (CAP), dated January 2, 2008. In May 2012, SLR completed additional upland sampling and analysis in accordance with the August 2011 Phase 2 RI Work Plan. The findings of this investigation were sufficient to complete characterization of upland impacts at the Site for completion of the RI/FS and CAP in all areas except the former Woodlife storage and use area.

On February 20, 2013, SLR submitted an Amendment to the Phase 2 RI Work Plan which was approved by Ecology on February 26, 2013. The purpose of the work described in the Amendment was to perform additional evaluation the source and extent of dioxin and furan impacts in soil and groundwater around the former Woodlife storage and use area in the northeastern portion of the Site.

SCOPE OF WORK

The Scope of Work for the March 2013 investigation included the completion of twelve soil borings in the former Woodlife storage and use area for the collection of soil and groundwater samples. Three soil samples were collected from each boring at depths of 1 foot, 3 feet, and 5 feet below ground surface (bgs). One groundwater grab sample was collected from a temporary well installed at each boring. Sample locations are presented on **Figure 2**.

As outlined in the Amendment to the Phase 2 RI Work Plan, soil and groundwater samples were analyze using a tiered approach. Initially, locations were designated as Round 1 samples and Round 2 samples. While soil and groundwater samples were collected from each depth at each location, only Round 1 samples were initially analyzed by the laboratory. The remaining samples were held pending the initial findings. Additional sample locations and depths were selected for analysis based on the findings of the Round 1 analysis.

FIELD ACTIVITIES

On March 13 and 14, 2013, SLR met with ESN-NW (Geoprobe subcontractor) for the completion of the borings. As outlined in the Work Plan, twelve soil borings were completed in the locations shown on **Figure 2**. Prior to the initiation of field activities, the Washington public utility notification center was contacted to clear the proposed boring locations for any suspected publically-owned underground utilities. In addition, a private utility locating subcontractor was contacted to clear the proposed boring locations for any suspected privately-owned underground utilities.

The borings were completed to depths of approximately seven feet bgs. Groundwater was encountered in all twelve borings at depths ranging from three to four feet bgs. The soil lithology primarily consisted of sand and silt with occasional lenses of woody debris. A photoionization detector (PID) was used to screen the soil samples for the presence of volatile compounds. Boring logs showing lithology, PID measurements, and sample collection depths are included as **Appendix A**.

A sampling and analysis plan (SAP) for the upland investigation and a site-specific Health and Safety Plan were included as appendixes to the Phase 2 RI Work Plan. The methods and procedures described in these plans for soil and groundwater sample collection were utilized during the completed sampling. Sampling equipment was decontaminated between each sample location using the procedures described in the SAP. All soil and groundwater samples were collected during a single sampling event.

The soil and groundwater samples were submitted to SGS Analytical Perspectives, an Ecology-accredited laboratory (Accreditation Number C901-12), for analysis of dioxins and furans (dioxin/furan) by EPA Method 1613B on a standard turnaround time. One sample was also submitted to Environmental Science Corporation (Ecology laboratory accreditation number C847-11) for analysis of volatile organic compounds (VOCs) by EPA Method 8260, semi volatile organic compounds (SVOCs) by EPA Method 8270, and Total Petroleum Hydrocarbons (TPH) by NWTPH-Gx and NWTPH-Dx.

LABORATORY ANALYTICAL RESULTS

The results of the laboratory analyses are summarized on the attached **Table 1** through **Table 6** and copies of the laboratory analytical report are included as **Appendix B**.

Soil Sampling Results

Soil samples from borings GP-501 through GP-507 collected from one foot bgs were initially selected for Round 1 dioxin/furan analysis. Additionally, due to a strong chemical odor noted in

boring GP-501, the soil sample from GP-501 at five feet bgs was also selected for dioxin/furan analysis with the Round 1 samples. To evaluate the nature of the material exhibiting the chemical odor in boring GP-501, the sample from boring GP-501 at three feet bgs was submitted for analysis of VOCs, SVOCs, NWTPH-Gx and NWTPH-Gx. Based on the findings of the Round 1 sample analysis, additional samples from borings GP-508, GP-510, GP-511, and GP-512, collected from one foot bgs, as well as the samples collected from three feet bgs in borings GP-503, GP-505, GP-508 and GP-510, and the sample collected five feet bgs in boring GP-503 were selected for Round 2 analysis.

The dioxin/furan concentrations collected from one foot bgs, three feet bgs, and five feet bgs are shown on Figure 3, Figure 4, and Figure 5, respectively. As is shown on the figures, the highest concentration of dioxin/furan in soil was identified in boring GP-501 at 1 foot bgs (28,816 picograms per gram [pg/g]). This corner of the building is believed to be the location of the former Woodlife use area. Eight of the eleven samples collected from one foot bgs exceeded the Preliminary Cleanup Level of 11 pg/g. With the exception of boring location GP-505, shallow soil concentrations of dioxins/furans generally decrease with distance from boring GP-501. The concentration of dioxin/furan in boring GP-505 at one foot bgs (331.9 pg/g) is comparably higher than the surrounding samples, but significantly lower than the concentration identified in boring GP-501. The dioxin/furan identified in GP-505 may be associated with the former Woodlife aboveground storage tank, which was historically located proximate to boring GP-505. Notably, borings GP-510 and GP-511, which were located between the Woodlife storage and use area and the shoreline, identified concentrations of dioxin/furan of 0.87 pg/g and 0.26 pg/g, respectively, below the PCL of 11 pg/g.

As is shown on Figures 4 and 5, the concentration of dioxin/furan in soil decreases dramatically with depth. For instance, concentrations of dioxin/furan in boring GP-501 decreases from 28,816 pg/g at a depth of one foot bgs down to a concentration of 115 pg/g at a depth of five feet bgs. Similarly, the concentration of dioxin/furan in boring GP-503 decreases from 12,410 pg/g at a depth of one foot bgs down to a concentration of 4.5 pg/g at a depth of five feet bgs.

The supplemental analysis completed on sample GP-501-3 identified SVOCs, carcinogenic PAHs (cPAHs), and TPH in the diesel and oil ranges at concentrations above PCLs. Pentachlorophenol (PCP), a component of Woodlife, was identified at a concentration of 590 milligrams per kilogram (mg/kg), above the PCL of 0.33 mg/kg.

Figure 3 through **Figure 5** present isoconcentration lines which estimate the distribution of dioxin/furan in soil at each depth based on the laboratory analytical results from the March 2013 assessment and from earlier sampling events, and show the approximate extent of impacts above the PCL.

Groundwater Sampling Results

The dioxin/furan concentrations in groundwater samples GP-501 through GP-505 were initially selected for Round 1 dioxin/furan analysis. Based on the findings of the Round 1 sample analysis, groundwater samples from borings GP-508 and GP-510 were selected for Round 2 dioxin/furan analysis.

Groundwater analytical results are summarized on Figure 6. Consistent with the soil analytical results, the highest concentration of dioxin/furan in groundwater was encountered in boring GP-501. The dioxin/furan concentration in groundwater from boring GP-501 (2,569 pg/L) exceeded the PCL of 0.01 pg/L. It should be noted that the groundwater PCLs were set at the detection limit of the analytical laboratory. For comparison sake, the MTCA Method B groundwater cleanup level for dioxins/furans is 0.58 pg/L and the State and Federal drinking water Maximum Contaminant Limit (MCL) is 30 pg/L. Because very low to non-detectable concentrations of dioxin/furan were identified in the majority of the groundwater samples, the attached figures and tables show dioxin/furan TEQs calculated using both a value of zero for non-detections (ND=0) and using a value of ½ the method detection limit for non-detections (ND=½). All of the groundwater samples, as well as the laboratory method blank, exceed the PCL when reported as both ND=0 and ND=½. Additionally, all of the samples exceed MTCA Method B when reported as ND=½. However, only three of the samples (GP-501, GP-502, and GP-503) exceed the MTCA Method B cleanup level when reported as ND=0. With the exception of GP-501, none of the groundwater samples exceeded the MCL for dioxin/furan when reported as either ND=0 or ND=½.

Figure 6 presents isoconcentration lines which estimate the distribution of dioxin/furan in groundwater based on the laboratory analytical results from the March 2013 assessment and from earlier sampling events, and show the approximate extent of impacts above the MTCA Method B cleanup level.

CONCLUSIONS

SLR completed the Phase 2 RI in general accordance with the 2013 Amendment to the Phase 2 RI Work Plan. The soil and groundwater sampling completed in March 2013 was sufficient to characterize the extent of dioxin/furan impacts at upland areas of the Site to allow for completion of the RI/FS and Draft CAP.

Sincerely,
SLR International Corporation

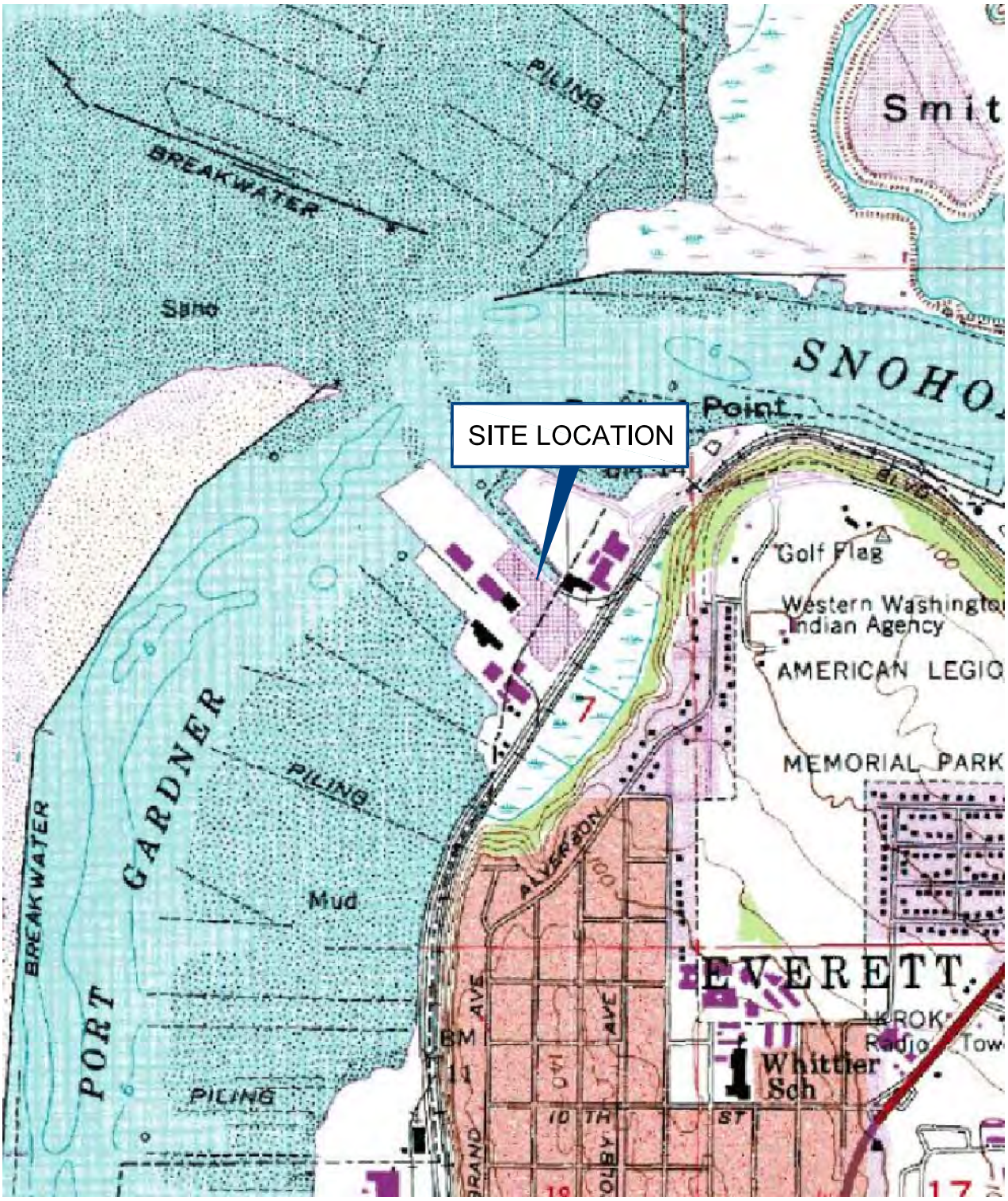
Megan S. Coracci
Principal Scientist

R. Scott Miller, P.E.
Principal Engineer

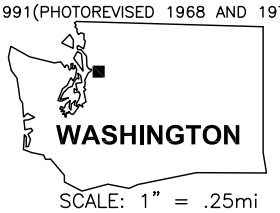
cc Dwayne Arino – JELD-WEN, inc.
Andy Kallus – Washington Department of Ecology

Attachments: Figures 1 to 6
Tables 1 through 4
Appendix A – Soil Boring Logs
Appendix B – Laboratory Analytical Reports

FIGURES



SOURCE: USGS 7.5 MINUTE QUADRANGLE MARYSVILLE, WA; 1991(PHOTOREVISED 1968 AND 1973)



SCALE: 1" = .25mi

0 .25 .5 .75mi

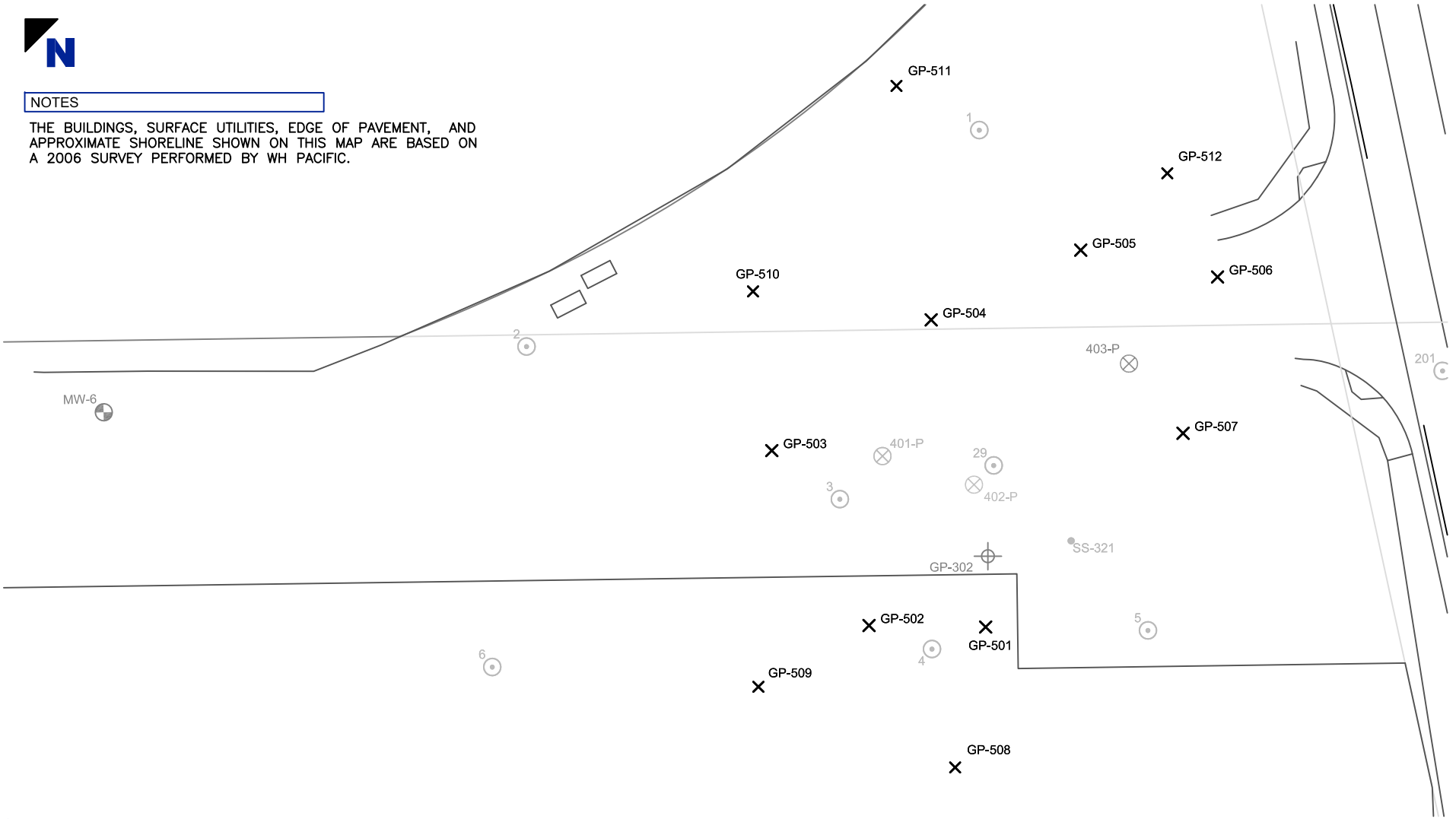
SLR

JELD-WEN SITE
300 WEST MARINE VIEW DRIVE
EVERETT, WASHINGTON

Report
SUMMARY REPORT FOR ADDITIONAL UPLAND ASSESSMENT

Drawing
SITE LOCATION MAP

Date January 17, 2011	Scale AS SHOWN	Fig. No. 1
File Name SITE LOCATION MAP-1	Project No. 108.00228.00026	



NOTES

THE BUILDINGS, SURFACE UTILITIES, EDGE OF PAVEMENT, AND APPROXIMATE SHORELINE SHOWN ON THIS MAP ARE BASED ON A 2006 SURVEY PERFORMED BY WH PACIFIC.

LEGEND

- GEOPROBE SAMPLING LOCATION, SLR 2012
- GEOPROBE SAMPLING LOCATION, SLR 2013
- GEOPROBE SAMPLE LOCATION, SLR 2009
- SURFACE SOIL SAMPLE LOCATION, SLR 2009
- NEAR SURFACE SOIL SAMPLE LOCATION, SLR 2009
- EXISTING MONITORING WELL

SLR

0 40 80 120'

JELD-WEN SITE
300 WEST MARINE VIEW DRIVE
EVERETT, WASHINGTON

Report: SUMMARY REPORT FOR ADDITIONAL UPLAND ASSESSMENT

Drawing: SAMPLE LOCATIONS

Date: June 24, 2013	Scale: AS SHOWN	Fig. No. 2
File Name: 108.00228.00026-5 (3)-3	Project No.: 108.00228.00026	

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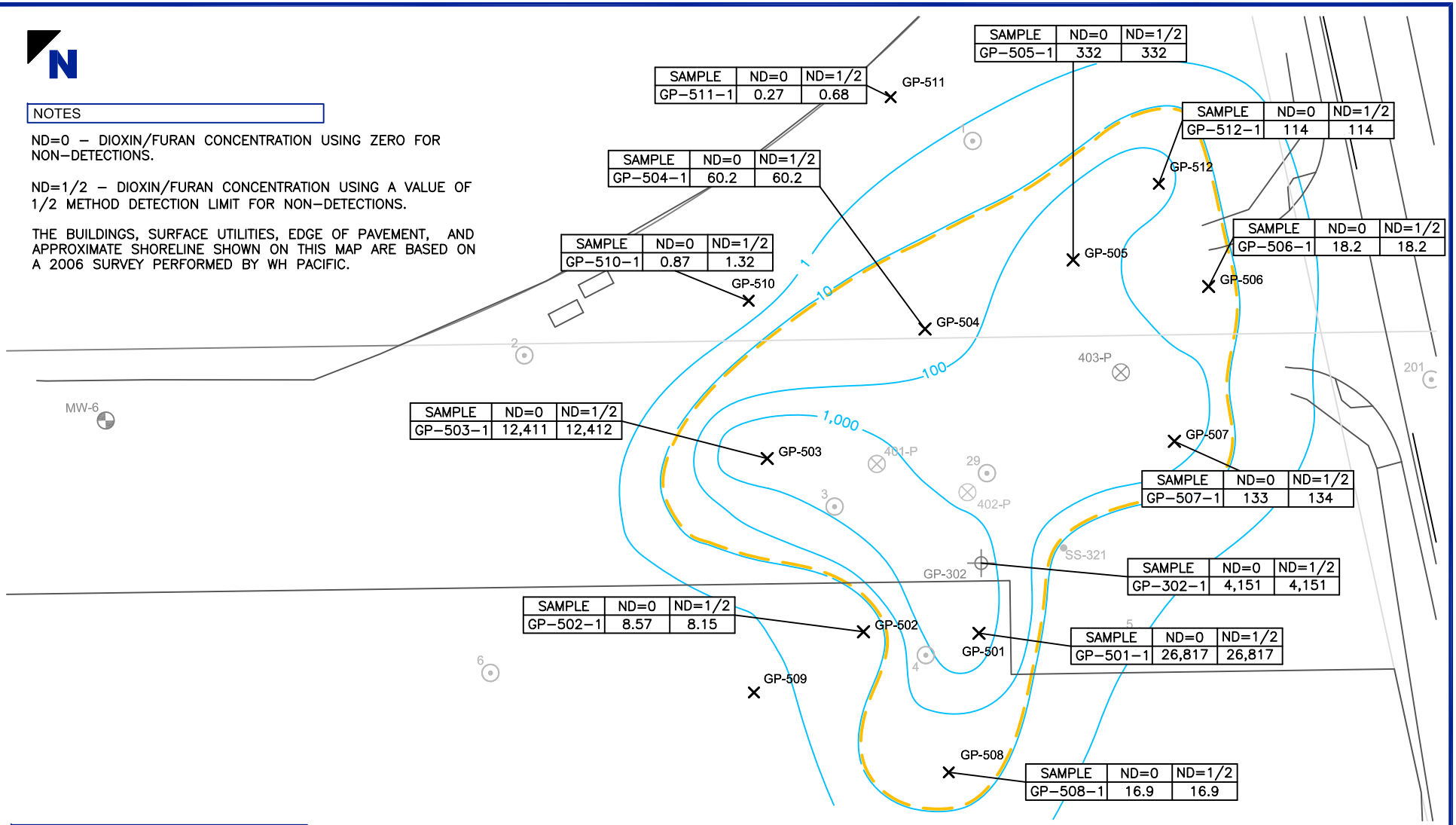

JELD-WEN SITE
300 WEST MARINE VIEW DRIVE
EVERETT, WASHINGTON

Report: SUMMARY REPORT FOR ADDITIONAL UPLAND ASSESSMENT

Drawing: SOIL DIOXIN/FURAN RESULTS AT 1 FOOT BELOW GROUND SURFACE

Date: June 24, 2013	Scale: AS SHOWN	Fig. No. 3
File Name: 108.00228.00026-5 (3)-3	Project No.: 108.00228.00026	

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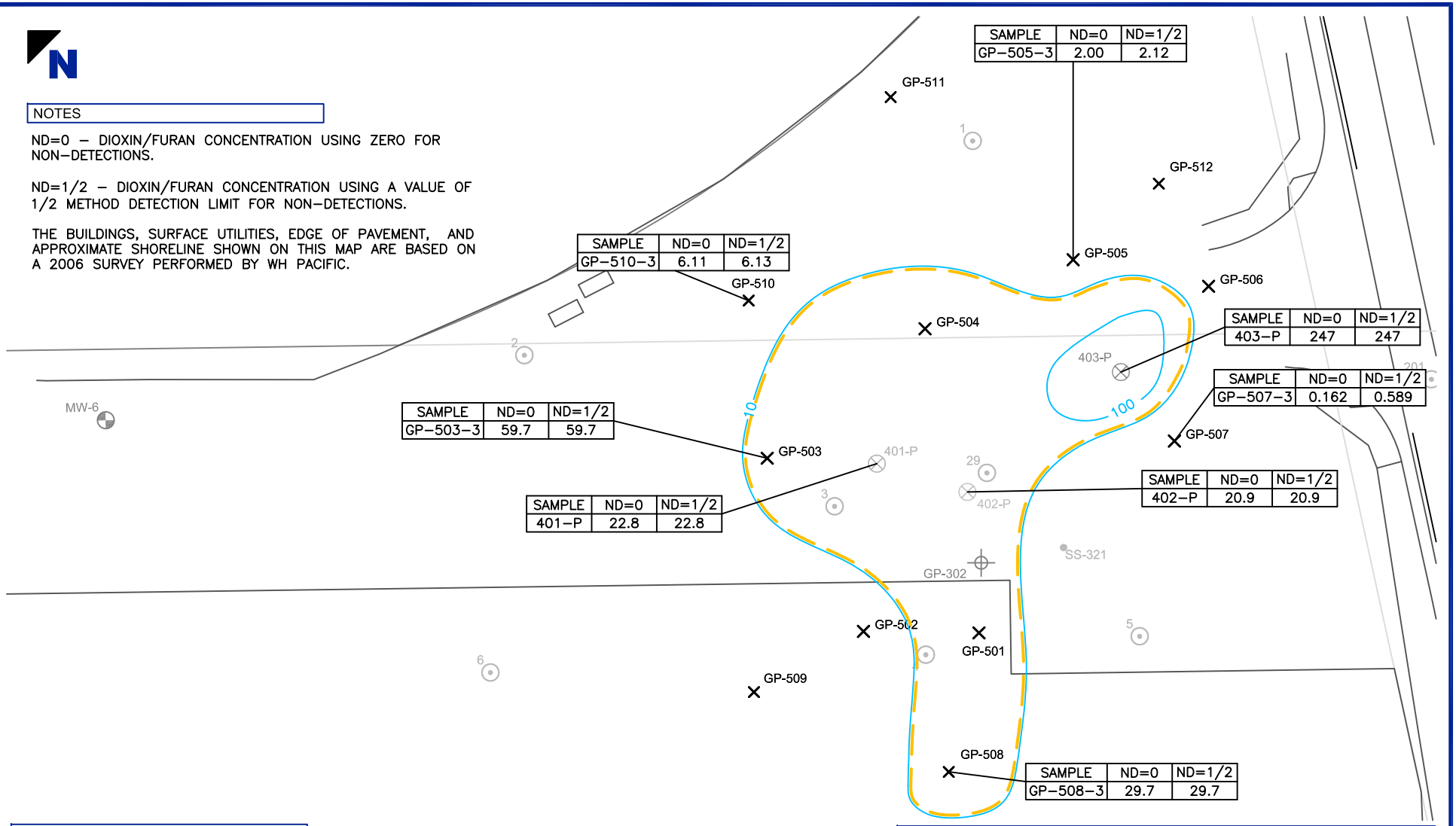

JELD-WEN SITE
300 WEST MARINE VIEW DRIVE
EVERETT, WASHINGTON

Report: SUMMARY REPORT FOR ADDITIONAL UPLAND ASSESSMENT

Drawing: SOIL DIOXIN/FURAN RESULTS AT 3 FEET BELOW GROUND SURFACE

Date: June 24, 2013	Scale: AS SHOWN	Fig. No. 4
File Name: 108.00228.00026-5 (3)-3	Project No.: 108.00228.00026	

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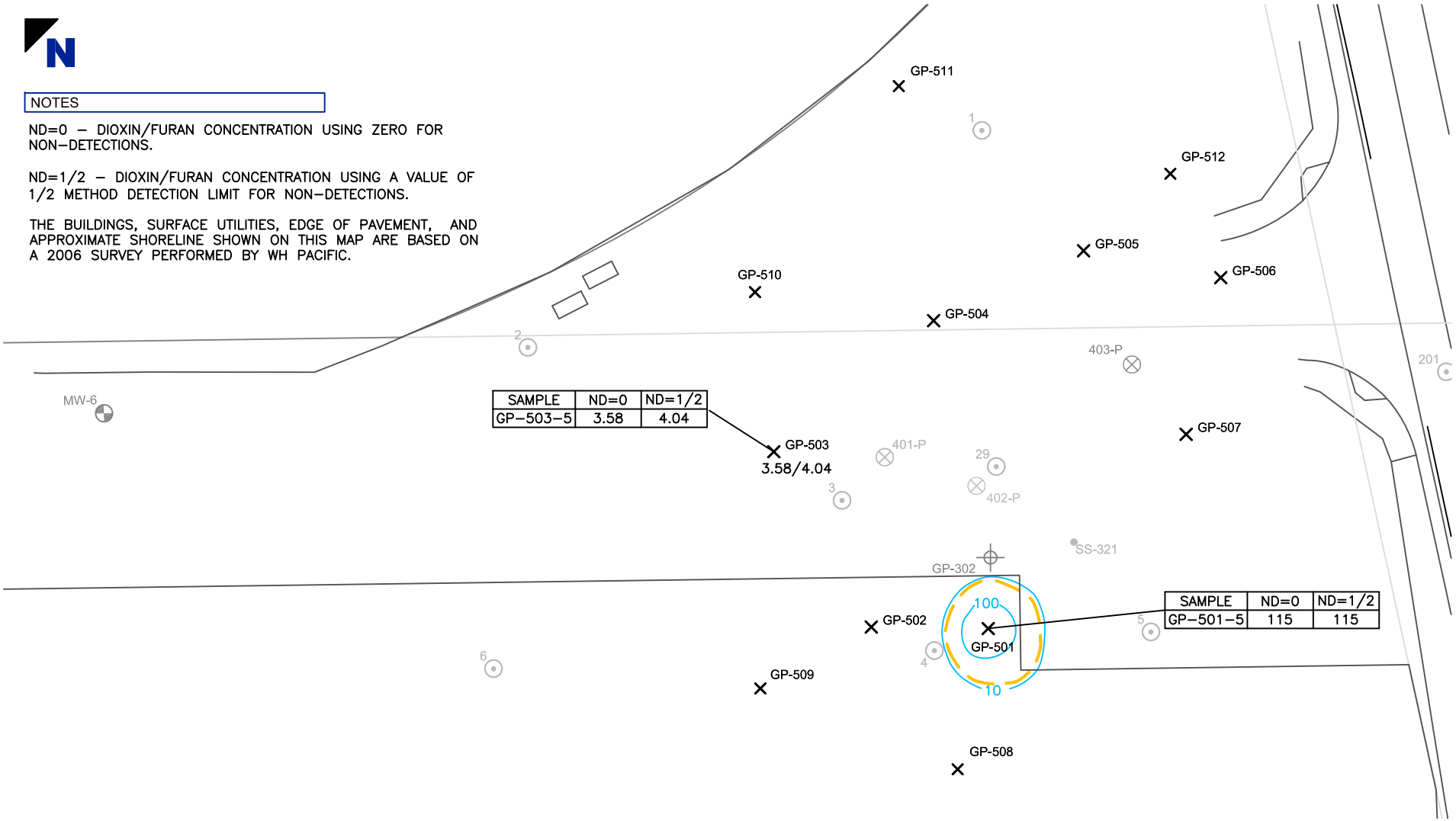

NOTES

ND=0 – DIOXIN/FURAN CONCENTRATION USING ZERO FOR NON-DETECTIONS.

ND=1/2 – DIOXIN/FURAN CONCENTRATION USING A VALUE OF 1/2 METHOD DETECTION LIMIT FOR NON-DETECTIONS.

THE BUILDINGS, SURFACE UTILITIES, EDGE OF PAVEMENT, AND APPROXIMATE SHORELINE SHOWN ON THIS MAP ARE BASED ON A 2006 SURVEY PERFORMED BY WH PACIFIC.

LEGEND

- GEOPROBE SAMPLE LOCATION, SLR 2012
- GEOPROBE SAMPLE LOCATION, SLR 2009
- SURFACE SOIL SAMPLE LOCATION, SLR 2009
- NEAR SURFACE SOIL SAMPLE LOCATION, SLR 2009
- EXISTING MONITORING WELL
- GEOPROBE SAMPLE LOCATION, SLR 2013
- APPROXIMATE EXTENT OF DIOXIN/FURAN CONCENTRATIONS EXCEEDING PCL OF 11 pg/g
- 16.9 DIOXIN/FURAN CONCENTRATIONS IN pg/g
- CONCENTRATION ISOCONTOUR LINE (INFERRED) USING DL=0

0 40 80 120'

SLR

JELD-WEN SITE
300 WEST MARINE VIEW DRIVE
EVERETT, WASHINGTON

Report: SUMMARY REPORT FOR ADDITIONAL UPLAND ASSESSMENT

Drawing: SOIL DIOXIN/FURAN RESULTS AT 5 FEET BELOW GROUND SURFACE

Date: June 24, 2013	Scale: AS SHOWN	Fig. No. 5
File Name: 108.00228.00026-5 (3)-3	Project No.: 108.00228.00026	

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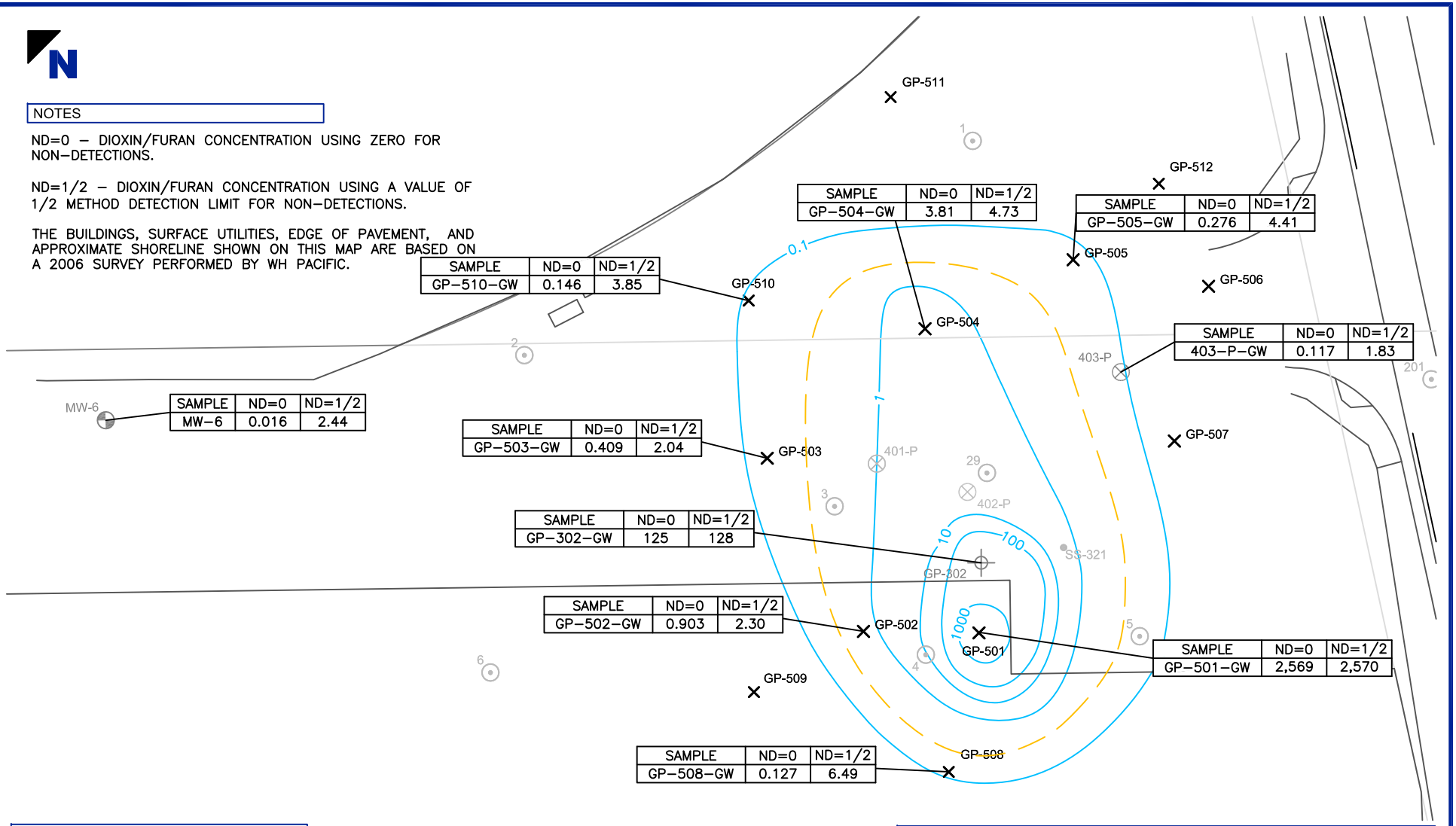

JELD-WEN SITE
300 WEST MARINE VIEW DRIVE
EVERETT, WASHINGTON

Report: SUMMARY REPORT FOR ADDITIONAL UPLAND ASSESSMENT

Drawing: GROUNDWATER DIOXIN/FURAN RESULTS

Date: June 24, 2013	Scale: AS SHOWN	Fig. No. 6
File Name: 108.00228.00026-5 (3)-3	Project No.: 108.00228.00026	

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TABLES

Table 1
Soil Analytical Summary Table
Dioxins and Furans
JELD-WEN Nord Door
Everett, WA

Sample Name	Screening Level Values	GP-302-1					401-P					402-P					403-P					GP-503-1				
Sampling Date		5/20/2009					5/17/2012					5/17/2012					5/17/2012					3/13/2013				
Parameter	Selected PCL [A]	Value	Qual	TEF	TEQ(DL) = 0	TEQ(DL) = .5	Value	Qual	TEF [A]	TEQ [B] (DL) = 0 [C]	TEQ(DL) = 0.5 [D]	Value	Qual	TEF	TEQ(DL) = 0	TEQ(DL) = .5	Value	Qual	TEF	TEQ(DL) = 0	TEQ(DL) = .5	Value	Qual	TEF [A]	TEQ [B] (DL) = 0 [C]	TEQ(DL) = 0.5 [D]
DIOXINS AND FURANS [B] (pg/g)																										
2,3,7,8-Tetra CDD [C]	--	**18.4**		1.00	18.4	18.4	**0.228**		1.00	0.228	0.228	**2.82**		1.00	2.82	2.82	**1.61**		1.00	1.61	1.61	**12.2**		1.00	12.2	12.2
1,2,3,7,8-Penta CDD	--	**315**		1.00	315	315	**1.15**		1.00	1.15	1.15	**7.36**		1.00	7.36	7.36	**13.6**		1.00	13.6	13.6	**190**		1.00	190	190
1,2,3,4,7,8-Hexa CDD	--	**1,110**		0.100	111	111	**2.48**		0.100	0.248	0.248	**7.96**		0.100	0.796	0.796	**57.1**		0.100	5.71	5.71	**931**		0.100	93.1	93.1
1,2,3,6,7,8-Hexa CDD	--	**5,880**		0.100	588	588	**34.5**		0.100	3.45	3.45	**18.8**		0.100	1.88	1.88	**377**		0.100	37.7	37.7	**20,500**	E	0.100	2050	2050
1,2,3,7,8,9-Hexa CDD	--	**2,200**		0.100	220	220	**7.5**		0.100	0.75	0.75	**12.8**		0.100	1.28	1.28	**87.7**		0.100	8.77	8.77	**3,060**		0.100	306	306
1,2,3,4,6,7,8-Hepta CDD	--	**156,000**	E	0.0100	1560	1560	**792**		0.0100	7.92	7.92	**198**		0.0100	1.98	1.98	**9,600**		0.0100	96	96	**624,000**	E	0.0100	6240	6240
Octa CDD	--	**1,080,000**	E	0.000300	324	324	**7,710**		0.000300	2.313	2.313	**1,580**		0.000300	0.474	0.474	**105,000**		0.000300	31.5	31.5	**4,550,000**	E	0.000300	1365	1365
Total Tetra CDD	--	**411**		--	--	--			--	--	--			--	--	--			--	--	--	**107**		--	--	--
Total Penta CDD	--	**2,050**		--	--	--			--	--	--			--	--	--			--	--	--	**874**		--	--	--
Total Hexa CDD	--	**26,000**		--	--	--			--	--	--			--	--	--			--	--	--	**57,500**		--	--	--
Total Hepta CDD	--	**237,000**	F	--	--	--			--	--	--			--	--	--			--	--	--	**954,000**		--	--	--
2,3,7,8-Tetra CDF [D]	--	**41.2**		0.100	4.12	4.12	**0.707**		0.100	0.0707	0.0707	**5.47**		0.100	0.547	0.547	**3.37**		0.100	0.337	0.337	**20.2**		0.100	2.02	2.02
1,2,3,7,8-Penta CDF	--	**190**		0.0300	5.7	5.7	**2.57**		0.0300	0.0771	0.0771	**3.78**		0.0300	0.1134	0.1134	**10.2**		0.0300	0.306	0.306	**110**		0.0300	3.3	3.3
2,3,4,7,8-Penta CDF	--	**208**		0.300	62.4	62.4	**6.2**		0.300	1.86	1.86	**5.7**		0.300	1.71	1.71	**21.9**		0.300	6.57	6.57	**933**		0.300	279.9	279.9
1,2,3,4,7,8-Hexa CDF	--	**1,570**		0.100	157	157	**12.20**		0.100	1.22	1.22	**5.18**		0.100	0.518	0.518	**74.3**		0.100	7.43	7.43	**3,380**		0.100	338	338
1,2,3,6,7,8-Hexa CDF	--	**1,610**		0.100	161	161	**4.66**		0.100	0.466	0.466	**4.46**		0.100	0.446	0.446	**55.4**		0.100	5.54	5.54	**1,220**		0.100	122	122
2,3,4,6,7,8-Hexa CDF	--	**918**		0.100	91.8	91.8	**7.4**		0.100	0.74	0.74	**3.78**		0.100	0.378	0.378	**75.1**		0.100	7.51	7.51	**2,020**		0.100	202	202
1,2,3,7,8,9-Hexa CDF	--	**43.3**		0.100	4.33	4.33	**5.71**		0.100	0.571	0.571	**1.71**		0.100	0.171	0.171	< 1.43		0.100	0	0.0715	< 14.2		0.100	0	0.71
1,2,3,4,6,7,8-Hepta CDF	--	**42,000**	F	0.0100	420	420	**154**		0.0100	1.54	1.54	**38.3**		0.0100	0.383	0.383	**2,110**		0.0100	21.1	21.1	**98,500**	E	0.0100	985	985
1,2,3,4,7,8,9-Hepta CDF	--	**2,340**	D	0.0100	23.4	23.4	**8.88**		0.0100	0.0888	0.0888	**3.04**		0.0100	0.0304	0.0304	**129**		0.0100	1.29	1.29	**7,150**	E	0.0100	71.5	71.5
Octa CDF	--	**284,000**	E	0.000300	85.2	85.2	**435**		0.000300	0.13	0.1305	**133**		0.000300	0.0399	0.0399	**7,260**		0.000300	2.178	2.178	**503,000**	E	0.000300	150.90	150.9
Total Tetra CDF	--	**946**		--	--	--			--	--	--			--	--	--			--	--	--	**403**		--	--	--
Total Penta CDF	--	**9,100**		--	--	--			--	--	--			--	--	--			--	--	--	**4,920**		--	--	--
Total Hexa CDF	--	**30,600**		--	--	--			--	--	--			--	--	--			--	--	--	**68,900**		--	--	--
Total Hepta CDF	--	**133,000**	F	--	--	--			--	--	--			--	--	--			--	--	--	**288,000**		--	--	--
TOTAL TOXIC EQUIVALENCY [E]	**11**	--		--	**4,151**	**4,151**	--		--	**22.82**	**22.82**	--		--	**20.93**	**20.93**	--		--	**247.2**	**247.2**	--		--	**12,411**	**12,412**

Sample Name	Screening Level Values	GP-503-3					GP-503-5					GP-504-1					GP-505-1					GP-505-3				
Sampling Date		3/13/2013					3/13/2013					3/13/2013					3/13/2013					3/13/2013				
Parameter	Selected PCL [A]	Value	Qual	TEF [A]	TEQ [B] (DL) = 0 [C]	TEQ(DL) = 0.5 [D]	Value	Qual	TEF [A]	TEQ [B] (DL) = 0 [C]	TEQ(DL) = 0.5 [D]	Value	Qual	TEF	TEQ(DL) = 0	TEQ(DL) = .5	Value	Qual	TEF	TEQ(DL) = 0	TEQ(DL) = .5	Value	Qual	TEF	TEQ(DL) = 0	TEQ(DL) = .5
DIOXINS AND FURANS [B] (pg/g)																										
2,3,7,8-Tetra CDD [C]	--	**3.18**		1.00	3.18	3.18	< 0.319		1.00	0	0.1595	**0.611**		1.00	0.611	0.611	**1.93**		1.00	1.93	1.93	**0.351**	J	1.00	0.351	0.351
1,2,3,7,8-Penta CDD	--	**5.85**		1.00	5.85	5.85	< 0.384		1.00	0	0.192	**5.19**		1.00	5.19	5.19	**15.8**		1.00	15.8	15.8	**0.664**	J	1.00	0.664	0.664
1,2,3,4,7,8-Hexa CDD	--	**8.28**		0.100	0.828	0.828	< 0.485		0.100	0	0.02425	**49.5**		0.100	4.95	4.95	**62.3**		0.100	6.23	6.23	< 0.398		0.100	0	0.0199
1,2,3,6,7,8-Hexa CDD	--	**67.8**		0.100	6.78	6.78	**5.15**		0.100	0.515	0.515	**66**		0.100	6.6	6.6	**367**		0.100	36.7	36.7	**1.61**	J	0.100	0.161	0.161
1,2,3,7,8,9-Hexa CDD	--	**13.5**		0.100	1.35	1.35	**0.889**	EMPC J	0.100	0.0889	0.0889	**23.8**		0.100	2.38	2.38	**116**		0.100	11.6	11.6	< 0.415		0.100	0	0.02075
1,2,3,4,6,7,8-Hepta CDD	--	**1,970**		0.0100	19.7	19.7	**183**		0.0100	1.83	1.83	**2,460**		0.0100	24.6	24.6	**13,400**	E	0.0100	134	134	**46.4**		0.0100	0.464	0.464
Octa CDD	--	**22,600**	E	0.000300	6.78	6.78	**2,240**		0.000300	0.672	0.672	**27,100**	E	0.000300	8.13	8.13	**199,000**	E	0.000300	59.7	59.7	**542**		0.000300	0.1626	0.1626
Total Tetra CDD	--	**236**		--	--	--	< 0.319		--	--	--	**42.2**		--	--	--	**34.2**		--	--	--	**12.5**		--	--	--
Total Penta CDD	--	**193**		--	--	--	< 0.384		--	--	--	**352**		--	--	--	**122**		--	--	--	**20.6**		--	--	--
Total Hexa CDD	--	**384**		--	--	--	**14.2**		--	--	--	**490**		--	--	--	**1450**		--	--	--	**24.6**		--	--	--
Total Hepta CDD	--	**3,180**		--	--	--	**308**		--	--	--	**3,880**		--	--	--	**21,300**		--	--	--	**76.3**		--	--	--
2,3,7,8-Tetra CDF [D]	--	**21.9**		0.100	2.19	2.19	< 0.258		0.100	0	0.0129	**0.546**		0.100	0.0546	0.0546	**3.57**		0.100	0.357	0.357	**0.652**		0.100	0.0652	0.0652
1,2,3,7,8-Penta CDF	--	**8.71**		0.0300	0.2613	0.2613	< 0.267		0.0300	0	0.004005	**2.33**	J	0.0300	0.0699	0.0699	**11.2**		0.0300	0.336	0.336	< 0.326		0.0300	0	0.00489
2,3,4,7,8-Penta CDF	--	**16.5**		0.300	4.95	4.95	< 0.25		0.300	0	0.0375	**3.61**		0.300	1.083	1.083	**26.2**		0.300	7.860	7.86	< 0.309		0.300	0.000	0.04635
1,2,3,4,7,8-Hexa CDF	--	**14**		0.100	1.4	1.4	**0.811**	EMPC J	0.100	0.0811	0.0811	**10.7**		0.100	1.07	1.07	**99.4**		0.100	9.94	9.94	**0.262**	EMPC J	0.100	0.0262	0.0262
1,2,3,6,7,8-Hexa CDF	--	**8.13**		0.100	0.813	0.813	< 0.258		0.100	0	0.0129	**10.5**		0.100	1.05	1.05	**87.6**		0.100	8.76	8.76	**0.232**	EMPC J	0.100	0.0232	0.0232
2,3,4,6,7,8-Hexa CDF	--	**11.9**		0.100	1.19	1.19	**0.443**	EMPC J	0.100	0.0443	0.0443	**13.3**		0.100	1.33	1.33	**128**		0.100	12.8	12.8	< 0.249		0.100	0	0.01245
1,2,3,7,8,9-Hexa CDF	--	**2.74**	J	0.100	0.274	0.274	< 0.317		0.100	0	0.01585	< 1.06		0.100	0	0.053	**12.6**		0.100	1.26	1.26	< 0.288		0.100	0	0.0144
1,2,3,4,6,7,8-Hepta CDF	--	**340**		0.0100	3.4	3.4	**28.2**		0.0100	0.282	0.282	**269**		0.0100	2.69	2.69	**2,100**		0.0100	21	21	**6.88**		0.0100	0.0688	0.0688
1,2,3,4,7,8,9-Hepta CDF	--	**22.9**		0.0100	0.229	0.229	**2.4**	J	0.0100	0.024	0.024	**18.2**		0.0100	0.182	0.182	**186**		0.0100	1.86	1.86	**0.495**	EMPC J	0.0100	0.00495	0.00495
Octa CDF	--	**1,680**		0.000300	0.50	0.504	**158**		0.000300	0.05	0.05	**602**		0.000300	0.1806	0.1806	**5,890**		0.000300	1.767	1.767	**38.4**		0.000300	0.01152	0.01152
Total Tetra CDF	--	**371**		--	--	--	**0.29**		--	--	--	**13.5**		--	--	--	**59.9**		--	--	--	**6.21**		--	--	--
Total Penta CDF	--	**163**		--	--	--	**0.518**		--	--	--	**50.4**		--	--	--	**404**		--	--	--	**0.78**		--	--	--
Total Hexa CDF	--	**265**		--	--	--	**15.2**		--	--	--	**238**		--	--	--	**2,160**		--	--	--	**4.43**		--	--	--
Total Hepta CDF	--	**1,330**		--	--	--	**112**		--	--	--	**748**		--	--	--	**6,010**		--	--	--	**26.7**		--	--	--
TOTAL TOXIC EQUIVALENCY [E]	**11**	--		--	**59.68**	**59.68**	--		--	**3.58**	**4.04**	--		--	**60.17**	**60.22**	--		--	**331.9**	**331.9**	--		--	**2.00**	**2.12**

Notes:

Shading indicates detected concentration greater than Proposed Cleanup Level (PCL)

All units in picograms per gram (pg/g)

Value - Laboratory detected value in pg/g

TEF - Toxic Equivalency Factor from the WHO(2005): The 2005 World Health Organization, Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-like Compounds

TEQ - Toxic Equivalency Quotient is Laboratory Value * TEF

TEQ (DL) = 0 - TEQ with value of 0 given for detection limit

TEQ (DL) = 0.5 - TEQ with value of 1/2 detection limit

A - Soil PCL as provided in the Initial RI Investigation Data Summary Report, dated November 20, 2009

B - Dioxins and furans analyzed by EPA Method 1613B

C - CDD = Chloro Dibenzo-p-Dioxin

D - CDF = Chloro Dibenzo-p-Furan.

E - Total Toxic Equivalency = The sum of Toxic Equivalent Quotients for the congeners tested.

Laboratory Qualifiers

E - The reported concentration exceeds the calibration range (upper point of calibration curve)

EMPC - Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined io-abundance ratio is outside the allowed theoretical range), or where thise is a co-eluting interference

J - Indicates that the analyte has a concentration below the reporting limit (lowest point of calibration curve)

S - Indicates a split sample. The number that follows the "S" indicates the split factor

Table 1
Soil Analytical Summary Table
Dioxins and Furans
JELD-WEN Nord Door
Everett, WA

Sample Name	Screening Level Values	GP-506-1					GP-507-1					GP-507-3					GP-508-1					GP-508-3				
Sampling Date		3/13/2013					3/13/2013					3/13/2013					3/13/2013					3/13/2013				
Parameter	Selected PCL [A]	Value	Qual	TEF	TEQ(DL) = 0	TEQ(DL) = .5	Value	Qual	TEF	TEQ(DL) = 0	TEQ(DL) = .5	Value	Qual	TEF	TEQ(DL) = 0	TEQ(DL) = .5	Value	Qual	TEF	TEQ(DL) = 0	TEQ(DL) = .5	Value	Qual	TEF	TEQ(DL) = 0	TEQ(DL) = .5
DIOXINS AND FURANS [B] (pg/g)																										
2,3,7,8-Tetra CDD [C]	--	**0.252**	EMPC J	1.00	0.252	0.252	< 1.44		1.00	0	0.72	< 0.279		1.00	0	0.1395	**3.11**		1.00	3.11	3.11	**1.64**		1.00	1.64	1.64
1,2,3,7,8-Penta CDD	--	**1.66**	J	1.00	1.66	1.66	**9.62**		1.00	9.62	9.62	< 0.285		1.00	0	0.1425	**5.06**		1.00	5.06	5.06	**9.61**		1.00	9.61	9.61
1,2,3,4,7,8-Hexa CDD	--	**4.74**		0.100	0.474	0.474	**24.2**		0.100	2.42	2.42	< 0.331		0.100	0	0.01655	**4.25**		0.100	0.425	0.425	**10**		0.100	1	1
1,2,3,6,7,8-Hexa CDD	--	**22.4**		0.100	2.24	2.24	**196**		0.100	19.6	19.6	< 0.307		0.100	0	0.01535	**7.88**		0.100	0.788	0.788	**19.3**		0.100	1.93	1.93
1,2,3,7,8,9-Hexa CDD	--	**8.86**		0.100	0.886	0.886	**93**		0.100	9.3	9.3	< 0.333		0.100	0	0.01665	**5.72**		0.100	0.572	0.572	**12.8**		0.100	1.28	1.28
1,2,3,4,6,7,8-Hepta CDD	--	**669**		0.0100	6.69	6.69	**4,960**	E	0.0100	49.6	49.6	**11.4**		0.0100	0.114	0.114	**76.5**		0.0100	0.765	0.765	**74**		0.0100	0.74	0.74
Octa CDD	--	**8,040**		0.000300	2.412	2.412	**51,300**	E	0.000300	15.39	15.39	**99.4**		0.000300	0.02982	0.02982	**296**		0.000300	0.0888	0.0888	**88.6**		0.000300	0.02658	0.02658
Total Tetra CDD	--	**9.82**		--	--	--	**27.1**		--	--	--	< 0.279		--	--	--	**209**		--	--	--	**255**		--	--	--
Total Penta CDD	--	**17.7**		--	--	--	**83.5**		--	--	--	< 0.285		--	--	--	**193**		--	--	--	**301**		--	--	--
Total Hexa CDD	--	**151**		--	--	--	**1,260**		--	--	--	**2.33**		--	--	--	**196**		--	--	--	**291**		--	--	--
Total Hepta CDD	--	**1,470**		--	--	--	**12,700**		--	--	--	**32.8**		--	--	--	**143**		--	--	--	**143**		--	--	--
2,3,7,8-Tetra CDF [D]	--	**0.937**		0.100	0.0937	0.0937	**4.82**		0.100	0.482	0.482	< 0.224		0.100	0	0.0112	**15.8**		0.100	1.58	1.58	**6.11**		0.100	0.611	0.611
1,2,3,7,8-Penta CDF	--	**1.23**	J	0.0300	0.0369	0.0369	**9.94**		0.0300	0.2982	0.2982	< 0.274		0.0300	0	0.00411	**6.29**		0.0300	0.1887	0.1887	**9.66**		0.0300	0.2898	0.2898
2,3,4,7,8-Penta CDF	--	**2.46**		0.300	0.738	0.738	**21.6**		0.300	6.480	6.48	< 0.276		0.300	0	0.0414	**9.84**		0.300	2.952	2.952	**12.1**		0.300	3.63	3.63
1,2,3,4,7,8-Hexa CDF	--	**5.5**		0.100	0.55	0.55	**47.4**		0.100	4.74	4.74	< 0.177		0.100	0	0.00885	**3.36**	EMPC	0.100	0.336	0.336	**35**	EMPC	0.100	3.5	3.5
1,2,3,6,7,8-Hexa CDF	--	**5.17**		0.100	0.517	0.517	**28.9**		0.100	2.89	2.89	< 0.168		0.100	0	0.0084	**3.67**		0.100	0.367	0.367	**24.2**		0.100	2.42	2.42
2,3,4,6,7,8-Hexa CDF	--	**6.51**		0.100	0.651	0.651	**40.2**		0.100	4.02	4.02	< 0.204		0.100	0	0.0102	**4.17**		0.100	0.417	0.417	**12.8**		0.100	1.28	1.28
1,2,3,7,8,9-Hexa CDF	--	< 0.556		0.100	0	0.0278	**5.04**		0.100	0.504	0.504	< 0.21		0.100	0	0.0105	< 0.476		0.100	0	0.0238	< 0.449		0.100	0	0.02245
1,2,3,4,6,7,8-Hepta CDF	--	**90.9**		0.0100	0.909	0.909	**683**		0.0100	6.83	6.83	**1.71**	J	0.0100	0.0171	0.0171	**17.2**		0.0100	0.172	0.172	**158**		0.0100	1.58	1.58
1,2,3,4,7,8,9-Hepta CDF	--	**6.44**		0.0100	0.0644	0.0644	**42.7**		0.0100	0.427	0.427	< 0.316		0.0100	0	0.00158	**1.38**	EMPC J	0.0100	0.0138	0.0138	**9.56**		0.0100	0.0956	0.0956
Octa CDF	--	**217**		0.000300	0.0651	0.0651	**1,510**		0.000300	0.453	0.453	**4.59**	J	0.000300	0.001377	0.001377	**33.1**		0.000300	0.00993	0.00993	**52**		0.000300	0.0156	0.0156
Total Tetra CDF	--	**13.6**		--	--	--	**57.9**		--	--	--	< 0.224		--	--	--	**268**		--	--	--	**127**		--	--	--
Total Penta CDF	--	**37.8**		--	--	--	**265**		--	--	--	< 0.275		--	--	--	**103**		--	--	--	**146**		--	--	--
Total Hexa CDF	--	**125**		--	--	--	**523**		--	--	--	**1.44**		--	--	--	**44**		--	--	--	**196**		--	--	--
Total Hepta CDF	--	**238**		--	--	--	**1,870**		--	--	--	**4.75**		--	--	--	**41.7**		--	--	--	**193**		--	--	--
TOTAL TOXIC EQUIVALENCY [E]	**11**	--		--	**18.24**	**18.27**	--		--	**133.1**	**133.8**	--		--	**0.162**	**0.589**	--		--	**16.85**	**16.87**	--		--	**29.65**	**29.67**

Sample Name	Screening Level Values	GP-510-1					GP-510-3					GP-511-1					GP-512-1				
Sampling Date		3/13/2013					3/13/2013					3/13/2013					3/14/2013				
Parameter	Selected PCL [A]	Value	Qual	TEF	TEQ(DL) = 0	TEQ(DL) = .5	Value	Qual	TEF	TEQ(DL) = 0	TEQ(DL) = .5	Value	Qual	TEF	TEQ(DL) = 0	TEQ(DL) = .5	Value	Qual	TEF	TEQ(DL) = 0	TEQ(DL) = .5
DIOXINS AND FURANS [B] (pg/g)																					
2,3,7,8-Tetra CDD [C]	--	< 0.247		1.00	0	0.1235	**1.09**		1.00	1.09	1.09	< 0.271		1.00	0	0.1355	**3.51**		1.00	3.51	3.51
1,2,3,7,8-Penta CDD	--	< 0.31		1.00	0	0.155	**2.2**	J	1.00	2.2	2.2	< 0.282		1.00	0	0.141	**23.8**		1.00	23.8	23.8
1,2,3,4,7,8-Hexa CDD	--	< 0.448		0.100	0	0.0224	**1.76**	J	0.100	0.176	0.176	< 0.363		0.100	0	0.01815	**49**		0.100	4.9	4.9
1,2,3,6,7,8-Hexa CDD	--	**1.55**	J	0.100	0.155	0.155	**3.19**	EMPC	0.100	0.319	0.319	**0.491**	J	0.100	0.0491	0.0491	**128**		0.100	12.8	12.8
1,2,3,7,8,9-Hexa CDD	--	< 0.452		0.100	0	0.0226	**2.02**	EMPC J	0.100	0.202	0.202	< 0.372		0.100	0	0.0186	**96.2**		0.100	9.62	9.62
1,2,3,4,6,7,8-Hepta CDD	--	**46.8**		0.0100	0.468	0.468	**44.8**		0.0100	0.448	0.448	**14.4**		0.0100	0.144	0.144	**3,110**		0.0100	31.1	31.1
Octa CDD	--	**467**		0.000300	0.1401	0.1401	**246**		0.000300	0.0738	0.0738	**190**		0.000300	0.057	0.057	**27,300**	E	0.000300	8.19	8.19
Total Tetra CDD	--	< 0.247		--	--	--	**85.5**		--	--	--	< 0.271		--	--	--	**31.8**		--	--	--
Total Penta CDD	--	< 0.31		--	--	--	**66.9**		--	--	--	< 0.282		--	--	--	**126**		--	--	--
Total Hexa CDD	--	**2.76**		--	--	--	**50.6**		--	--	--	**1.19**		--	--	--	**879**		--	--	--
Total Hepta CDD	--	**74.3**		--	--	--	**80.7**		--	--	--	**26.7**		--	--	--	**5,400**		--	--	--
2,3,7,8-Tetra CDF [D]	--	< 0.239		0.100	0	0.01195	**3.42**		0.100	0.342	0.342	< 0.235		0.100	0	0.01175	**3.11**		0.100	0.311	0.311
1,2,3,7,8-Penta CDF	--	< 0.292		0.0300	0	0.00438	**1.64**	J	0.0300	0.0492	0.0492	< 0.218		0.0300	0	0.00327	**4.76**		0.0300	0.1428	0.1428
2,3,4,7,8-Penta CDF	--	< 0.295		0.300	0	0.04425	**2.65**		0.300	0.795	0.795	< 0.202		0.300	0	0.0303	**10.7**		0.300	3.21	3.21
1,2,3,4,7,8-Hexa CDF	--	< 0.28		0.100	0	0.014	**1.15**	EMPC J	0.100	0.115	0.115	< 0.24		0.100	0	0.012	**23.5**		0.100	2.35	2.35
1,2,3,6,7,8-Hexa CDF	--	< 0.267		0.100	0	0.01335	**0.946**	EMPC J	0.100	0.0946	0.0946	< 0.236		0.100	0	0.0118	**27.8**		0.100	2.78	2.78
2,3,4,6,7,8-Hexa CDF	--	< 0.304		0.100	0	0.0152	**1.15**	EMPC J	0.100	0.115	0.115	< 0.244		0.100	0	0.0122	**40**		0.100	4.00	4.00
1,2,3,7,8,9-Hexa CDF	--	< 0.333		0.100	0	0.01665	< 0.333		0.100	0	0.01665	< 0.337		0.100	0	0.01685	< 1.56		0.100	0	0.078
1,2,3,4,6,7,8-Hepta CDF	--	**9.91**		0.0100	0.0991	0.0991	**8.01**		0.0100	0.0801	0.0801	**1.68**	J	0.0100	0.0168	0.0168	**641**		0.0100	6.41	6.41
1,2,3,4,7,8,9-Hepta CDF	--	< 0.293		0.0100	0	0.001465	**0.51**	EMPC J	0.0100	0.0051	0.0051	< 0.422		0.0100	0	0.00211	**43.3**		0.0100	0.433	0.433
Octa CDF	--	**35.4**		0.000300	0.01062	0.01062	**13.9**		0.000300	0.00417	0.00417	**5.04**		0.000300	0.001512	0.001512	**1,660**		0.000300	0.498	0.498
Total Tetra CDF	--	< 0.239		--	--	--	**61.9**		--	--	--	< 0.235		--	--	--	**72.2**		--	--	--
Total Penta CDF	--	< 0.345		--	--	--	**28.1**		--	--	--	< 0.21		--	--	--	**220**		--	--	--
Total Hexa CDF	--	**8.15**		--	--	--	**11.2**		--	--	--	**1.66**		--	--	--	**777**		--	--	--
Total Hepta CDF	--	**32.5**		--	--	--	**18.7**		--	--	--	**4.55**		--	--	--	**1,750**		--	--	--
TOTAL TOXIC EQUIVALENCY [E]	**11**	--		--	**0.873**	**1.32**	--		--	**6.11**	**6.13**	--		--	**0.268**	**0.682**	--		--	**114.1**	**114.1**

Notes:

Shading indicates detected concentration greater than Proposed Cleanup Level (PCL)

All units in picograms per gram (pg/g)

Value - Laboratory detected value in pg/g

TEF - Toxic Equivalency Factor from the WHO(2005): The 2005 World Health Organization, Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-like Compounds

TEQ - Toxic Equivalency Quotient is Laboratory Value * TEF

TEQ (DL) = 0 - TEQ with value of 0 given for detection limit

TEQ (DL) = 0.5 - TEQ with value of 1/2 detection limit

A - Soil PCL as provided in the Initial RI Investigation Data Summary Report, dated November 20, 2009

B - Dioxins and furans analyzed by EPA Method 1613B

C - CDD = Chloro Dibenzo-p-Dioxin

D - CDF = Chloro Dibenzo-p-Furan.

E - Total Toxic Equivalency = The sum of Toxic Equivalent Quotients for the congeners tested.

Laboratory Qualifiers

E - The reported concentration exceeds the calibration range (upper point of calibration curve)

EMPC - Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined io-abundance ratio is outside the allowed theoretical range), or where thise is a co-eluting interference

J - Indicates that the analyte has a concentration below the reporting limit (lowest point of calibration curve)

S - Indicates a split sample. The number that follows the "S" indicates the split factor

Table 2
Groundwater Analytical Summary Table
Dioxins and Furans
JELD-WEN Nord Door
Everett, WA

Sample Name	Proposed Cleanup Level [A] (pg/L)	GP-302-GW					403-P-GW					GP-501-GW					GP-502-GW					GP-503-GW				
Sampling Date		5/20/2009					5/17/2009					3/14/2013					3/14/2013					3/13/2013				
Parameter		Value	Qual	TEF	TEQ (DL) = 0	TEQ (DL) = 0.5	Value	Qual	TEF	TEQ (DL) = 0	TEQ (DL) = 0.5	Value	Qual	TEF	TEQ (DL) = 0	TEQ (DL) = 0.5	Value	Qual	TEF	TEQ (DL) = 0	TEQ (DL) = 0.5	Value	Qual	TEF	TEQ (DL) = 0	TEQ (DL) = 0.5
DIOXINS AND FURANS [B] (pg/L)																										
2,3,7,8-Tetra CDD [C]	--	**2.51**		1.00	2.51	2.51	< 1.85		1.00	0	0.925	**1.66**	J	1.00	1.66	1.66	< 0.729		1.00	0	0.3645	< 0.991		1.00	0	0.4955
1,2,3,7,8-Penta CDD	--	**13.2**		1.00	13.2	13.2	< 0.765		1.00	0	0.3825	**11.7**	J	1.00	11.7	11.7	< 1.01		1.00	0	0.505	< 1.22		1.00	0	0.61
1,2,3,4,7,8-Hexa CDD	--	**25**		0.100	2.5	2.5	< 1.04		0.100	0	0.052	**41.7**		0.100	4.17	4.17	< 1.26		0.100	0	0.063	< 1.01		0.100	0	0.0505
1,2,3,6,7,8-Hexa CDD	--	**147**		0.100	14.7	14.7	< 1.02		0.100	0	0.051	**3,990**		0.100	399	399	< 1.39		0.100	0	0.0695	< 1.08		0.100	0	0.054
1,2,3,7,8,9-Hexa CDD	--	**53**		0.100	5.3	5.3	< 1.08		0.100	0	0.054	**237**		0.100	23.7	23.7	< 1.24		0.100	0	0.062	< 1.12		0.100	0	0.056
1,2,3,4,6,7,8-Hepta CDD	--	**4,630**		0.0100	46.3	46.3	**7.08**	J	0.0100	0.0708	0.0708	**82,100**	E	0.0100	821	821	**48.7**		0.0100	0.487	0.487	**27**		0.0100	0.27	0.27
Octa CDD	--	**50,300**	D	0.000300	15.1	15.1	**63.4**	J	0.000300	0.01902	0.01902	**742,000**	E	0.000300	222.6	222.6	**1,110**		0.000300	0.333	0.333	**294**		0.000300	0.0882	0.0882
Total Tetra CDD	--	**24.9**		--	--	--	**7.24**	J	--	--	--	**53.6**		--	--	--	< 0.736		--	--	--	< 0.991		--	--	--
Total Penta CDD	--	**82**		--	--	--	**5.42**	J	--	--	--	**311**		--	--	--	< 1.01		--	--	--	< 1.22		--	--	--
Total Hexa CDD	--	**684**		--	--	--	**8.47**	J	--	--	--	**10,800**		--	--	--	**8.82**		--	--	--	< 1.07		--	--	--
Total Hepta CDD	--	**7,910**		--	--	--	**17.2**	J	--	--	--	**135,000**		--	--	--	**105**		--	--	--	**45.1**		--	--	--
2,3,7,8-Tetra CDF [D]	--	**4.05**		0.100	0.405	0.405	< 0.744		0.100	0	0.0372	**213**		0.100	21.3	21.3	< 0.662		0.100	0	0.0331	< 0.836		0.100	0	0.0418
1,2,3,7,8-Penta CDF	--	**12.6**		0.0300	0.378	0.378	< 0.446		0.0300	0	0.00669	**628**		0.0300	18.84	18.84	< 0.661		0.0300	0	0.009915	< 0.879		0.0300	0	0.013185
2,3,4,7,8-Penta CDF	--	**15.1**		0.300	4.53	4.53	< 0.416		0.300	0	0.0624	**1,730**		0.300	519	519	< 0.703		0.300	0	0.10545	< 0.857		0.300	0	0.12855
1,2,3,4,7,8-Hexa CDF	--	**38.2**		0.100	3.82	3.82	< 0.63		0.100	0	0.03145	**2330**		0.100	233	233	< 0.876		0.100	0	0.0438	< 0.813		0.100	0	0.04065
1,2,3,6,7,8-Hexa CDF	--	< 58.4	**F**	0.100	0	2.92	< 0.6		0.100	0	0.03	**562**		0.100	56.2	56.2	< 0.853		0.100	0	0.04265	< 0.795		0.100	0	0.03975
2,3,4,6,7,8-Hexa CDF	--	**27.7**		0.100	2.77	2.77	< 0.621		0.100	0	0.03105	**842**		0.100	84.2	84.2	< 0.89		0.100	0	0.0445	< 0.883		0.100	0	0.04415
1,2,3,7,8,9-Hexa CDF	--	**11.7**		0.100	1.17	1.17	< 0.949		0.100	0	0.04745	< 11.6		0.100	0	0.58	< 1.03		0.100	0	0.0515	< 0.972		0.100	0	0.0486
1,2,3,4,6,7,8-Hepta CDF	--	**1,060**		0.0100	10.6	10.6	**2.47**	J	0.0100	0.0247	0.0247	**13,600**		0.0100	136	136	**7.17**	J	0.0100	0.0717	0.0717	**4.48**	EMPC J	0.0100	0.0448	0.0448
1,2,3,4,7,8,9-Hepta CDF	--	**68.1**		0.0100	0.681	0.681	< 0.945		0.0100	0	0.004725	**849**		0.0100	8.49	8.49	< 0.852		0.0100	0	0.00426	< 0.913		0.0100	0	0.004565
Octa CDF	--	**3,250**		0.000300	0.975	0.975	**7.79**	J	0.000300	0.002337	0.002337	**28,500**		0.000300	8.55	8.55	**36.9**	J	0.000300	0.01107	0.01107	**21.6**	J	0.000300	0.00648	0.00648
Total Tetra CDF	--	**28**		--	--	--	< 0.744		--	--	--	**876**		--	--	--	< 0.662		--	--	--	< 0.836		--	--	--
Total Penta CDF	--	**167**		--	--	--	< 0.446		--	--	--	**10,900**		--	--	--	**2.73**		--	--	--	< 0.868		--	--	--
Total Hexa CDF	--	**1,040**		--	--	--	< 0.949		--	--	--	**39,100**		--	--	--	**11**		--	--	--	**2.57**		--	--	--
Total Hepta CDF	--	**3,440**		--	--	--	**7.42**		--	--	--	**52,300**		--	--	--	**33.7**		--	--	--	**12.3**		--	--	--
TOTAL TOXIC EQUIVALENCY [E]	0.010	--		--	**124.9**	**127.9**	--		--	**0.117**	**1.83**	--		--	**2,569**	**2,570**	--		--	**0.903**	**2.30**	--		--	**0.409**	**2.04**

Sample Name	Preliminary Cleanup Level [A] (pg/L)	GP-504-GW					GP-505-GW					GP-508-GW					GP-510-GW				
Sampling Date		3/13/2013					3/13/2013					3/13/2013					3/13/2013				
Parameter		Value	Qual	TEF	TEQ (DL) = 0	TEQ (DL) = 0.5	Value	Qual	TEF	TEQ (DL) = 0	TEQ (DL) = 0.5	Value	Qual	TEF	TEQ (DL) = 0	TEQ (DL) = 0.5	Value	Qual	TEF	TEQ (DL) = 0	TEQ (DL) = 0.5
DIOXINS AND FURANS [B] (pg/L)																					
2,3,7,8-Tetra CDD [C]	--	< 0.703		1.00	0	0.3515	< 2.43		1.00	0	1.215	< 4.31		1.00	0	2.155	< 1.98		1.00	0	0.99
1,2,3,7,8-Penta CDD	--	< 0.696		1.00	0	0.348	< 3.22		1.00	0	1.61	< 4.22		1.00	0	2.11	< 3		1.00	0	1.5
1,2,3,4,7,8-Hexa CDD	--	**0.758**	EMPC J	0.100	0.0758	0.0758	< 3.11		0.100	0	0.1555	< 5.73		0.100	0	0.2865	< 3.08		0.100	0	0.154
1,2,3,6,7,8-Hexa CDD	--	**4.4**	J	0.100	0.44	0.44	< 3.28		0.100	0	0.164	< 6.1		0.100	0	0.305	< 3.18		0.100	0	0.159
1,2,3,7,8,9-Hexa CDD	--	**1.4**	EMPC J	0.100	0.14	0.14	< 3.12		0.100	0	0.156	< 5.55		0.100	0	0.2775	< 3.18		0.100	0	0.159
1,2,3,4,6,7,8-Hepta CDD	--	**219**		0.0100	2.19	2.19	**20.8**	J	0.0100	0.208	0.208	**9.14**	J	0.0100	0.0914	0.0914	**8.83**	EMPC J	0.0100	0.0883	0.0883
Octa CDD	--	**2,000**		0.000300	0.6	0.6	**219**		0.000300	0.0657	0.0657	**119**		0.000300	0.0357	0.0357	**185**		0.000300	0.0555	0.0555
Total Tetra CDD	--	**3.29**		--	--	--	< 2.43		--	--	--	< 4.31		--	--	--	< 1.98		--	--	--
Total Penta CDD	--	**1.79**		--	--	--	< 3.22		--	--	--	< 4.22		--	--	--	< 3		--	--	--
Total Hexa CDD	--	**4.4**		--	--	--	< 3.17		--	--	--	< 5.77		--	--	--	< 3.14		--	--	--
Total Hepta CDD	--	**308**		--	--	--	**34.5**		--	--	--	**18.4**		--	--	--	**8.93**		--	--	--
2,3,7,8-Tetra CDF [D]	--	< 0.563		0.100	0	0.02815	< 2.07		0.100	0	0.1035	< 2.74		0.100	0	0.137	< 1.97		0.100	0	0.0985
1,2,3,7,8-Penta CDF	--	< 0.577		0.0300	0	0.008655	< 1.87		0.0300	0	0.02805	< 2.76		0.0300	0	0.0414	< 1.77		0.0300	0	0.02655
2,3,4,7,8-Penta CDF	--	< 0.575		0.300	0	0.08625	< 1.72		0.300	0	0.258	< 2.68		0.300	0	0.402	< 1.85		0.300	0	0.2775
1,2,3,4,7,8-Hexa CDF	--	**0.885**	J	0.100	0.0885	0.0885	< 2.07		0.100	0	0.1035	< 2.83		0.100	0	0.1415	< 1.61		0.100	0	0.0805
1,2,3,6,7,8-Hexa CDF	--	< 0.598		0.100	0	0.0299	< 2		0.100	0	0.1	< 2.69		0.100	0	0.1345	< 1.46		0.100	0	0.073
2,3,4,6,7,8-Hexa CDF	--	< 0.685		0.100	0	0.03425	< 2.23		0.100	0	0.1115	< 3.2		0.100	0	0.16	< 1.56		0.100	0	0.078
1,2,3,7,8,9-Hexa CDF	--	< 0.739		0.100	0	0.03695	< 2.11		0.100	0	0.1055	< 3.58		0.100	0	0.179	< 1.88		0.100	0	0.094
1,2,3,4,6,7,8-Hepta CDF	--	**19.7**	J	0.0100	0.197	0.197	< 2.63		0.0100	0	0.01315	< 3.05		0.0100	0	0.01525	< 1.57		0.0100	0	0.00785
1,2,3,4,7,8,9-Hepta CDF	--	**3.07**	J	0.0100	0.0307	0.0307	< 2.89		0.0100	0	0.01445	< 3.83		0.0100	0	0.01915	< 1.93		0.0100	0	0.00965
Octa CDF	--	**156**		0.000300	0.0468	0.0468	**8.69**	J	0.000300	0.002607	0.002607	< 6.17		0.000300	0	0.0009255	**7.7**	J	0.000300	0.00231	0.00231
Total Tetra CDF	--	< 0.563		--	--	--	< 2.07		--	--	--	< 2.74		--	--	--	< 1.97		--	--	--
Total Penta CDF	--	< 0.576		--	--	--	< 1.8		--	--	--	< 2.72		--	--	--	< 1.81		--	--	--
Total Hexa CDF	--	**14.4**		--	--	--	< 2.1		--	--	--	< 3.05		--	--	--	< 1.62		--	--	--
Total Hepta CDF	--	**105**		--	--	--	**4.34**		--	--	--	< 3.42		--	--	--	< 1.74		--	--	--
TOTAL TOXIC EQUIVALENCY [E]	0.010	--		--	**3.81**	**4.73**	--		--	**0.276**	**4.41**	--		--	**0.127**	**6.49**	--		--	**0.146**	**3.85**

Notes:

Shading indicates detected concentration greater than Proposed Cleanup Level (PCL)
All units in picograms per liter (pg/L)
Value - Laboratory detected value in pg/L
TEF - Toxic Equivalency Factor from the WHO(2005): The 2005 World Health Organization, Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-like Compounds
TEQ - Toxic Equivalency Quotient is Laboratory Value * TEF
TEQ (DL) = 0 - TEQ with value of 0 given for detection limit
TEQ (DL) = 0.5 - TEQ with value of 1/2 detection limit
A - Groundwater PCL as provided in the Initial RI Investigation Data Summary Report, dated November 20, 2009
B - Dioxins and furans analyzed by EPA Method 1613B
C - CDD = Chloro Dibenzo-p-Dioxin
D - CDF = Chloro Dibenzo-p-Furan.
E - Total Toxic Equivalency = The sum of Toxic Equivalent Quotients for the congeners tested.

Laboratory Qualifiers

E - The reported concentration exceeds the calibration range (upper point of calibration curve)
EMPC - Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined io-abundance ratio is outside the allowed theoretical range), or where thise is a co-eluting interference
J - Indicates that the analyte has a concentration below the reporting limit (lowest point of calibration curve)

Table 3
Soil Analytical Summary Table
SVOCs and PAHs
JELD-WEN Site, Former Nord Door
Everett, WA

Sample Name	Proposed Cleanup Level (PCL) [A]	GP-501-3FT	
Sample Date		3/14/2013	
Sample Depth		3	
Semivolatile Organic Compounds (SVOCs) [B] (mg/Kg)			
acenaphthylene	0.33	<8.9	
acetophenone	8,000	<90.	
atrazine	4.5	<90.	
benzaldehyde	8,000	<90.	J4
biphenyl;1,1'-	4,000	<90.	
bis(2-chloroethyl)ether	0.33	<90.	
bis(2-chloroethoxy) methane	0.33	<90.	
bis(2-chloroisopropyl)ether	3200	<90.	
bis(2-ethylhexyl) phthalate	2.64	**190**	
butylbenzylphthalate	369	<90.	
caprolactam	40,000	<90.	
carbazole	0.33	<90.	
chloro-3-methylphenol;4-	0.33	<90.	
chloroaniline;4-	0.33	<90.	
chlorophenol;2-	1.15	<90.	
chloronaphthalene;2-	6,400	<8.9	
chlorophenyl-phenyl ether; 4-	0.33	<90.	
dibenzofuran	160	<8.9	
dichlorobenzidine;3,3-	0.33	<90.	
dichlorophenol;2,4-	0.54	<90.	
diethyl phthalate	95.9	<90.	
Dimethyl phthalate	80,000	<90.	
dimethylphenol;2,4-	3.12	<90.	
di-n-butyl phthalate	72	<90.	
di-n-octylphthalate	1,600	<90.	
dinitro-2-methylphenol;4,6-	0.33	<90.	
dinitrophenol;2,4-	0.33	<90.	
dinitrotoluene;2,4-	0.33	<90.	
dinitrotoluene;2,6-	0.33	<90.	
hexachlorobenzene	0.33	<90.	
hexachlorobutadiene	0.48	<90.	
hexachlorocyclopentadiene	160.2	<90.	J
hexachloroethane	0.33	<90.	
isophorone	0.33	<90.	
Semivolatile Organic Compounds (SVOCs) [B] (mg/Kg)			
methylnaphthalene;2-	320	<8.9	
methylphenol;2-	2.33	<90.	
methylphenol;4-	400	<90.	
nitronaniline;2-	0.33	<90.	
nitronaniline;3-	0.33	<90.	J
nitronaniline;4-	0.33	<90.	J

Table 3
Soil Analytical Summary Table
SVOCs and PAHs
JELD-WEN Site, Former Nord Door
Everett, WA

Sample Name	Proposed Cleanup Level (PCL) [A]	GP-501-3FT	
Sample Date		3/14/2013	
Sample Depth		3	
nitrobenzene	0.33	<90.	
nitrophenol;2-	0.33	<90.	
nitrophenol;4-	0.33	<90.	
nitrosodiphenylamine; N-	0.33	<90.	
nitroso-di-n-propylamine;N-	0.33	<90.	
pentachlorophenol	0.33	**590**	
phenol	96.2	<90.	
tetrachlorobenzene;1,2,4,5-	24	<90.	
tetrachlorophenol;2,3,4,6-	2,400	**56**	J
trichlorophenol;2,4,5-	64.8	<90.	
trichlorophenol;2,4,6-	0.33	<90.	
Carcinogenic Polycyclic Aromatic Compounds [C] (cPAHs) (mg/Kg)			
benzo[a]anthracene	0.020	**1.2**	J
benzo[a]pyrene	0.054	<8.9	
benzo[b]fluoranthene	0.067	**2.8**	J
benzo[k]fluoranthene	0.067	<8.9	
chrysene	0.022	**1.6**	J
dibenzo[a,h]anthracene	0.101	<8.9	
indeno[1,2,3-cd]pyrene	0.196	<8.9	
Non-Carcinogenic PAHs [C] (PAHs) (mg/Kg)			
acenaphthene	65.3	<8.9	
anthracene	3,851	<8.9	
benzo[ghi]perylene [E]	1,132	<8.9	
fluoranthene	88.6	**3**	J
fluorene	173.8	<8.9	
naphthalene	5.0	**2.6**	J
phenanthrene [F]	65.30	**4**	J
pyrene	1,132	<8.9	

Notes:

Shading indicates detected concentration greater than PCL

Shading indicates PQL higher than selected PCL

All units in milligrams per kilogram (mg/Kg)

<0.040 indicates detected below the detection limit of 0.040 milligrams per kilogram (mg/Kg)

BOLD indicates detected above the laboratory detection limit

A - PCL as provided in the Initial RI Investigation Data Summary Report, Nov. 2009

B - SVOCs per EPA Method 8270C

C - cPAHs and PAHs analyzed per 8270 SIM (low level)

D - Laboratory did not hold sufficient volume for follow-up analysis

E - Toxicity information is not available for benzo(ghi)perylene. Pyrene has been used as surrogate

F- Toxicity information is not available for phenanthrene. Anthracene has been used as surrogate

Laboratory Qualifiers

J - (EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

J4 - The associated batch QC was outside the established quality control range for accuracy.

Table 4
Soil Summary Analytical Table
VOCs
JELD-WEN Site, Former Nord Door
Everett, WA

Sample Name	Proposed Cleanup Level (PCL) [A]	GP-501-3	
Sample Date		3/14/2013	
Sample Depth (feet)		3	
Volatile Organic Compounds [B] (VOCs) (mg/Kg)			
acetone	3.21	<0.34	
benzene	0.0068	<0.0067	
bromochloromethane	0.001	<0.0067	
bromodichloromethane	0.0014	<0.0067	
bromoform	0.029	<0.0067	J4
bromomethane	0.218	<0.034	
butanone;2- (MEK)	48,000	<0.067	
carbon disulfide	5.6	<0.0067	
carbon tetrachloride	0.002	<0.0067	
chlorobenzene	1.126	<0.0067	
chloroethane	350	<0.034	
chloroform	0.030	<0.034	
chloromethane	77	<0.017	
cyclohexane	0.001	<0.0067	
dibromochloromethane	0.002	<0.0067	
dibromo-3-chloropropane;1,2-	0.71	<0.034	
dibromoethane; 1,2-	0.005	<0.0067	
dichlorobenzene; 1,2-	4.93	<0.0067	
dichlorobenzene; 1,3-	0.001	<0.0067	
dichlorobenzene; 1,4-	0.081	<0.0067	
dichlorodifluoromethane	16,000	<0.034	
dichloroethane;1,1-	4.37	<0.0067	
dichloroethane;1,2-	0.002	<0.0067	
dichloroethylene;1,1-	0.001	<0.0067	
dichloroethylene;1,2-,cis	0.40	<0.0067	
dichloroethylene;1,2-,trans	54	<0.0067	
dichloropropane;1,2-	0.0026	<0.0067	
dichloropropene;1,3-,cis	0.001	<0.0067	
dichloropropene;1,3-,trans	0.001	<0.0067	
dioxane;1,4-	91	<0.67	
ethylbenzene	4.53	**0.0052**	J
hexanone-2	0.01	<0.067	
isopropylbenzene	8,000	<0.0067	
methyl tert-butyl ether	0.085	<0.0067	
methylene chloride	0.02	**0.0098**	J
methyl acetate	73,903	<0.13	
methylcyclohexane	0.001	<0.0067	
methyl-2-pentanone; 4-	6,400	<0.067	
styrene	0.034	<0.0067	
tetrachloroethane;1,1,2,2-	0.001	<0.0067	

Table 4
Soil Summary Analytical Table
VOCs
JELD-WEN Site, Former Nord Door
Everett, WA

Sample Name	Proposed Cleanup Level (PCL) [A]	GP-501-3	
Sample Date		3/14/2013	
Sample Depth (feet)		3	
tetrachloroethylene	0.004	<0.0067	
toluene	7	**0.04**	
trichlorobenzene;1,2,3-	0.001	<0.0067	
trichlorobenzene; 1,2,4-	1.33	<0.0067	
trichloroethane; 1,1,1-	2	<0.0067	
trichloroethane; 1,1,2-	0.0033	<0.0067	
trichloro-1,2,2-trifluoroethane; 1,1,2-	2,400,000	<0.0067	
trichloroethylene	0.010	<0.0067	
trichlorofluoromethane	24,000	<0.034	
vinyl chloride	0.001	<0.0067	
xylenes	9	**0.046**	

Notes:

Shading indicates detected concentration greater than PCL

Shading indicates PQL higher than selected PCL

All units in milligrams per kilogram (mg/kg)

<0.0012 indicates detected below the detection limit of 0.0012 milligrams per kilogram (mg/kg)

BOLD indicates detected above the laboratory detection limit

A - PCL as provided in the Initial RI Investigation Data Summary Report, Nov. 2009

B - VOCs per EPA Method 8260

Laboratory Qualifiers

J - (EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

J4 - The associated batch QC was outside the established quality control range for precision.

Table 5
Soil Analytical Summary Table
TPH
JELD-WEN Site, Former Nord Door
Everett, WA

Sample Name	Proposed Cleanup Level (PCL) [A]	GP-501-3	
Sample Date		5/14/2013	
Sample Depth		3	
Total Petroleum Hydrocarbons (TPH) [B]			
Gasoline Range Organics	100/30 [C]	**3**	
Diesel Range Organics	460	**1,300**	
Heavy Oil Range Organics	460	**1,700**	

Notes:

Shading indicates detected concentration greater than PCL

Shading indicates PQL higher than selected PCL

All units in milligrams per kilogram (mg/kg)

<0.0012 indicates detected below the detection limit of 0.0012 milligrams per kilogram (mg/kg)

BOLD indicates detected above the laboratory detection limit

A - PCL as provided in the Initial RI Investigation Data Summary Report, Nov. 2009

B - TPH per NWTPH-Gx and NWTPH-Dx methods

C - 100 mg/kg for gasoline mixtures without benzene and the total of ethyl benzene, toluene and xylene are less than 1% of the gasoline mixture; 30 mg/kg for all other mixtures

APPENDIX A

Soil Boring Logs

BORING NUMBER GP-501

SLR
1800 Blankenship Road, Suite 440
West Linn, OR 97068
(503) 723-4423

CLIENT JELD-WEN, INC. **PROJECT NAME** Former Nord Door

PROJECT NUMBER 108.00228.00048 **PROJECT LOCATION** Everett, Washington

DATE STARTED 3/14/13 **COMPLETED** 3/14/13 **DRILLING METHOD** Direct Push

DRILLING CONTRACTOR ESN-NW **GROUNDWATER ENCOUNTERED AT (feet):** 3.5

LOGGED BY C. Lee **CHECKED BY** C. Kramer

NOTES Inside factory building, small room near loading dock

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					CONCRETE	0
					1.0	
	GB	50	SP		Gravelly SAND, black, fine to medium-grained, few fines, gravel, damp, moderate chemical-like odor.	1.6
2.5		50			2.5	6.7
			SP		SAND, tan, fine to medium-grained, dry, somewhat cemented, moderate chemical-like odor.	
					3.0	
	GB	50	ML		SILT, brown, moist, moderate chemical-like odor	2.1
					▼	
		60			4.5	1,620
			SP		SAND, gray, fine to medium-grained, wet, strong chemical-like odor.	
5.0					5.0	
	GB	60			WOOD DEBRIS, bark chips, wood fibers, wet, strong chemical-like odor.	1,202
					5.7	
			OL		CLAY, brown, organic, few wood fibers, wet, strong chemical-like odor.	41.6
		60			7.0	
					Bottom of boring at 7.0 feet.	

Temporary Boring Abandoned with Bentonite

BASIC GEOPROBE TEMPLATE W/ RECOVERY NORD.GPJ GINT US.GDT 6/3/13

SLR
1800 Blankenship Road, Suite 440
West Linn, OR 97068
(503) 723-4423

BORING NUMBER GP-502

CLIENT JELD-WEN, INC.
PROJECT NAME Former Nord Door
PROJECT NUMBER 108.00228.00048
PROJECT LOCATION Everett, Washington
DATE STARTED 3/14/13 **COMPLETED** 3/14/13
DRILLING METHOD Direct Push
DRILLING CONTRACTOR ESN-NW
GROUNDWATER ENCOUNTERED AT (feet): 3.5
LOGGED BY C. Lee **CHECKED BY** C. Kramer
NOTES Inside small room, west corner of factory building

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					CONCRETE	
		80			0.5 SAND, brown, fine to medium-grained, moist, no odors or staining, at 1.5 feet becomes fine-grained	0
	GB	80	SP			0
2.5		80			2.5 SILT, brown, moist, no odors or staining	2.2
	GB	80	ML		3.5 ▽ WOOD DEBRIS, bark chips, wood fibers, wet, hydrogen sulfide odor	2.2
		80				2.5
5.0					5.0 SAND, gray, fine to medium-grained	
	GB	80	SP			2.1
		80			7.0	2.0
					Bottom of boring at 7.0 feet.	

Temporary Boring Abandoned with Bentonite

BASIC GEOPROBE TEMPLATE W/ RECOVERY NORD.GPJ GINT US.GDT 6/3/13

SLR
1800 Blankenship Road, Suite 440
West Linn, OR 97068
(503) 723-4423

BORING NUMBER GP-503

CLIENT JELD-WEN, INC.
PROJECT NAME Former Nord Door
PROJECT NUMBER 108.00228.00048
PROJECT LOCATION Everett, Washington
DATE STARTED 3/13/13 **COMPLETED** 3/13/13
DRILLING METHOD Direct Push
DRILLING CONTRACTOR ESN-NW
GROUNDWATER ENCOUNTERED AT (feet): 3.5
LOGGED BY C. Lee **CHECKED BY** C. Kramer
NOTES Adjacent to railroad tracks, driveway into plant

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					ASPHALT	
		100			0.5 Silty GRAVEL, brown to gray, medium to coarse-grained, little fines, damp, no odors or staining	
	GB	100	GP			
					2.0 Gravelly SAND, gray to dark gray, fine to medium-grained, some medium to coarse gravel, moist to wet, no odors or staining	
2.5		100				
	GB	100			3.6 ▼ at 3.5 feet: becomes wet, thin layer of white, friable material	
		100	SP			
5.0					5.1 at 5 feet: thin layer of bark chips	
	GB	100				
					6.1 at 6.0 feet: thin layer of plywood	
		100				
					7.0 Bottom of boring at 7.0 feet.	

Temporary Boring Abandoned with Bentonite

BASIC GEOPROBE TEMPLATE W/ RECOVERY NORD.GPJ GINT US.GDT 6/3/13

SLR
1800 Blankenship Road, Suite 440
West Linn, OR 97068
(503) 723-4423

BORING NUMBER GP-504

CLIENT JELD-WEN, INC.
PROJECT NAME Former Nord Door
PROJECT NUMBER 108.00228.00048
PROJECT LOCATION Everett, Washington
DATE STARTED 3/13/13 **COMPLETED** 3/13/13
DRILLING METHOD Direct Push
DRILLING CONTRACTOR ESN-NW
GROUNDWATER ENCOUNTERED AT (feet): 4
LOGGED BY C. Lee **CHECKED BY** C. Kramer
NOTES Near fire hydrant

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					ASPHALT	
		100			0.5	
			SP		GRAVELLY SAND, brown, fine to medium-grained, some fine to coarse gravel, damp, no odors or staining	
	GB	100			1.5	
			GP		GRAVEL, gray, medium to coarse, few fine to medium-grained sand, damp to moist, no odors or staining	
2.5		100				
	GB	100			3.5	
					WOOD WASTE, brown, bark and sawdust, moist to wet, water at 4 feet, no odors or staining	
		100			▼	
5.0					5.0	
			SM		SAND, gray, fine to coarse-grained, wet, no odor or staining	
	GB				5.5	
			CL		CLAY, gray, few wood waste. wet, no odor, no staining	
					7.0	
					Bottom of boring at 7.0 feet.	

Temporary Boring Abandoned with Bentonite

BASIC GEOPROBE TEMPLATE W/ RECOVERY NORD.GPJ GINT US.GDT 6/3/13

SLR
1800 Blankenship Road, Suite 440
West Linn, OR 97068
(503) 723-4423

BORING NUMBER GP-505

CLIENT JELD-WEN, INC.
PROJECT NAME Former Nord Door
PROJECT NUMBER 108.00228.00048
PROJECT LOCATION Everett, Washington
DATE STARTED 3/13/13 **COMPLETED** 3/13/13
DRILLING METHOD Direct Push
DRILLING CONTRACTOR ESN-NW
GROUNDWATER ENCOUNTERED AT (feet): 3.5
LOGGED BY C. Lee **CHECKED BY** C. Kramer
NOTES North side of driveway

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					ASPHALT	
		100			0.5	0
			GM		Silty GRAVEL, brown, fine to medium. little fines, damp to moist, no odors or staining. At 1.5 feet: pieces of wood (railroad ties), strong creosote-like odor	
	GB	100				0
2.5		100			3.0	0
	GB	100			SAND, gray, fine to medium-grained, moist to wet, no odors or staining. At 5.5 feet: thin layer of wood waste	0
		100				0
5.0			SP			
	GB	100				0
		100				0
					7.0	
					Bottom of boring at 7.0 feet.	

Temporary Boring Abandoned with Bentonite

BASIC GEOPROBE TEMPLATE W/ RECOVERY NORD.GPJ GINT US.GDT 6/3/13

SLR
1800 Blankenship Road, Suite 440
West Linn, OR 97068
(503) 723-4423

BORING NUMBER GP-506

CLIENT JELD-WEN, INC.
PROJECT NAME Former Nord Door
PROJECT NUMBER 108.00228.00048
PROJECT LOCATION Everett, Washington
DATE STARTED 3/13/13 **COMPLETED** 3/13/13
DRILLING METHOD Direct Push
DRILLING CONTRACTOR ESN-NW
GROUNDWATER ENCOUNTERED AT (feet): 3.5
LOGGED BY C. Lee **CHECKED BY** C. Kramer
NOTES Entrance driveway, outside gate

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					ASPHALT	
		100			0.5 GRAVEL, gray, medium to coarse, few fines, damp, no odors or staining	0
	GB	100	GP			0
2.5		100			2.5 SAND, gray, fine to medium-grained, moist to wet, no odors or staining. From 4.5-5.5 feet: trace fine gravel	0
	GB	100			▼	0
		100	SP			0
5.0	GB	100				0
		100			7.0	0
					Bottom of boring at 7.0 feet.	

Temporary Boring Abandoned with Bentonite

BASIC GEOPROBE TEMPLATE W/ RECOVERY NORD.GPJ GINT US.GDT 6/3/13

SLR
1800 Blankenship Road, Suite 440
West Linn, OR 97068
(503) 723-4423

BORING NUMBER GP-507

CLIENT JELD-WEN, INC.
PROJECT NAME Former Nord Door
PROJECT NUMBER 108.00228.00048
PROJECT LOCATION Everett, Washington
DATE STARTED 3/13/13 **COMPLETED** 3/13/13
DRILLING METHOD Direct Push
DRILLING CONTRACTOR ESN-NW
GROUNDWATER ENCOUNTERED AT (feet): 3.5
LOGGED BY C. Lee **CHECKED BY** C. Kramer
NOTES Loading dock area

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					ASPHALT	
		100			0.5 WOOD DEBRIS, brown to black, moist, strong creosote-like odor	0
	GB	100	GP		1.0 Sandy GRAVEL, dark gray to black, medium to coarse, some fine to coarse-grained sand, moist, strong creosote-like odor	0
2.5		100			2.5	0
	GB	100			SAND, gray, fine- to medium-grained, moist to wet, weak creosote-like odors. At 3.5 feet becomes wet	0
		100	SP			0
5.0	GB	100				0
		100			7.0	0
					Bottom of boring at 7.0 feet.	

Temporary Boring Abandoned with Bentonite

BASIC GEOPROBE TEMPLATE W/ RECOVERY NORD.GPJ GINT US.GDT 6/3/13

SLR
1800 Blankenship Road, Suite 440
West Linn, OR 97068
(503) 723-4423

BORING NUMBER GP-508

CLIENT JELD-WEN, INC. **PROJECT NAME** Former Nord Door

PROJECT NUMBER 108.00228.00048 **PROJECT LOCATION** Everett, Washington

DATE STARTED 3/13/13 **COMPLETED** 3/13/13 **DRILLING METHOD** Direct Push

DRILLING CONTRACTOR ESN-NW **GROUNDWATER ENCOUNTERED AT (feet):** 3.0

LOGGED BY C. Lee **CHECKED BY** C. Kramer

NOTES Inside building, outside first door on left near loading docks

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					CONCRETE	
					0.3	
		90	GP		Sandy GRAVEL, brown, fine to medium-grained, little fine-grained sand, dry, no odors or staining	0
					1.0	
	GB	90	SP		SAND, dark brown, fine-grained, moist, no odors or staining at 2.5 feet: becomes dark gray, wet	0
2.5		90				0
	GB	90				0
		100				0
5.0						
		100			5.5	0
					ORAGNICS, black, wet, no odors or staining	
					6.0	
		100	CL		CLAY, dark brownish gray, wet, no odors or staining	0
					7.0	
					Bottom of boring at 7.0 feet.	

Temporary Boring Abandoned with Bentonite

BASIC GEOPROBE TEMPLATE W/ RECOVERY NORD.GPJ GINT US.GDT 6/3/13

SLR
1800 Blankenship Road, Suite 440
West Linn, OR 97068
(503) 723-4423

BORING NUMBER GP-509

CLIENT JELD-WEN, INC.
PROJECT NAME Former Nord Door
PROJECT NUMBER 108.00228.00048
PROJECT LOCATION Everett, Washington
DATE STARTED 3/13/13 **COMPLETED** 3/13/13
DRILLING METHOD Direct Push
DRILLING CONTRACTOR ESN-NW
GROUNDWATER ENCOUNTERED AT (feet): 3.0
LOGGED BY C. Lee **CHECKED BY** C. Kramer
NOTES Inside building, outside second and third doors on left

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					CONCRETE	
					0.3	
		90	GP		GRAVEL, brown, fine, few fine-grained sand, damp, no odors or staining	0
					1.0	
	GB	90	SP		Gravelly SAND, brown, fine-grained, little fine gravel, damp, no odors or staining	0
					2.0	
2.5		90	SM		Silty SAND, black, fine-grained, some fines, moist, no odors or staining	0
					3.0 ▽	
	GB	90	SP		SAND, grayish brown, fine-grained, moist to wet, no odors or staining at 4.5 feet: silt lense, 0.2 feet thick	0
		100				0
5.0	GB	100				0
		100				0
					7.0	
					Bottom of boring at 7.0 feet.	

Temporary Boring Abandoned with Bentonite

BASIC GEOPROBE TEMPLATE W/ RECOVERY NORD.GPJ GINT US.GDT 6/3/13

SLR
1800 Blankenship Road, Suite 440
West Linn, OR 97068
(503) 723-4423

BORING NUMBER GP-510

CLIENT JELD-WEN, INC.
PROJECT NAME Former Nord Door
PROJECT NUMBER 108.00228.00048
PROJECT LOCATION Everett, Washington
DATE STARTED 3/13/13 **COMPLETED** 3/13/13
DRILLING METHOD Direct Push
DRILLING CONTRACTOR ESN-NW
GROUNDWATER ENCOUNTERED AT (feet): 3.5
LOGGED BY C. Lee **CHECKED BY** C. Kramer
NOTES Center of driveway into plant

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					ASPHALT	
		90			0.5 Gravelly SAND, light brown, fine-grained, some fine to coarse gravel, trace fines, damp to moist, slight oil-like odor, no staining	0
	GB	90	SP			0
2.5		90			3.0	0
	GB	90			SAND, dark gray, fine to medium-grained, few fine gravel, moist to wet, slight oil-like odor, no staining	0
		90				0
5.0	GB	90	SP			0
		90			7.0	0
					Bottom of boring at 7.0 feet.	

Temporary Boring Abandoned with Bentonite

BASIC GEOPROBE TEMPLATE W/ RECOVERY NORD.GPJ GINT US.GDT 6/3/13

BORING NUMBER GP-511

SLR
1800 Blankenship Road, Suite 440
West Linn, OR 97068
(503) 723-4423

CLIENT JELD-WEN, INC.
PROJECT NAME Former Nord Door
PROJECT NUMBER 108.00228.00048
PROJECT LOCATION Everett, Washington
DATE STARTED 3/13/13 **COMPLETED** 3/13/13
DRILLING METHOD Direct Push
DRILLING CONTRACTOR ESN-NW
GROUNDWATER ENCOUNTERED AT (feet): 4
LOGGED BY C. Lee **CHECKED BY** C. Kramer
NOTES North side of driveway near fence

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					ASPHALT	
		75			0.5 gravelly SAND, brown, fine-grained, little medium gravel, moist to wet, no odors or staining	0
	GB	75			at 4 feet: becomes wet	0
2.5		75	SP			0
	GB	75				0
		100			4.5 SAND, gray, fine to medium-grained, wet, no odors or staining	0
5.0	GB	100	SP			0
		100				0
					7.0 Bottom of boring at 7.0 feet.	

Temporary Boring Abandoned with Bentonite

BASIC GEOPROBE TEMPLATE W/ RECOVERY NORD.GPJ GINT US.GDT 6/3/13

SLR
1800 Blankenship Road, Suite 440
West Linn, OR 97068
(503) 723-4423

BORING NUMBER GP-512

CLIENT JELD-WEN, INC.
PROJECT NAME Former Nord Door
PROJECT NUMBER 108.00228.00048
PROJECT LOCATION Everett, Washington
DATE STARTED 3/14/13 **COMPLETED** 3/14/13
DRILLING METHOD Direct Push
DRILLING CONTRACTOR ESN-NW
GROUNDWATER ENCOUNTERED AT (feet): 3.5
LOGGED BY C. Lee **CHECKED BY** C. Kramer
NOTES In grass north of driveway, outside fence

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					SOD	
		100	ML		0.5 SILT, brown, few wood fibers and organics, moist, no odors or staining	0
	GB	100			1.5 GRAVEL, brown, coarse, few fine-grained sand, trace fines, moist, no odors or staining	0
2.5		100	GP			0
	GB	100			3.5 ▽ SAND, brown, fine- to medium-grained, wet, no odors or staining	0
		100	SP			0
5.0					5.0 WOOD DEBRIS	
	GB	100			5.5 SAND, gray, fine to medium-grained, wet, no odors or staining	0
		100	SP			0
					7.0 Bottom of boring at 7.0 feet.	

Temporary Boring Abandoned with Bentonite

BASIC GEOPROBE TEMPLATE W/ RECOVERY NORD.GPJ GINT US.GDT 6/3/13

APPENDIX B

Laboratory Analytical Reports

7 APRIL 2013

Chris Kramer
SLR International Corporation
1800 Blankenship Road, Suite 440
West Linn, OR, 97068

Ph.: 503-723-4423
Email: ckramer@slrconsulting.com

Subject: Certificate of Results

Dear Chris;

Attached to this narrative are the analytical results you requested on samples submitted for the determination of polychlorinated dibenzo-*p*-dioxins and dibenzofurans. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen/Nord Door
AP Project #	**A5290**
Analytical Protocol	Method 1613B
No. Samples Submitted	20
No. Samples Analyzed	8 (16 on HOLD)
No. Laboratory Method Blanks	2
No. OPRs / Batch CS3	2
No. Outstanding Samples	0
Date Received	15-Mar-2013
Condition Received	good
Temperature upon Receipt (C)	2.2
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	see narrative

QC Annotations:

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

Most samples of the project showed analyte concentrations in excess of the upper calibration range of the method. For reference, the UCL for a 10g sample is: 1000 pg/g for TCDD, TCDF, 5000 pg/g for Penta – HeptaCDD/Fs, and 10000 pg/g for OCDD and OCDF.

Samples **GP-501-1'** and **GP-507-1'** were diluted with solvent and reanalyzed to mitigate saturation of the instrument detector. Sample **GP-503-1'** had such high levels of analytes as to show severe column overload/poor chromatography that no additional dilution with solvent would have improved the analysis, and this run is reported 'as is'.

Data qualifier flags have been applied to assist in data interpretation. A summary of the flags is appended to this narrative.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.

Sincerely,

Amy J. Boehm
Senior Project Manager

APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
>	Indicates high recoveries. Shown with the numeric value at the top of the range.[1]
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned.[1]
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.[1]
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

[1]Denotes data qualifiers/attributes whose use will be phased out over time

Sample ID: Method Blank A5290

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5290	Date Received:	n/a
Project ID:	NORD DOOR	Weight/Volume:	10.00 g	Lab Sample ID	MB1_10742_DF_SDS-RJ	Date Extracted:	20-Mar-2013
Date Collected:	n/a	% Solids:	100.0 %	QC Batch No:	10742	Date Analyzed:	02-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	15:06:37

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.0868			ES 2378-TCDD	90.7	
12378-PeCDD	ND	0.126			ES 12378-PeCDD	87.1	
123478-HxCDD	ND	0.146			ES 123478-HxCDD	87.5	
123678-HxCDD	ND	0.164			ES 123678-HxCDD	79.5	
123789-HxCDD	ND	0.168			ES 123789-HxCDD	89.8	
1234678-HpCDD	0.361			J	ES 1234678-HpCDD	77.4	
OCDD	1.36			J	ES OCDD	67	
2378-TCDF	ND	0.0778			ES 2378-TCDF	90.4	
12378-PeCDF	ND	0.0765			ES 12378-PeCDF	84.5	
23478-PeCDF	ND	0.0716			ES 23478-PeCDF	84.3	
123478-HxCDF	ND	0.103			ES 123478-HxCDF	86.8	
123678-HxCDF	ND	0.0872			ES 123678-HxCDF	98	
234678-HxCDF	ND	0.105			ES 234678-HxCDF	88.5	
123789-HxCDF	ND	0.152			ES 123789-HxCDF	85.5	
1234678-HpCDF	0.118			J	ES 1234678-HpCDF	82.8	
1234789-HpCDF	ND	0.14			ES 1234789-HpCDF	81.7	
OCDF	0.41			J	ES OCDF	67.1	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	93.2	
Total TCDD	ND	0.0868	ND		CS 12347-PeCDD	85.2	
Total PeCDD	ND	0.126	ND		CS 12346-PeCDF	80.6	
Total HxCDD	ND	0.159	ND		CS 123469-HxCDF	99.2	
Total HpCDD	0.625		0.625		CS 1234689-HpCDF	78.8	
					AS 1368-TCDD	95.1	
Total TCDF	ND	0.0778	ND		AS 1368-TCDF	100	
Total PeCDF	ND	0.074	ND				
Total HxCDF	ND	0.109	ND				
Total HpCDF	0.358		0.358				
Total PCDD/Fs	**2.76**		**2.76**				
WHO-2005 TEQs							
TEQ: ND=0	0.00532		0.00532				
TEQ: ND=DL/2	0.175	0.171	0.175				
TEQ: ND=DL	0.344	0.342	0.344				

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Sample ID: Method Blank A5290-R — Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5290	Date Received:	n/a
Project ID:	NORD DOOR	Weight/Volume:	10.00 g	Lab Sample ID	MB1_10752_DF_SDS	Date Extracted:	21-Mar-2013
Date Collected:	n/a	% Solids:	100.0 %	QC Batch No:	10752	Date Analyzed:	28-Mar-2013
		Split:	-	Dilution:	-	Time Analyzed:	01:14:24

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.0736			ES 2378-TCDD	93.7	
12378-PeCDD	ND	0.0757			ES 12378-PeCDD	91	
123478-HxCDD	ND	0.0787			ES 123478-HxCDD	84.3	
123678-HxCDD	ND	0.0861			ES 123678-HxCDD	82.1	
123789-HxCDD	ND	0.0817			ES 123789-HxCDD	86.1	
1234678-HpCDD	EMPC		0.144	J	ES 1234678-HpCDD	90.3	
OCDD	1.94			J	ES OCDD	83.4	
2378-TCDF	ND	0.0745			ES 2378-TCDF	89.2	
12378-PeCDF	ND	0.053			ES 12378-PeCDF	90.3	
23478-PeCDF	ND	0.0581			ES 23478-PeCDF	88.7	
123478-HxCDF	ND	0.0571			ES 123478-HxCDF	83.2	
123678-HxCDF	ND	0.0557			ES 123678-HxCDF	84.3	
234678-HxCDF	ND	0.056			ES 234678-HxCDF	85.8	
123789-HxCDF	ND	0.0667			ES 123789-HxCDF	87.3	
1234678-HpCDF	ND	0.0495			ES 1234678-HpCDF	84	
1234789-HpCDF	ND	0.0605			ES 1234789-HpCDF	85.5	
OCDF	0.13			J	ES OCDF	78.5	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	103	
Total TCDD	ND	0.0736	ND		CS 12347-PeCDD	102	
Total PeCDD	ND	0.0757	ND		CS 12346-PeCDF	94.4	
Total HxCDD	ND	0.0821	ND		CS 123469-HxCDF	92	
Total HpCDD	0.204		0.348		CS 1234689-HpCDF	90.3	
					AS 1368-TCDD	95.4	
Total TCDF	ND	0.0745	ND		AS 1368-TCDF	93.4	
Total PeCDF	ND	0.0555	ND				
Total HxCDF	ND	0.0586	ND				
Total HpCDF	0.0574		0.0574				
Total PCDD/Fs	**2.33**		**2.48**				
WHO-2005 TEQs							
TEQ: ND=0	0.000621		0.00206				
TEQ: ND=DL/2	0.114	0.113	0.115				
TEQ: ND=DL	0.227	0.226	0.227				

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Sample ID: GP-501-1'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5290	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	10.26 g	Lab Sample ID	A5290_10742_DF_001-D20	Date Extracted:	20-Mar-2013
Date Collected:	14-Mar-2013	% Solids:	90.1 %	QC Batch No:	10742	Date Analyzed:	03-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	14:23:42

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	8.64				ES 2378-TCDD	96.5	
12378-PeCDD	111				ES 12378-PeCDD	96.5	
123478-HxCDD	433				ES 123478-HxCDD	98.5	
123678-HxCDD	70000			E	ES 123678-HxCDD	105	
123789-HxCDD	4220				ES 123789-HxCDD	79.9	
1234678-HpCDD	959000			S E	ES 1234678-HpCDD	165	V
OCDD	5500000			E	ES OCDD	6.72	V
2378-TCDF	1480			E	ES 2378-TCDF	85.1	
12378-PeCDF	3630				ES 12378-PeCDF	84.3	
23478-PeCDF	7500			E	ES 23478-PeCDF	83.8	
123478-HxCDF	15500			E	ES 123478-HxCDF	105	
123678-HxCDF	3080				ES 123678-HxCDF	123	
234678-HxCDF	6140			E	ES 234678-HxCDF	110	
123789-HxCDF	2720				ES 123789-HxCDF	118	
1234678-HpCDF	199000			E	ES 1234678-HpCDF	107	
1234789-HpCDF	24700			E	ES 1234789-HpCDF	106	
OCDF	1680000			E	ES OCDF	45.5	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	102	
Total TCDD	1150		1170		CS 12347-PeCDD	82.5	
Total PeCDD	2210		2210		CS 12346-PeCDF	74.5	
Total HxCDD	156000		156000		CS 123469-HxCDF	112	
Total HpCDD	1140000		1140000	S	CS 1234689-HpCDF	207	V
					AS 1368-TCDD	107	
Total TCDF	4450		4450		AS 1368-TCDF	92.3	
Total PeCDF	56600		56600				
Total HxCDF	344000		344000				
Total HpCDF	1130000		1130000				
Total PCDD/Fs	**10000000**		**10000000**				
WHO-2005 TEQs							
TEQ: ND=0	26800		26800				
TEQ: ND=DL/2	26800	20.1	26800				
TEQ: ND=DL	26800	40.3	26800				

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Sample ID: GP-501-5'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5290	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	10.07 g	Lab Sample ID	A5290_10742_DF_003-RJ	Date Extracted:	20-Mar-2013
Date Collected:	14-Mar-2013	% Solids:	38.5 %	QC Batch No:	10742	Date Analyzed:	02-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	16:53:11

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.138			ES 2378-TCDD	87.6	
12378-PeCDD	0.654			J	ES 12378-PeCDD	88.6	
123478-HxCDD	1.48			J	ES 123478-HxCDD	84.6	
123678-HxCDD	174				ES 123678-HxCDD	72	
123789-HxCDD	10.6				ES 123789-HxCDD	84.7	
1234678-HpCDD	3890				ES 1234678-HpCDD	85.8	
OCDD	36700			E	ES OCDD	92.7	
2378-TCDF	7.07				ES 2378-TCDF	86.6	
12378-PeCDF	24.8				ES 12378-PeCDF	82.9	
23478-PeCDF	61.1				ES 23478-PeCDF	86.2	
123478-HxCDF	112				ES 123478-HxCDF	83.5	
123678-HxCDF	23.5				ES 123678-HxCDF	90.4	
234678-HxCDF	36				ES 234678-HxCDF	81.6	
123789-HxCDF	15.8				ES 123789-HxCDF	82.4	
1234678-HpCDF	671				ES 1234678-HpCDF	90.7	
1234789-HpCDF	36.9				ES 1234789-HpCDF	81	
OCDF	1460				ES OCDF	75.3	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	93.6	
Total TCDD	2.86		2.86		CS 12347-PeCDD	89.3	
Total PeCDD	4.29		4.29		CS 12346-PeCDF	80.3	
Total HxCDD	421		421		CS 123469-HxCDF	92.8	
Total HpCDD	6250		6250		CS 1234689-HpCDF	84.3	
					AS 1368-TCDD	93.1	
Total TCDF	31.7		38.1		AS 1368-TCDF	98.5	
Total PeCDF	421		421				
Total HxCDF	1820		1820				
Total HpCDF	2500		2510				
Total PCDD/Fs	**49600**		**49600**				
WHO-2005 TEQs							
TEQ: ND=0	115		115				
TEQ: ND=DL/2	115	0.616	115				
TEQ: ND=DL	115	1.23	115				

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Sample ID: GP-502-1'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5290	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	10.25 g	Lab Sample ID	A5290_10742_DF_004-RJ	Date Extracted:	20-Mar-2013
Date Collected:	14-Mar-2013	% Solids:	84.2 %	QC Batch No:	10742	Date Analyzed:	02-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	17:46:34

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.833				ES 2378-TCDD	88.5	
12378-PeCDD	3.77				ES 12378-PeCDD	92	
123478-HxCDD	3.65				ES 123478-HxCDD	86.6	
123678-HxCDD	9.58				ES 123678-HxCDD	75.4	
123789-HxCDD	5.34				ES 123789-HxCDD	85.2	
1234678-HpCDD	59.2				ES 1234678-HpCDD	84.5	
OCDD	332				ES OCDD	78.6	
2378-TCDF	2.32				ES 2378-TCDF	84.3	
12378-PeCDF	1.46			J	ES 12378-PeCDF	84.6	
23478-PeCDF	1.94			J	ES 23478-PeCDF	88	
123478-HxCDF	1.62			J	ES 123478-HxCDF	82.8	
123678-HxCDF	1.36			J	ES 123678-HxCDF	90.7	
234678-HxCDF	1.41			J	ES 234678-HxCDF	85	
123789-HxCDF	ND	0.113			ES 123789-HxCDF	89.4	
1234678-HpCDF	10.2				ES 1234678-HpCDF	83.7	
1234789-HpCDF	0.926			J	ES 1234789-HpCDF	86.3	
OCDF	18.6				ES OCDF	74.2	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	92	
Total TCDD	105		105		CS 12347-PeCDD	84.7	
Total PeCDD	125		125		CS 12346-PeCDF	76.2	
Total HxCDD	126		126		CS 123469-HxCDF	90.9	
Total HpCDD	120		120		CS 1234689-HpCDF	80.6	
					AS 1368-TCDD	81.5	
Total TCDF	37.1		37.1		AS 1368-TCDF	84.7	
Total PeCDF	21		21.5				
Total HxCDF	16.7		16.8				
Total HpCDF	24.2		24.2				
Total PCDD/Fs	**926**		**927**				
WHO-2005 TEQs							
TEQ: ND=0	8.56		8.56				
TEQ: ND=DL/2	8.57	0.121	8.57				
TEQ: ND=DL	8.58	0.241	8.58				

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Sample ID: GP-503-1'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5290-R	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	10.39 g	Lab Sample ID	A5290_10752_DF_007-R	Date Extracted:	21-Mar-2013
Date Collected:	13-Mar-2013	% Solids:	93.1 %	QC Batch No:	10752	Date Analyzed:	28-Mar-2013
		Split:	-	Dilution:	-	Time Analyzed:	02:06:57

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	12.2				ES 2378-TCDD	114	
12378-PeCDD	190				ES 12378-PeCDD	106	
123478-HxCDD	931				ES 123478-HxCDD	124	
123678-HxCDD	20500			E	ES 123678-HxCDD	120	
123789-HxCDD	3060				ES 123789-HxCDD	92.8	
1234678-HpCDD	624000			E	ES 1234678-HpCDD	42	Q
OCDD	4550000			E	ES OCDD	6.42	V Q
2378-TCDF	20.2				ES 2378-TCDF	97.1	
12378-PeCDF	110				ES 12378-PeCDF	96	
23478-PeCDF	933				ES 23478-PeCDF	96.6	
123478-HxCDF	3380				ES 123478-HxCDF	118	
123678-HxCDF	1220				ES 123678-HxCDF	129	V
234678-HxCDF	2020				ES 234678-HxCDF	119	
123789-HxCDF	ND	14.2			ES 123789-HxCDF	120	
1234678-HpCDF	98500			E	ES 1234678-HpCDF	82.4	
1234789-HpCDF	7150			E	ES 1234789-HpCDF	117	
OCDF	503000			E	ES OCDF	42.7	Q
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	129	
Total TCDD	107		107		CS 12347-PeCDD	106	
Total PeCDD	874		874		CS 12346-PeCDF	93	
Total HxCDD	57500		57500		CS 123469-HxCDF	123	
Total HpCDD	954000		954000		CS 1234689-HpCDF	75.3	
					AS 1368-TCDD	111	
Total TCDF	403		403		AS 1368-TCDF	103	
Total PeCDF	4920		4920				
Total HxCDF	68900		68900				
Total HpCDF	288000		288000				
Total PCDD/Fs	**6430000**		**6430000**				
WHO-2005 TEQs							
TEQ: ND=0	12400		12400				
TEQ: ND=DL/2	12400	2.98	12400				
TEQ: ND=DL	12400	5.97	12400				

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Sample ID: GP-504-1'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5290	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	10.23 g	Lab Sample ID	A5290_10742_DF_010-RJ	Date Extracted:	20-Mar-2013
Date Collected:	13-Mar-2013	% Solids:	93.7 %	QC Batch No:	10742	Date Analyzed:	02-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	18:39:51

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.611				ES 2378-TCDD	33.6	
12378-PeCDD	5.19				ES 12378-PeCDD	34.5	
123478-HxCDD	49.5				ES 123478-HxCDD	31	V
123678-HxCDD	66				ES 123678-HxCDD	27.7	V
123789-HxCDD	23.8				ES 123789-HxCDD	39.7	
1234678-HpCDD	2460				ES 1234678-HpCDD	30.2	
OCDD	27100			E	ES OCDD	27.2	
2378-TCDF	0.546				ES 2378-TCDF	39	
12378-PeCDF	2.33			J	ES 12378-PeCDF	31.4	
23478-PeCDF	3.61				ES 23478-PeCDF	38.9	
123478-HxCDF	10.7				ES 123478-HxCDF	27.2	
123678-HxCDF	10.5				ES 123678-HxCDF	30.3	
234678-HxCDF	13.3				ES 234678-HxCDF	43.9	
123789-HxCDF	ND	1.06			ES 123789-HxCDF	40.7	
1234678-HpCDF	269				ES 1234678-HpCDF	23.7	V
1234789-HpCDF	18.2				ES 1234789-HpCDF	31	
OCDF	602				ES OCDF	21.6	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	35	
Total TCDD	42.2		44.4		CS 12347-PeCDD	36.6	V
Total PeCDD	352		354		CS 12346-PeCDF	35.3	V
Total HxCDD	490		490		CS 123469-HxCDF	43.1	
Total HpCDD	3880		3880		CS 1234689-HpCDF	28.2	
					AS 1368-TCDD	30.6	
Total TCDF	13.5		14		AS 1368-TCDF	26.4	
Total PeCDF	50.4		50.4				
Total HxCDF	238		238				
Total HpCDF	748		752				
Total PCDD/Fs	**33500**		**33500**				
WHO-2005 TEQs							
TEQ: ND=0	60.1		60.1				
TEQ: ND=DL/2	60.2	1.1	60.2				
TEQ: ND=DL	60.3	2.21	60.3				

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Sample ID: GP-505-1'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5290	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	10.93 g	Lab Sample ID	A5290_10742_DF_013-RJ	Date Extracted:	20-Mar-2013
Date Collected:	13-Mar-2013	% Solids:	85.2 %	QC Batch No:	10742	Date Analyzed:	02-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	19:33:14

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	1.93				ES 2378-TCDD	93.6	
12378-PeCDD	15.8				ES 12378-PeCDD	91.2	
123478-HxCDD	62.3				ES 123478-HxCDD	83.8	
123678-HxCDD	367				ES 123678-HxCDD	76.1	
123789-HxCDD	116				ES 123789-HxCDD	81.4	
1234678-HpCDD	13400			E	ES 1234678-HpCDD	95.5	
OCDD-a	199000			E	ES OCDD	112	
2378-TCDF	3.57				ES 2378-TCDF	92.9	
12378-PeCDF	11.2				ES 12378-PeCDF	87.6	
23478-PeCDF	26.2				ES 23478-PeCDF	89.4	
123478-HxCDF	99.4				ES 123478-HxCDF	83.5	
123678-HxCDF	87.6				ES 123678-HxCDF	89.7	
234678-HxCDF	128				ES 234678-HxCDF	82.6	
123789-HxCDF	12.6				ES 123789-HxCDF	84.8	
1234678-HpCDF	2100				ES 1234678-HpCDF	85	
1234789-HpCDF	186				ES 1234789-HpCDF	87.7	
OCDF	5890				ES OCDF	82.8	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	97.3	
Total TCDD	34.2		35		CS 12347-PeCDD	85.1	
Total PeCDD	122		122		CS 12346-PeCDF	82.1	
Total HxCDD	1450		1450		CS 123469-HxCDF	90.1	
Total HpCDD	21300		21300		CS 1234689-HpCDF	84.3	
					AS 1368-TCDD	90.9	
Total TCDF	59.9		59.9		AS 1368-TCDF	98.4	
Total PeCDF	404		404				
Total HxCDF	2160		2160				
Total HpCDF	6010		6010				
Total PCDD/Fs	**236000**		**236000**				
WHO-2005 TEQs							
TEQ: ND=0	332		332				
TEQ: ND=DL/2	332	0.686	332				
TEQ: ND=DL	332	1.37	332				

2714 Exchange Drive
Wilmington, NC 28405 , USA
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Tel: +1 910 794-1613; Toll-Free 866 846-8290; Fax: +1 910 794-3919

Sample ID: GP-506-1'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5290	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	10.75 g	Lab Sample ID	A5290_10742_DF_016-RJ	Date Extracted:	20-Mar-2013
Date Collected:	13-Mar-2013	% Solids:	92.5 %	QC Batch No:	10742	Date Analyzed:	02-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	20:26:35

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	EMPC		0.252	J	ES 2378-TCDD	67.8	
12378-PeCDD	1.66			J	ES 12378-PeCDD	67.5	
123478-HxCDD	4.74				ES 123478-HxCDD	62.3	
123678-HxCDD	22.4				ES 123678-HxCDD	55	
123789-HxCDD	8.86				ES 123789-HxCDD	61.2	
1234678-HpCDD	669				ES 1234678-HpCDD	64.1	
OCDD	8040				ES OCDD	62.2	
2378-TCDF	0.937				ES 2378-TCDF	67	
12378-PeCDF	1.23			J	ES 12378-PeCDF	65	
23478-PeCDF	2.46				ES 23478-PeCDF	66.1	
123478-HxCDF	5.5				ES 123478-HxCDF	60.9	
123678-HxCDF	5.17				ES 123678-HxCDF	66.1	
234678-HxCDF	6.51				ES 234678-HxCDF	60.9	
123789-HxCDF	ND	0.556			ES 123789-HxCDF	60.4	
1234678-HpCDF	90.9				ES 1234678-HpCDF	72.1	
1234789-HpCDF	6.44				ES 1234789-HpCDF	63.4	
OCDF	217				ES OCDF	55.6	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	71.6	
Total TCDD	9.82		10.5		CS 12347-PeCDD	66.7	
Total PeCDD	17.7		18.8		CS 12346-PeCDF	60.6	
Total HxCDD	151		151		CS 123469-HxCDF	66.4	
Total HpCDD	1470		1470		CS 1234689-HpCDF	61.6	
					AS 1368-TCDD	69.3	
Total TCDF	13.6		14.5		AS 1368-TCDF	75.8	
Total PeCDF	37.8		37.8				
Total HxCDF	125		126				
Total HpCDF	238		240				
Total PCDD/Fs	**10300**		**10300**				
WHO-2005 TEQs							
TEQ: ND=0	18		18.2				
TEQ: ND=DL/2	18.1	0.481	18.3				
TEQ: ND=DL	18.2	0.962	18.3				

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Sample ID: GP-507-1'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5290	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	10.13 g	Lab Sample ID	A5290_10742_DF_019-D5	Date Extracted:	20-Mar-2013
Date Collected:	13-Mar-2013	% Solids:	87.7 %	QC Batch No:	10742	Date Analyzed:	02-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	21:19:57

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	1.44			ES 2378-TCDD	38.2	
12378-PeCDD	9.62				ES 12378-PeCDD	37.9	
123478-HxCDD	24.2				ES 123478-HxCDD	37.6	
123678-HxCDD	196				ES 123678-HxCDD	29.3	
123789-HxCDD	93				ES 123789-HxCDD	31.3	
1234678-HpCDD	4960			E	ES 1234678-HpCDD	34.3	
OCDD	51300			E	ES OCDD	33.1	
2378-TCDF	4.82				ES 2378-TCDF	36.3	
12378-PeCDF	9.94				ES 12378-PeCDF	35.2	
23478-PeCDF	21.6				ES 23478-PeCDF	35.9	
123478-HxCDF	47.4				ES 123478-HxCDF	33.4	
123678-HxCDF	28.9				ES 123678-HxCDF	36.8	
234678-HxCDF	40.2				ES 234678-HxCDF	32.1	
123789-HxCDF	5.04				ES 123789-HxCDF	33.7	
1234678-HpCDF	683				ES 1234678-HpCDF	34.7	
1234789-HpCDF	42.7				ES 1234789-HpCDF	35.2	
OCDF	1510				ES OCDF	30.3	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	36.9	
Total TCDD	27.1		32.6		CS 12347-PeCDD	35.4	V
Total PeCDD	83.5		83.5		CS 12346-PeCDF	31.6	V
Total HxCDD	1260		1260		CS 123469-HxCDF	32.7	V
Total HpCDD	12700		12700		CS 1234689-HpCDF	31.5	
					AS 1368-TCDD	38.4	
Total TCDF	57.9		61		AS 1368-TCDF	40.4	
Total PeCDF	265		269				
Total HxCDF	523		526				
Total HpCDF	1870		1870				
Total PCDD/Fs	**69600**		**69600**				
WHO-2005 TEQs							
TEQ: ND=0	133		133				
TEQ: ND=DL/2	134	4.23	134				
TEQ: ND=DL	134	8.46	134				

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Sample Receipt Notification

2714 Exchange Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager:	*Amy Boehm*
Receipt Date & Time:	*15-Mar-13 at 09:55*
AP Project name:	*A5290*
Requested TAT:	*21 days*
Projected due date:	*5-Apr-13*
Matrix:	*Soil*
Phone#:	*910-794-1613*
Email Address:	*Amy.Boehm@sgs.com*

Company Contact:	*Megan Coracci*
Company:	*SLR International Corporation*
Project Name & Site:	*NORD DOOR*
Project PO#:	*108.00228.00026*
QAAP/Contract #:	
Requested Analysis:	~~5/31/1904~~ M1613 17+ Hydrocarbons GRO DRO
Phone#:	*503.723.4423*
Email Address:	*mcoracci@slrconsulting.com*

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
GP-501-1'	A5290_001	SOIL	1	14-Mar-13	08:50	2.2	1	799283838403
GP-501-3' - HOLD	A5290_002	SOIL	1	14-Mar-13	08:55	2.2	1	799283838403
GP-501-5'	A5290_003	SOIL	1	14-Mar-13	09:00	2.2	1	799283838403
GP-502-1'	A5290_004	SOIL	1	14-Mar-13	09:35	2.2	1	799283838403
GP-502-3' - HOLD	A5290_005	SOIL	1	14-Mar-13	09:40	2.2	1	799283838403
GP-502-5' - HOLD	A5290_006	SOIL	1	14-Mar-13	09:45	2.2	1	799283838403
GP-503-1'	A5290_007	SOIL	1	13-Mar-13	12:15	2.2	1	799283838403
GP-503-3' - HOLD	A5290_008	SOIL	1	13-Mar-13	12:20	2.2	1	799283838403
GP-503-5' - HOLD	A5290_009	SOIL	1	13-Mar-13	12:25	2.2	1	799283838403
GP-504-1'	A5290_010	SOIL	1	13-Mar-13	10:50	2.2	1	799283838403
GP-504-3' - HOLD	A5290_011	SOIL	1	13-Mar-13	10:55	2.2	1	799283838403
GP-504-5' - HOLD	A5290_012	SOIL	1	13-Mar-13	11:00	2.2	1	799283838403
GP-505-1'	A5290_013	SOIL	1	13-Mar-13	12:35	2.2	1	799283838403
GP-505-3' - HOLD	A5290_014	SOIL	1	13-Mar-13	12:40	2.2	1	799283838403
GP-505-5' - HOLD	A5290_015	SOIL	1	13-Mar-13	12:45	2.2	1	799283838403
GP-506-1'	A5290_016	SOIL	1	13-Mar-13	12:55	2.2	1	799283838403
GP-506-3' - HOLD	A5290_017	SOIL	1	13-Mar-13	13:00	2.2	1	799283838403

Preservation Type:	Ice - Good Condition	**Sample Seals:**	No

Notes/Comments:

Samples received intact
Per client request sample GP-501-5' is to be analyzed

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager *Logged in by: Barbara Hager* *QC'ed by:*

SGS Analytical Perspectives

Sample Receipt Notification

2714 Exchange Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager:
Receipt Date & Time:
AP Project name:
Requested TAT:
Projected due date:
Matrix:
Phone#:
Email Address:

Company Contact:
Company:
Project Name & Site:
Project PO#:
QAAP/Contract #:
Requested Analysis:
Phone#:
Email Address:

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
GP-506-5' - HOLD	A5290_018	SOIL	1	13-Mar-13	13:05	2.2	1	799283838403
GP-507-1'	A5290_019	SOIL	1	13-Mar-13	13:20	2.2	1	799283838403
GP-507-3' - HOLD	A5290_020	SOIL	1	13-Mar-13	13:25	2.2	1	799283838403

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:

Samples received intact
Per client request sample GP-501-5' is to be analyzed

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: *Logged in by:* *QC'ed by:* _____

SGS ANALYTICAL PERSPECTIVES — CHAIN OF CUSTODY

SGS ANALYTICAL PERSPECTIVES
5500 Business Drive
Wilmington, NC 28405
+1 910 350 1903
WWW.SGS.COM

CLIENT: SLR International Corporation
CONTACT: Megan Coracci **PHONE NO:** (503)723-4423
PROJECT: Nord Door **SITE / PWSID / WBS #:**
REPORTS TO: Megan Coracci
EMAIL: mcoracci@slrconsulting.com
INVOICE TO: **QUOTE #**
P.O. NUMBER 108.00228.00026

SGS Reference #: A5290

PAGE 1 OF 4

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	SAMPLE TYPE (C=COMP, G=GRAB)	PRESERVATIVES USED: None	ANALYSIS REQUIRED: Dioxins & Furans by 1613B	REMARKS
1	GP-501-1'	3/14/13	0850	Soil	1	G		X	
2	GP-501-3'		0855						
3	GP-501-5'		0900					X	analyze per client 3/15 ba
4	GP-502-1'		0935					X	
5	GP-502-3'		0940						
6	GP-502-5'		0945						
7	GP-503-1'	3/13/13	1215					X	
8	GP-503-3'		1220						
9	GP-503-5'		1225						
10	GP-504-1'		1050					X	

COLLECTED/RELINQUISHED BY: (1)	DATE	TIME	RECEIVED BY:	REPORT LEVEL:	REQUESTED TURNAROUND TIME:
Chris Lee (CA)	3/14/13	1200		☐ Level I ☐ Level II ☐ Level IV	☐ Rush:_____ ☒ Standard
Relinquished By: (2)	Date	Time	Received By:	SPECIAL DELIVERABLES: State of Origin: WA	☐ Trust Fund
				☐ DoD ☐ EDD:_____	Other:_____
Relinquished By: (3)	Date	Time	Received By:	SPECIAL INSTRUCTIONS: HOLD ALL SAMPLES FOR FOLLOW-UP ANALYSES. WILL CALL WITH INSTRUCTIONS PENDING RESULTS	
Received For Laboratory By: Barbara Hagy	Date 3/15/13	Time 0955	CoC Seal (INTACT) BROKEN ABSENT Sample Receipt Temp: C 2.2,	Shipping Carrier: Shipping Ticket No:	Notes:

SGS-00055 (06/12)

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

White - Retained by Lab
Yellow - Retained by Client

CHAIN OF CUSTODY

SGS ANALYTICAL PERSPECTIVES
5500 Business Drive
Wilmington, NC 28405
+1 910 350 1903
WWW.SGS.COM

CLIENT: SLR INTERNATIONAL CORPORATION
CONTACT: MEGAN CORACCI **PHONE NO:** (503) 723-4423
PROJECT: NORD DOOR **SITE / PWSID / WBS #:**
REPORTS TO: MEGAN CORACCI
EMAIL: mcoracci@slrconsulting.com
INVOICE TO: **QUOTE #**
P.O. NUMBER 108.00228.00026

SGS Reference #: A5290

PAGE 2 OF 4

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	SAMPLE TYPE (C=COMP, G=GRAB)	PRESERVATIVES USED: None	ANALYSIS REQUIRED: Dioxins & Furans by 1613	REMARKS
11	GP-504-3'	3/13/13	1055	SOIL	1	G			
12	GP-504-5'		1100						
13	GP-505-1'		1235					X	
14	GP-505-3'		1240						
15	GP-505-5'		1245						
16	GP-506-1'		1255					X	
17	GP-506-3'		1300						
18	GP-506-5'		1305						
19	GP-507-1'		1320					X	
20	GP-507-3'		1325						

COLLECTED/RELINQUISHED BY: (1)	DATE	TIME	RECEIVED BY:	REPORT LEVEL:	REQUESTED TURNAROUND TIME:
CHRIS LEE (CL)	3/14/13	1200		☐ Level I ☐ Level II ☐ Level IV	☐ Rush:_____ ☒ Standard
Relinquished By: (2)	Date	Time	Received By:	SPECIAL DELIVERABLES: State of Origin: WA	☐ Trust Fund
				☐ DoD ☐ EDD:_____	Other:_____
Relinquished By: (3)	Date	Time	Received By:	SPECIAL INSTRUCTIONS: HOLD ALL SAMPLES FOR FOLLOW-UP ANALYSES. WILL CALL WITH INSTRUCTIONS PENDING RESULTS	
Received For Laboratory By: Barbara Hagy	Date 3/15/13	Time 0945	CoC Seal: (INTACT) BROKEN ABSENT Sample Receipt Temp: C 2.2	Shipping Carrier: Shipping Ticket No:	Notes:

SGS-00055 (06/12)

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

White - Retained by Lab
Yellow - Retained by Client

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **SLR** Work Order No.: **A5290**

1. _X_ Shipped
   ___ Hand Delivered

2. _X_ COC Present on Receipt
   ___ No COC
   ___ Additional Transmittal Forms

3. _X_ Custody Tape on Container
   ___ No Custody Tape

4. _X_ Samples Intact
   ___ Samples Broken / Leaking

5. _X_ Chilled on Receipt Actual Temp.(s) in °C: 2.2°
   ___ Ambient on Receipt
   ___ Walk-in on Ice; Coming down to temp.
   ___ ATL

6. _X_ Sufficient Sample Submitted
   ___ Insufficient Sample Submitted

7. ___ Chlorine absent
   ___ HNO3 < 2
   ___ HCL < 2
   ___ Additional Preservatives verified (see notes)

8. _X_ Received Within Holding Time
   ___ Not Received Within Holding Time

9. _X_ No Discrepancies Noted
   ___ Discrepancies Noted
   ___ NCDENR notified of Discrepancies*

10. ___ No Headspace present in VOC vials
    ___ Headspace present in VOC vials >6mm

Notes:

Comments:

Inspected and Logged in by: BAH
Date: Fri-3/15/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

29 APRIL 2013

Chris Kramer
SLR International Corporation
1800 Blankenship Road, Suite 440
West Linn, OR, 97068

Ph.: 503-723-4423
Email: ckramer@slrconsulting.com

Subject: Certificate of Results

Dear Chris;

Attached to this narrative are the analytical results you requested on samples submitted for the determination of polychlorinated dibenzo-*p*-dioxins and dibenzofurans. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen/Nord Door
AP Project #	**A5290_10827**
Analytical Protocol	Method 1613B
No. Samples Submitted	20
No. Samples Analyzed	4 (8 previously reported, 8 remain on HOLD)
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	15-Mar-2013
Condition Received	good
Temperature upon Receipt (C)	2.2, 0.4
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

QC Annotations:

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

A5290 batch 10827: Samples were taken of hold for analysis at client request, 10 April 2013. Results for those four samples are reported here.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.

Sincerely,

Amy J. Boehm
Senior Project Manager

APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
>	Indicates high recoveries. Shown with the numeric value at the top of the range.[1]
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned.[1]
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.[1]
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

[1]Denotes data qualifiers/attributes whose use will be phased out over time

Sample ID: GP-503-3'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5290	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	7.42 g	Lab Sample ID	A5290_10827_DF_008	Date Extracted:	12-Apr-2013
Date Collected:	13-Mar-2013	% Solids:	61.6 %	QC Batch No:	10827	Date Analyzed:	24-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	18:45:03

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	3.18				ES 2378-TCDD	93.1	
12378-PeCDD	5.85				ES 12378-PeCDD	87.1	
123478-HxCDD	8.28				ES 123478-HxCDD	66.7	
123678-HxCDD	67.8				ES 123678-HxCDD	56.9	
123789-HxCDD	13.5				ES 123789-HxCDD	50.4	
1234678-HpCDD	1970				ES 1234678-HpCDD	69.4	
OCDD	22600			E	ES OCDD	60	
2378-TCDF	21.9				ES 2378-TCDF	85.4	
12378-PeCDF	8.71				ES 12378-PeCDF	83.6	
23478-PeCDF	16.5				ES 23478-PeCDF	80.6	
123478-HxCDF	14				ES 123478-HxCDF	64	
123678-HxCDF	8.13				ES 123678-HxCDF	65.6	
234678-HxCDF	11.9				ES 234678-HxCDF	63.5	
123789-HxCDF	2.74			J	ES 123789-HxCDF	58.5	
1234678-HpCDF	340				ES 1234678-HpCDF	61.5	
1234789-HpCDF	22.9				ES 1234789-HpCDF	63.3	
OCDF	1680				ES OCDF	54.3	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	107	
Total TCDD	236		241		CS 12347-PeCDD	96.1	
Total PeCDD	193		193		CS 12346-PeCDF	85.4	
Total HxCDD	384		384		CS 123469-HxCDF	73.3	
Total HpCDD	3180		3180		CS 1234689-HpCDF	71.3	
					AS 1368-TCDD	83.3	
Total TCDF	371		373		AS 1368-TCDF	80.4	
Total PeCDF	163		167				
Total HxCDF	265		266				
Total HpCDF	1330		1330				
Total PCDD/Fs	**30400**		**30400**				
WHO-2005 TEQs							
TEQ: ND=0	59.6		59.6				
TEQ: ND=DL/2	59.6	0.754	59.6				
TEQ: ND=DL	59.6	1.51	59.6				

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Sample ID: GP-503-5'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5290	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	9.56 g	Lab Sample ID	A5290_10827_DF_009	Date Extracted:	12-Apr-2013
Date Collected:	13-Mar-2013	% Solids:	80.0 %	QC Batch No:	10827	Date Analyzed:	24-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	19:37:39

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.319			ES 2378-TCDD	93.7	
12378-PeCDD	ND	0.384			ES 12378-PeCDD	91.7	
123478-HxCDD	ND	0.485			ES 123478-HxCDD	84.1	
123678-HxCDD	5.15				ES 123678-HxCDD	82.4	
123789-HxCDD	EMPC		0.889	J	ES 123789-HxCDD	87.8	
1234678-HpCDD	183				ES 1234678-HpCDD	90.6	
OCDD	2240				ES OCDD	87.8	
2378-TCDF	ND	0.258			ES 2378-TCDF	90.9	
12378-PeCDF	ND	0.267			ES 12378-PeCDF	84.2	
23478-PeCDF	ND	0.25			ES 23478-PeCDF	86.4	
123478-HxCDF	EMPC		0.811	J	ES 123478-HxCDF	87	
123678-HxCDF	ND	0.258			ES 123678-HxCDF	90.9	
234678-HxCDF	EMPC		0.443	J	ES 234678-HxCDF	90.6	
123789-HxCDF	ND	0.317			ES 123789-HxCDF	91.5	
1234678-HpCDF	28.2				ES 1234678-HpCDF	89.6	
1234789-HpCDF	2.4			J	ES 1234789-HpCDF	87.2	
OCDF	158				ES OCDF	83.8	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	105	
Total TCDD	ND	0.319	ND		CS 12347-PeCDD	93.6	
Total PeCDD	ND	0.384	ND		CS 12346-PeCDF	86.2	
Total HxCDD	14.2		15.1		CS 123469-HxCDF	96.1	
Total HpCDD	308		308		CS 1234689-HpCDF	92.6	
					AS 1368-TCDD	92.8	
Total TCDF	0.29		0.29		AS 1368-TCDF	91.2	
Total PeCDF	0.518		0.518				
Total HxCDF	15.2		16.5				
Total HpCDF	112		112				
Total PCDD/Fs	**2850**		**2850**				
WHO-2005 TEQs							
TEQ: ND=0	3.37		3.58				
TEQ: ND=DL/2	3.88	0.543	4.04				
TEQ: ND=DL	4.39	1.09	4.5				

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Sample ID: GP-505-3'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5290	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	10.04 g	Lab Sample ID	A5290_10827_DF_014	Date Extracted:	12-Apr-2013
Date Collected:	13-Mar-2013	% Solids:	84.9 %	QC Batch No:	10827	Date Analyzed:	24-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	20:30:16

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.351			J	ES 2378-TCDD	91.8	
12378-PeCDD	0.664			J	ES 12378-PeCDD	85.9	
123478-HxCDD	ND	0.398			ES 123478-HxCDD	80.2	
123678-HxCDD	1.61			J	ES 123678-HxCDD	75.6	
123789-HxCDD	ND	0.415			ES 123789-HxCDD	81.1	
1234678-HpCDD	46.4				ES 1234678-HpCDD	87.5	
OCDD	542				ES OCDD	79.4	
2378-TCDF	0.652				ES 2378-TCDF	86.7	
12378-PeCDF	ND	0.326			ES 12378-PeCDF	80.8	
23478-PeCDF	ND	0.309			ES 23478-PeCDF	79.8	
123478-HxCDF	EMPC		0.262	J	ES 123478-HxCDF	82.3	
123678-HxCDF	EMPC		0.232	J	ES 123678-HxCDF	85.6	
234678-HxCDF	ND	0.249			ES 234678-HxCDF	85.2	
123789-HxCDF	ND	0.288			ES 123789-HxCDF	86.4	
1234678-HpCDF	6.88				ES 1234678-HpCDF	82.4	
1234789-HpCDF	EMPC		0.495	J	ES 1234789-HpCDF	83.2	
OCDF	38.4				ES OCDF	75.8	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	103	
Total TCDD	12.5		12.5		CS 12347-PeCDD	94.3	
Total PeCDD	20.6		21.6		CS 12346-PeCDF	87.7	
Total HxCDD	24.6		24.6		CS 123469-HxCDF	95.5	
Total HpCDD	76.3		76.3		CS 1234689-HpCDF	91.9	
					AS 1368-TCDD	91	
Total TCDF	6.21		9.14		AS 1368-TCDF	87.5	
Total PeCDF	0.78		1.19				
Total HxCDF	4.43		5.26				
Total HpCDF	26.7		27.2				
Total PCDD/Fs	**752**		**758**				
WHO-2005 TEQs							
TEQ: ND=0	1.95		2				
TEQ: ND=DL/2	2.09	0.529	2.12				
TEQ: ND=DL	2.24	1.06	2.24				

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Sample ID: GP-507-3'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5290	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	10.80 g	Lab Sample ID	A5290_10827_DF_020	Date Extracted:	12-Apr-2013
Date Collected:	13-Mar-2013	% Solids:	83.2 %	QC Batch No:	10827	Date Analyzed:	24-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	21:22:52

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.279			ES 2378-TCDD	86.1	
12378-PeCDD	ND	0.285			ES 12378-PeCDD	82.9	
123478-HxCDD	ND	0.331			ES 123478-HxCDD	78.3	
123678-HxCDD	ND	0.307			ES 123678-HxCDD	76.7	
123789-HxCDD	ND	0.333			ES 123789-HxCDD	81.3	
1234678-HpCDD	11.4				ES 1234678-HpCDD	88.9	
OCDD	99.4				ES OCDD	80.8	
2378-TCDF	ND	0.224			ES 2378-TCDF	83.1	
12378-PeCDF	ND	0.274			ES 12378-PeCDF	75	
23478-PeCDF	ND	0.276			ES 23478-PeCDF	77.9	
123478-HxCDF	ND	0.177			ES 123478-HxCDF	82.7	
123678-HxCDF	ND	0.168			ES 123678-HxCDF	84.7	
234678-HxCDF	ND	0.204			ES 234678-HxCDF	83.3	
123789-HxCDF	ND	0.21			ES 123789-HxCDF	86.7	
1234678-HpCDF	1.71			J	ES 1234678-HpCDF	78.2	
1234789-HpCDF	ND	0.316			ES 1234789-HpCDF	87.7	
OCDF	4.59			J	ES OCDF	78.2	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	95.4	
Total TCDD	ND	0.279	ND		CS 12347-PeCDD	87	
Total PeCDD	ND	0.285	ND		CS 12346-PeCDF	79.2	
Total HxCDD	2.33		2.33		CS 123469-HxCDF	91.1	
Total HpCDD	32.8		32.8		CS 1234689-HpCDF	87.4	
					AS 1368-TCDD	83	
Total TCDF	ND	0.224	ND		AS 1368-TCDF	83.3	
Total PeCDF	ND	0.275	ND				
Total HxCDF	1.44		1.44				
Total HpCDF	4.75		4.75				
Total PCDD/Fs	**145**		**145**				
WHO-2005 TEQs							
TEQ: ND=0	0.162		0.162				
TEQ: ND=DL/2	0.588	0.43	0.588				
TEQ: ND=DL	1.01	0.86	1.01				

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Sample ID: Method Blank A5290

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5290	Date Received:	n/a
Project ID:	NORD DOOR	Weight/Volume:	10.00 g	Lab Sample ID	MB1_10827_DF_SDS	Date Extracted:	12-Apr-2013
Date Collected:	n/a	% Solids:	100.0 %	QC Batch No:	10827	Date Analyzed:	24-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	17:52:26

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.126			ES 2378-TCDD	88.4	
12378-PeCDD	ND	0.141			ES 12378-PeCDD	79.3	
123478-HxCDD	ND	0.136			ES 123478-HxCDD	78	
123678-HxCDD	ND	0.142			ES 123678-HxCDD	75.4	
123789-HxCDD	ND	0.139			ES 123789-HxCDD	79.1	
1234678-HpCDD	ND	0.141			ES 1234678-HpCDD	84.5	
OCDD	EMPC		0.553	J	ES OCDD	72.2	
2378-TCDF	ND	0.0862			ES 2378-TCDF	84.3	
12378-PeCDF	ND	0.121			ES 12378-PeCDF	76.5	
23478-PeCDF	ND	0.123			ES 23478-PeCDF	75.2	
123478-HxCDF	ND	0.094			ES 123478-HxCDF	82.3	
123678-HxCDF	ND	0.0975			ES 123678-HxCDF	85.3	
234678-HxCDF	ND	0.11			ES 234678-HxCDF	86.5	
123789-HxCDF	ND	0.123			ES 123789-HxCDF	84.7	
1234678-HpCDF	ND	0.106			ES 1234678-HpCDF	83.1	
1234789-HpCDF	ND	0.127			ES 1234789-HpCDF	81.7	
OCDF	ND	0.217			ES OCDF	75.2	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	103	
Total TCDD	ND	0.126	ND		CS 12347-PeCDD	96.6	
Total PeCDD	ND	0.141	ND		CS 12346-PeCDF	79.1	
Total HxCDD	ND	0.139	ND		CS 123469-HxCDF	97.6	
Total HpCDD	ND	0.141	ND		CS 1234689-HpCDF	94	
					AS 1368-TCDD	95.1	
Total TCDF	ND	0.0862	ND		AS 1368-TCDF	88.8	
Total PeCDF	ND	0.122	ND				
Total HxCDF	ND	0.105	ND				
Total HpCDF	ND	0.116	ND				
Total PCDD/Fs	**ND**		**0.553**				
WHO-2005 TEQs							
TEQ: ND=0	0		0.000166				
TEQ: ND=DL/2	0.202	0.202	0.202				
TEQ: ND=DL	0.404	0.404	0.404				

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METHOD 1613B **PCDD/F ONGOING PRECISION AND RECOVERY (OPR)** **FORM 8A**

Lab Name:	SGS Analytical Perspectives		
Initial Calibration:	ICAL: MM1_11012012A_DF_13FEB2013		
Instrument ID:	MM1	GC Column ID:	ZB-5ms
VER Data Filename:	130424P1-02	Analysis Date:	24-APR-2013 16:07:28
Lab ID:	OPR1_10827_DF		

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
2,3,7,8-TCDD	10	10.2	6.7	-	15.8	Y
1,2,3,7,8-PeCDD	50	50.7	35	-	71	Y
1,2,3,4,7,8-HxCDD	50	54.1	35	-	82	Y
1,2,3,6,7,8-HxCDD	50	56.6	38	-	67	Y
1,2,3,7,8,9-HxCDD	50	53.1	32	-	81	Y
1,2,3,4,6,7,8-HpCDD	50	50.9	35	-	70	Y
OCDD	100	110	78	-	144	Y
2,3,7,8-TCDF	10	11	7.5	-	15.8	Y
1,2,3,7,8-PeCDF	50	52	40	-	67	Y
2,3,4,7,8-PeCDF	50	55.3	34	-	80	Y
1,2,3,4,7,8-HxCDF	50	50.2	36	-	67	Y
1,2,3,6,7,8-HxCDF	50	52.3	42	-	65	Y
2,3,4,6,7,8-HxCDF	50	51.9	35	-	78	Y
1,2,3,7,8,9-HxCDF	50	50.9	39	-	65	Y
1,2,3,4,6,7,8-HpCDF	50	54.6	41	-	61	Y
1,2,3,4,7,8,9-HpCDF	50	51.8	39	-	69	Y
OCDF	100	109	63	-	170	Y

Contract-required concentration limits for OPR as specified in Table 6,
Method 1613. 10/94

Processed: 25 Apr 2013 16:25 Analyst: MC

METHOD 1613B **PCDD/F ONGOING PRECISION AND RECOVERY (OPR)** **FORM 8B**

Lab Name:	SGS Analytical Perspectives		
Initial Calibration:	ICAL: MM1_11012012A_DF_13FEB2013		
Instrument ID:	MM1	GC Column ID:	ZB-5ms
VER Data Filename:	130424P1-02	Analysis Date:	24-APR-2013 16:07:28
Lab ID:	OPR1_10827_DF		

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	96.5	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	90.4	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	90.5	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	84	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	85.9	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	92.5	26	-	166	Y
13C-OCDD	200	159	26	-	397	Y
13C-2,3,7,8-TCDF	100	90.1	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	91.2	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	84.1	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	92	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	93.9	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	94.3	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	93.4	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	89.3	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	92	20	-	186	Y
13C-OCDF	200	165	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	42.9	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
Method 1613. 10/94

Processed: 25 Apr 2013 16:25 Analyst: MC

Sample Receipt Notification

2714 Exchange Drive
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Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager:	*Amy Boehm*
Receipt Date & Time:	*15-Mar-13 at 09:55*
AP Project name:	*A5290*
Requested TAT:	*21 days*
Projected due date:	*5-Apr-13*
Matrix:	*Soil*
Phone#:	*910-794-1613*
Email Address:	*Amy.Boehm@sgs.com*

Company Contact:	*Megan Coracci*
Company:	*SLR International Corporation*
Project Name & Site:	*NORD DOOR*
Project PO#:	*108.00228.00026*
QAAP/Contract #:	
Requested Analysis:	~~5/31/1904~~ M1613 17+ Hmgs (OPC)
Phone#:	*503.723.4423*
Email Address:	*mcoracci@slrconsulting.com*

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
GP-501-1'	A5290_001	SOIL	1	14-Mar-13	08:50	2.2	1	799283838403
GP-501-3' - HOLD	A5290_002	SOIL	1	14-Mar-13	08:55	2.2	1	799283838403
GP-501-5'	A5290_003	SOIL	1	14-Mar-13	09:00	2.2	1	799283838403
GP-502-1'	A5290_004	SOIL	1	14-Mar-13	09:35	2.2	1	799283838403
GP-502-3' - HOLD	A5290_005	SOIL	1	14-Mar-13	09:40	2.2	1	799283838403
GP-502-5' - HOLD	A5290_006	SOIL	1	14-Mar-13	09:45	2.2	1	799283838403
GP-503-1'	A5290_007	SOIL	1	13-Mar-13	12:15	2.2	1	799283838403
GP-503-3' - HOLD	A5290_008	SOIL	1	13-Mar-13	12:20	2.2	1	799283838403
GP-503-5' - HOLD	A5290_009	SOIL	1	13-Mar-13	12:25	2.2	1	799283838403
GP-504-1'	A5290_010	SOIL	1	13-Mar-13	10:50	2.2	1	799283838403
GP-504-3' - HOLD	A5290_011	SOIL	1	13-Mar-13	10:55	2.2	1	799283838403
GP-504-5' - HOLD	A5290_012	SOIL	1	13-Mar-13	11:00	2.2	1	799283838403
GP-505-1'	A5290_013	SOIL	1	13-Mar-13	12:35	2.2	1	799283838403
GP-505-3' - HOLD	A5290_014	SOIL	1	13-Mar-13	12:40	2.2	1	799283838403
GP-505-5' - HOLD	A5290_015	SOIL	1	13-Mar-13	12:45	2.2	1	799283838403
GP-506-1'	A5290_016	SOIL	1	13-Mar-13	12:55	2.2	1	799283838403
GP-506-3' - HOLD	A5290_017	SOIL	1	13-Mar-13	13:00	2.2	1	799283838403

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:

Samples received intact
Per client request sample GP-501-5' is to be analyzed

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager *Logged in by: Barbara Hager* *QC'ed by:*

SGS Analytical Perspectives

Sample Receipt Notification

2714 Exchange Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager:
Receipt Date & Time:
AP Project name:
Requested TAT:
Projected due date:
Matrix:
Phone#:
Email Address:

Company Contact:
Company:
Project Name & Site:
Project PO#:
QAAP/Contract #:
Requested Analysis:
Phone#:
Email Address:

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
GP-506-5' - HOLD	A5290_018	SOIL	1	13-Mar-13	13:05	2.2	1	799283838403
GP-507-1'	A5290_019	SOIL	1	13-Mar-13	13:20	2.2	1	799283838403
GP-507-3' - HOLD	A5290_020	SOIL	1	13-Mar-13	13:25	2.2	1	799283838403

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:

Samples received intact
Per client request sample GP-501-5' is to be analyzed

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: *Logged in by:* *QC'ed by:* _____

CHAIN OF CUSTODY

SGS ANALYTICAL PERSPECTIVES
5500 Business Drive
Wilmington, NC 28405
+1 910 350 1903
WWW.SGS.COM

CLIENT: SLR International Corporation
CONTACT: Megan Coracci **PHONE NO:** (503) 723-4423
PROJECT: Nord Door **SITE / PWSID / WBS #:**
REPORTS TO: Megan Coracci
EMAIL: mcoracci@slrconsulting.com
INVOICE TO: **QUOTE #**
P.O. NUMBER 108.00228.00026

SGS Reference #: A5290

PAGE 1 OF 4

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	SAMPLE TYPE (C=COMP, G=GRAB)	PRESERVATIVES USED: None	ANALYSIS REQUIRED: Dioxins & furans by 1613B	REMARKS
1	GP-501-1'	3/14/13	0850	Soil	1	G		X	
2	GP-501-3'		0855						
3	GP-501-5'		0900					X	analyze per client 3/15 bw
4	GP-502-1'		0935					X	
5	GP-502-3'		0940						
6	GP-502-5'		0945						
7	GP-503-1'	3/13/13	1215					X	
8	GP-503-3'		1220						
9	GP-503-5'		1225						
10	GP-504-1'		1050					X	

COLLECTED/RELINQUISHED BY: (1)	DATE	TIME	RECEIVED BY:
Chris Lee (CA)	3/14/13	1200	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Received For Laboratory By: Barbara Haigh	Date 3/15/13	Time 0955	CoC Seal: (INTACT) BROKEN ABSENT Sample Receipt Temp: C 2.2

REPORT LEVEL: ☐ Level I ☐ Level II ☐ Level IV
REQUESTED TURNAROUND TIME: ☐ Rush:_____ ☒ Standard
SPECIAL DELIVERABLES: State of Origin: WA ☐ Trust Fund
☐ DoD ☐ EDD:_____ Other:_____
SPECIAL INSTRUCTIONS: HOLD ALL SAMPLES FOR FOLLOW-UP ANALYSES. WILL CALL WITH INSTRUCTIONS PENDING RESULTS
Shipping Carrier: **Notes:**
Shipping Ticket No:

SGS-00055 (06/12)

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

White - Retained by Lab
Yellow - Retained by Client

CHAIN OF CUSTODY

SGS ANALYTICAL PERSPECTIVES
5500 Business Drive
Wilmington, NC 28405
+1 910 350 1903
WWW.SGS.COM

CLIENT: SLR INTERNATIONAL CORPORATION
CONTACT: MEGAN CORACCI **PHONE NO:** (503) 723-4423
PROJECT: NORD DOOR **SITE / PWSID / WBS #:**
REPORTS TO: MEGAN CORACCI
EMAIL: mcoracci@slrconsulting.com
INVOICE TO: **QUOTE #**
P.O. NUMBER 108.00228.00026

SGS Reference #: AS290

PAGE 2 **OF** 4

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	SAMPLE TYPE (C=COMP, G=GRAB)	PRESERVATIVES USED: None	ANALYSIS REQUIRED: Dioxins & Furans by 1613	REMARKS
11	GP-504-3'	3/13/13	1055	SOIL	1	G			
12	GP-504-5'		1100						
13	GP-505-1'		1235					X	
14	GP-505-3'		1240						
15	GP-505-5'		1245						
16	GP-506-1'		1255					X	
17	GP-506-3'		1300						
18	GP-506-5'		1305						
19	GP-507-1'		1320					X	
20	GP-507-3'		1325						

COLLECTED/RELINQUISHED BY: (1)	DATE	TIME	RECEIVED BY:
CHRIS LEE (CA)	3/14/13	1200	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Received For Laboratory By: Barbara Hagy	Date 3/15/13	Time 0945	CoC Seal: (INTACT) BROKEN ABSENT Sample Receipt Temp: C 2.2

REPORT LEVEL: ☐ Level I ☐ Level II ☐ Level IV
REQUESTED TURNAROUND TIME: ☐ Rush:_____ ☒ Standard
SPECIAL DELIVERABLES: State of Origin: WA ☐ Trust Fund
☐ DoD ☐ EDD:_____ Other:_____
SPECIAL INSTRUCTIONS: HOLD ALL SAMPLES FOR FOLLOW-UP ANALYSES. WILL CALL WITH INSTRUCTIONS PENDING RESULTS
Shipping Carrier: Shipping Ticket No: Notes:

SGS-00055 (06/12)

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

White - Retained by Lab
Yellow - Retained by Client

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **SLR** Work Order No.: **A5290**

1. _X_ Shipped
   ___ Hand Delivered

2. _X_ COC Present on Receipt
   ___ No COC
   ___ Additional Transmittal Forms

3. _X_ Custody Tape on Container
   ___ No Custody Tape

4. _X_ Samples Intact
   ___ Samples Broken / Leaking

5. _X_ Chilled on Receipt Actual Temp.(s) in °C: 2.2°
   ___ Ambient on Receipt
   ___ Walk-in on Ice; Coming down to temp.
   ___ ATL

6. _X_ Sufficient Sample Submitted
   ___ Insufficient Sample Submitted

7. ___ Chlorine absent
   ___ HNO3 < 2
   ___ HCL < 2
   ___ Additional Preservatives verified (see notes)

8. _X_ Received Within Holding Time
   ___ Not Received Within Holding Time

9. _X_ No Discrepancies Noted
   ___ Discrepancies Noted
   ___ NCDENR notified of Discrepancies*

10. ___ No Headspace present in VOC vials
    ___ Headspace present in VOC vials >6mm

Notes:

Comments:

Inspected and Logged in by: BAH

Date: Fri-3/15/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

29 APRIL 2013

Chris Kramer
SLR International Corporation
1800 Blankenship Road, Suite 440
West Linn, OR, 97068

Ph.: 503-723-4423
Email: ckramer@slrconsulting.com

Subject: Certificate of Results

Dear Chris;

Attached to this narrative are the analytical results you requested on samples submitted for the determination of polychlorinated dibenzo-*p*-dioxins and dibenzofurans. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen/Nord Door
AP Project #	**A5291**
Analytical Protocol	Method 1613B
No. Samples Submitted	16
No. Samples Analyzed	6 (10 remain on HOLD)
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	15-Mar-2013
Condition Received	good
Temperature upon Receipt (C)	2.2, 0.4
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

QC Annotations:

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

A5291 batch 10817: Samples were taken of hold for analysis at client request, 10 April 2013. Results for those four samples are reported here.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.

Sincerely,

Amy J. Boehm
Senior Project Manager

APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
>	Indicates high recoveries. Shown with the numeric value at the top of the range.[1]
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned.[1]
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.[1]
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

[1]Denotes data qualifiers/attributes whose use will be phased out over time

Sample ID: GP-508-1'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5291	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	9.74 g	Lab Sample ID	A5291_10817_DF_002	Date Extracted:	12-Apr-2013
Date Collected:	13-Mar-2013	% Solids:	79.4 %	QC Batch No:	10817	Date Analyzed:	25-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	12:05:47

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	3.11				ES 2378-TCDD	90.1	
12378-PeCDD	5.06				ES 12378-PeCDD	86.9	
123478-HxCDD	4.25				ES 123478-HxCDD	80.4	
123678-HxCDD	7.88				ES 123678-HxCDD	77.1	
123789-HxCDD	5.72				ES 123789-HxCDD	80.5	
1234678-HpCDD	76.5				ES 1234678-HpCDD	78.5	
OCDD	296				ES OCDD	68.6	
2378-TCDF	15.8				ES 2378-TCDF	82.2	
12378-PeCDF	6.29				ES 12378-PeCDF	88.7	
23478-PeCDF	9.84				ES 23478-PeCDF	82.1	
123478-HxCDF	EMPC		3.36		ES 123478-HxCDF	85	
123678-HxCDF	3.67				ES 123678-HxCDF	87	
234678-HxCDF	4.17				ES 234678-HxCDF	83.9	
123789-HxCDF	ND	0.476			ES 123789-HxCDF	85.1	
1234678-HpCDF	17.2				ES 1234678-HpCDF	80.8	
1234789-HpCDF	EMPC		1.38	J	ES 1234789-HpCDF	80.7	
OCDF	33.1				ES OCDF	69.3	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	105	
Total TCDD	209		216		CS 12347-PeCDD	108	
Total PeCDD	193		193		CS 12346-PeCDF	93.7	
Total HxCDD	196		196		CS 123469-HxCDF	103	
Total HpCDD	143		143		CS 1234689-HpCDF	90.1	
					AS 1368-TCDD	100	
Total TCDF	268		269		AS 1368-TCDF	93.5	
Total PeCDF	103		106				
Total HxCDF	44		49.8				
Total HpCDF	41.7		43.1				
Total PCDD/Fs	**1530**		**1540**				
WHO-2005 TEQs							
TEQ: ND=0	16.5		16.8				
TEQ: ND=DL/2	16.5	0.674	16.9				
TEQ: ND=DL	16.6	1.35	16.9				

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Sample ID: GP-508-3'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5291	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	10.19 g	Lab Sample ID	A5291_10817_DF_003	Date Extracted:	12-Apr-2013
Date Collected:	13-Mar-2013	% Solids:	79.8 %	QC Batch No:	10817	Date Analyzed:	25-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	12:58:24

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	1.64				ES 2378-TCDD	97.7	
12378-PeCDD	9.61				ES 12378-PeCDD	87.7	
123478-HxCDD	10				ES 123478-HxCDD	81.9	
123678-HxCDD	19.3				ES 123678-HxCDD	79.8	
123789-HxCDD	12.8				ES 123789-HxCDD	82.8	
1234678-HpCDD	74				ES 1234678-HpCDD	84.6	
OCDD	88.6				ES OCDD	71.3	
2378-TCDF	6.11				ES 2378-TCDF	90.7	
12378-PeCDF	9.66				ES 12378-PeCDF	88.7	
23478-PeCDF	12.1				ES 23478-PeCDF	83.6	
123478-HxCDF	35				ES 123478-HxCDF	85.5	
123678-HxCDF	24.2				ES 123678-HxCDF	87.6	
234678-HxCDF	12.8				ES 234678-HxCDF	88.9	
123789-HxCDF	ND	0.449			ES 123789-HxCDF	94.5	
1234678-HpCDF	158				ES 1234678-HpCDF	85.5	
1234789-HpCDF	9.56				ES 1234789-HpCDF	91.6	
OCDF	52				ES OCDF	71.7	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	106	
Total TCDD	255		255		CS 12347-PeCDD	97.6	
Total PeCDD	301		305		CS 12346-PeCDF	91	
Total HxCDD	291		291		CS 123469-HxCDF	98.9	
Total HpCDD	143		143		CS 1234689-HpCDF	91.6	
					AS 1368-TCDD	95	
Total TCDF	127		128		AS 1368-TCDF	92	
Total PeCDF	146		147				
Total HxCDF	196		196				
Total HpCDF	193		193				
Total PCDD/Fs	**1790**		**1800**				
WHO-2005 TEQs							
TEQ: ND=0	29.7		29.7				
TEQ: ND=DL/2	29.7	0.581	29.7				
TEQ: ND=DL	29.7	1.16	29.7				

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Sample ID: GP-510-1'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5291	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	11.42 g	Lab Sample ID	A5291_10817_DF_008	Date Extracted:	12-Apr-2013
Date Collected:	13-Mar-2013	% Solids:	92.5 %	QC Batch No:	10817	Date Analyzed:	25-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	13:51:01

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.247			ES 2378-TCDD	88.7	
12378-PeCDD	ND	0.31			ES 12378-PeCDD	82.2	
123478-HxCDD	ND	0.448			ES 123478-HxCDD	82.2	
123678-HxCDD	1.55			J	ES 123678-HxCDD	78.3	
123789-HxCDD	ND	0.452			ES 123789-HxCDD	81.8	
1234678-HpCDD	46.8				ES 1234678-HpCDD	84.8	
OCDD	467				ES OCDD	75.9	
2378-TCDF	ND	0.239			ES 2378-TCDF	88.4	
12378-PeCDF	ND	0.292			ES 12378-PeCDF	88.1	
23478-PeCDF	ND	0.295			ES 23478-PeCDF	85	
123478-HxCDF	ND	0.28			ES 123478-HxCDF	86.6	
123678-HxCDF	ND	0.267			ES 123678-HxCDF	89.4	
234678-HxCDF	ND	0.304			ES 234678-HxCDF	89.4	
123789-HxCDF	ND	0.333			ES 123789-HxCDF	87.5	
1234678-HpCDF	9.91				ES 1234678-HpCDF	80.8	
1234789-HpCDF	ND	0.293			ES 1234789-HpCDF	86	
OCDF	35.4				ES OCDF	76	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	100	
Total TCDD	ND	0.247	ND		CS 12347-PeCDD	95.9	
Total PeCDD	ND	0.31	ND		CS 12346-PeCDF	90.4	
Total HxCDD	2.76		5.29		CS 123469-HxCDF	94.1	
Total HpCDD	74.3		74.3		CS 1234689-HpCDF	93.8	
					AS 1368-TCDD	91.5	
Total TCDF	ND	0.239	ND		AS 1368-TCDF	102	
Total PeCDF	ND		0.345				
Total HxCDF	8.15		8.15				
Total HpCDF	32.5		32.5				
Total PCDD/Fs	**620**		**623**				
WHO-2005 TEQs							
TEQ: ND=0	0.873		0.873				
TEQ: ND=DL/2	1.32	0.472	1.32				
TEQ: ND=DL	1.76	0.944	1.76				

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Sample ID: GP-510-3'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5291	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	10.86 g	Lab Sample ID	A5291_10817_DF_009	Date Extracted:	12-Apr-2013
Date Collected:	13-Mar-2013	% Solids:	87.5 %	QC Batch No:	10817	Date Analyzed:	25-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	14:43:35

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	1.09				ES 2378-TCDD	93.3	
12378-PeCDD	2.2			J	ES 12378-PeCDD	83.2	
123478-HxCDD	1.76			J	ES 123478-HxCDD	83.6	
123678-HxCDD	EMPC		3.19		ES 123678-HxCDD	83.9	
123789-HxCDD	EMPC		2.02	J	ES 123789-HxCDD	87.9	
1234678-HpCDD	44.8				ES 1234678-HpCDD	88.5	
OCDD	246				ES OCDD	80.1	
2378-TCDF	3.42				ES 2378-TCDF	89.8	
12378-PeCDF	1.64			J	ES 12378-PeCDF	85.7	
23478-PeCDF	2.65				ES 23478-PeCDF	78.9	
123478-HxCDF	EMPC		1.15	J	ES 123478-HxCDF	85.9	
123678-HxCDF	EMPC		0.946	J	ES 123678-HxCDF	91.3	
234678-HxCDF	EMPC		1.15	J	ES 234678-HxCDF	88.4	
123789-HxCDF	ND	0.333			ES 123789-HxCDF	89.2	
1234678-HpCDF	8.01				ES 1234678-HpCDF	84.1	
1234789-HpCDF	EMPC		0.51	J	ES 1234789-HpCDF	91.2	
OCDF	13.9				ES OCDF	78.8	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	99.8	
Total TCDD	85.5		86.9		CS 12347-PeCDD	90.7	
Total PeCDD	66.9		67.4		CS 12346-PeCDF	83.4	
Total HxCDD	50.6		56.9		CS 123469-HxCDF	96.8	
Total HpCDD	80.7		80.7		CS 1234689-HpCDF	93.3	
					AS 1368-TCDD	95.6	
Total TCDF	61.9		61.9		AS 1368-TCDF	93.9	
Total PeCDF	28.1		30.1				
Total HxCDF	11.2		15.1				
Total HpCDF	18.7		19.2				
Total PCDD/Fs	**663**		**678**				
WHO-2005 TEQs							
TEQ: ND=0	5.26		6.12				
TEQ: ND=DL/2	5.39	0.611	6.13				
TEQ: ND=DL	5.51	1.22	6.15				

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Sample ID: GP-511-1'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5291	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	11.85 g	Lab Sample ID	A5291_10817_DF_011	Date Extracted:	12-Apr-2013
Date Collected:	13-Mar-2013	% Solids:	92.1 %	QC Batch No:	10817	Date Analyzed:	25-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	15:36:11

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.271			ES 2378-TCDD	87.8	
12378-PeCDD	ND	0.282			ES 12378-PeCDD	80.9	
123478-HxCDD	ND	0.363			ES 123478-HxCDD	77.9	
123678-HxCDD	0.491			J	ES 123678-HxCDD	77.8	
123789-HxCDD	ND	0.372			ES 123789-HxCDD	80.7	
1234678-HpCDD	14.4				ES 1234678-HpCDD	80.5	
OCDD	190				ES OCDD	70.1	
2378-TCDF	ND	0.235			ES 2378-TCDF	83.9	
12378-PeCDF	ND	0.218			ES 12378-PeCDF	84.5	
23478-PeCDF	ND	0.202			ES 23478-PeCDF	84	
123478-HxCDF	ND	0.24			ES 123478-HxCDF	82.6	
123678-HxCDF	ND	0.236			ES 123678-HxCDF	87.5	
234678-HxCDF	ND	0.244			ES 234678-HxCDF	86.3	
123789-HxCDF	ND	0.337			ES 123789-HxCDF	86.5	
1234678-HpCDF	1.68			J	ES 1234678-HpCDF	80.5	
1234789-HpCDF	ND	0.422			ES 1234789-HpCDF	80.7	
OCDF	5.04				ES OCDF	70.8	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	95.6	
Total TCDD	ND	0.271	ND		CS 12347-PeCDD	94	
Total PeCDD	ND	0.282	ND		CS 12346-PeCDF	86.1	
Total HxCDD	1.19		2.7		CS 123469-HxCDF	90.5	
Total HpCDD	26.7		26.7		CS 1234689-HpCDF	86.7	
					AS 1368-TCDD	94.9	
Total TCDF	ND	0.235	ND		AS 1368-TCDF	91.9	
Total PeCDF	ND	0.21	ND				
Total HxCDF	1.66		1.66				
Total HpCDF	4.55		4.55				
Total PCDD/Fs	**230**		**231**				
WHO-2005 TEQs							
TEQ: ND=0	0.268		0.268				
TEQ: ND=DL/2	0.682	0.437	0.682				
TEQ: ND=DL	1.1	0.873	1.1				

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Sample ID: GP-512-1'

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5291	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	8.36 g	Lab Sample ID	A5291_10817_DF_014	Date Extracted:	12-Apr-2013
Date Collected:	14-Mar-2013	% Solids:	68.9 %	QC Batch No:	10817	Date Analyzed:	25-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	16:28:50

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	3.51				ES 2378-TCDD	88.9	
12378-PeCDD	23.8				ES 12378-PeCDD	85.8	
123478-HxCDD	49				ES 123478-HxCDD	82.1	
123678-HxCDD	128				ES 123678-HxCDD	78.5	
123789-HxCDD	96.2				ES 123789-HxCDD	80.1	
1234678-HpCDD	3110				ES 1234678-HpCDD	85.8	
OCDD	27300			E	ES OCDD	78.8	
2378-TCDF	3.11				ES 2378-TCDF	85.3	
12378-PeCDF	4.76				ES 12378-PeCDF	87.7	
23478-PeCDF	10.7				ES 23478-PeCDF	83.6	
123478-HxCDF	23.5				ES 123478-HxCDF	84.8	
123678-HxCDF	27.8				ES 123678-HxCDF	86.6	
234678-HxCDF	40				ES 234678-HxCDF	84	
123789-HxCDF	ND	1.56			ES 123789-HxCDF	87.6	
1234678-HpCDF	641				ES 1234678-HpCDF	81	
1234789-HpCDF	43.3				ES 1234789-HpCDF	84.8	
OCDF	1660				ES OCDF	72.8	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	98.6	
Total TCDD	31.8		33.6		CS 12347-PeCDD	97.7	
Total PeCDD	126		126		CS 12346-PeCDF	91.9	
Total HxCDD	879		879		CS 123469-HxCDF	96.6	
Total HpCDD	5400		5400		CS 1234689-HpCDF	90.2	
					AS 1368-TCDD	93	
Total TCDF	72.2		74.7		AS 1368-TCDF	93	
Total PeCDF	220		220				
Total HxCDF	777		777				
Total HpCDF	1750		1750				
Total PCDD/Fs	**38200**		**38200**				
WHO-2005 TEQs							
TEQ: ND=0	114		114				
TEQ: ND=DL/2	114	0.922	114				
TEQ: ND=DL	114	1.84	114				

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Sample ID: Method Blank A5291

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Solids	Lab Project ID:	A5291	Date Received:	n/a
Project ID:	NORD DOOR	Weight/Volume:	10.00 g	Lab Sample ID	MB1_10817_DF_SDS	Date Extracted:	12-Apr-2013
Date Collected:	n/a	% Solids:	100.0 %	QC Batch No:	10817	Date Analyzed:	25-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	11:13:13

Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.139			ES 2378-TCDD	91.1	
12378-PeCDD	ND	0.172			ES 12378-PeCDD	83.4	
123478-HxCDD	ND	0.193			ES 123478-HxCDD	85.2	
123678-HxCDD	ND	0.199			ES 123678-HxCDD	83.8	
123789-HxCDD	ND	0.201			ES 123789-HxCDD	87.6	
1234678-HpCDD	ND	0.132			ES 1234678-HpCDD	87.5	
OCDD	ND	0.329			ES OCDD	82.4	
2378-TCDF	ND	0.112			ES 2378-TCDF	87.1	
12378-PeCDF	ND	0.0998			ES 12378-PeCDF	82	
23478-PeCDF	ND	0.106			ES 23478-PeCDF	78.7	
123478-HxCDF	ND	0.0981			ES 123478-HxCDF	87.3	
123678-HxCDF	ND	0.0952			ES 123678-HxCDF	91.1	
234678-HxCDF	ND	0.0984			ES 234678-HxCDF	90.6	
123789-HxCDF	ND	0.116			ES 123789-HxCDF	88.5	
1234678-HpCDF	ND	0.134			ES 1234678-HpCDF	86.1	
1234789-HpCDF	ND	0.161			ES 1234789-HpCDF	90.3	
OCDF	ND	0.249			ES OCDF	82.3	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	99.6	
Total TCDD	ND	0.139	ND		CS 12347-PeCDD	90.9	
Total PeCDD	ND	0.172	ND		CS 12346-PeCDF	80.6	
Total HxCDD	ND	0.198	ND		CS 123469-HxCDF	98.1	
Total HpCDD	ND	0.132	ND		CS 1234689-HpCDF	93.9	
					AS 1368-TCDD	95	
Total TCDF	ND	0.112	ND		AS 1368-TCDF	89.8	
Total PeCDF	ND	0.103	ND				
Total HxCDF	ND	0.101	ND				
Total HpCDF	ND	0.147	ND				
Total PCDD/Fs	**ND**		**ND**				
WHO-2005 TEQs							
TEQ: ND=0	0		0				
TEQ: ND=DL/2	0.231	0.231	0.231				
TEQ: ND=DL	0.461	0.461	0.461				

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METHOD 1613B **PCDD/F ONGOING PRECISION AND RECOVERY (OPR)** **FORM 8A**

Lab Name:	SGS Analytical Perspectives		
Initial Calibration:	ICAL: MM1_11012012A_DF_13FEB2013		
Instrument ID:	MM1	GC Column ID:	ZB-5ms
VER Data Filename:	130424P2-02	Analysis Date:	25-APR-2013 09:28:03
Lab ID:	OPR1_10817_DF		

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
2,3,7,8-TCDD	10	10.7	6.7	-	15.8	Y
1,2,3,7,8-PeCDD	50	51.4	35	-	71	Y
1,2,3,4,7,8-HxCDD	50	54	35	-	82	Y
1,2,3,6,7,8-HxCDD	50	55.7	38	-	67	Y
1,2,3,7,8,9-HxCDD	50	49.5	32	-	81	Y
1,2,3,4,6,7,8-HpCDD	50	58.7	35	-	70	Y
OCDD	100	175	78	-	144	N
2,3,7,8-TCDF	10	10.8	7.5	-	15.8	Y
1,2,3,7,8-PeCDF	50	52.5	40	-	67	Y
2,3,4,7,8-PeCDF	50	55.8	34	-	80	Y
1,2,3,4,7,8-HxCDF	50	50.8	36	-	67	Y
1,2,3,6,7,8-HxCDF	50	50.3	42	-	65	Y
2,3,4,6,7,8-HxCDF	50	52.4	35	-	78	Y
1,2,3,7,8,9-HxCDF	50	50.1	39	-	65	Y
1,2,3,4,6,7,8-HpCDF	50	56.2	41	-	61	Y
1,2,3,4,7,8,9-HpCDF	50	51.6	39	-	69	Y
OCDF	100	111	63	-	170	Y

Contract-required concentration limits for OPR as specified in Table 6, Method 1613. 10/94

Processed: 26 Apr 2013 10:48 Analyst: MC

OCDD analyte above M1613 limits, likely due to high level sample in associated batch. Should have no negative impact on reported results. ajb 4/29/13

METHOD 1613B **PCDD/F ONGOING PRECISION AND RECOVERY (OPR)** **FORM 8B**

Lab Name:	SGS Analytical Perspectives		
Initial Calibration:	ICAL: MM1_11012012A_DF_13FEB2013		
Instrument ID:	MM1	GC Column ID:	ZB-5ms
VER Data Filename:	130424P2-02	Analysis Date:	25-APR-2013 09:28:03
Lab ID:	OPR1_10817_DF		

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	90.6	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	84.5	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	82.4	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	82	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	87.2	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	90.1	26	-	166	Y
13C-OCDD	200	176	26	-	397	Y
13C-2,3,7,8-TCDF	100	89.7	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	86.4	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	80.1	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	85.9	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	91	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	91	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	90.3	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	85.6	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	90.9	20	-	186	Y
13C-OCDF	200	172	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	39.9	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6, Method 1613. 10/94

Processed: 26 Apr 2013 10:48 Analyst: MC

Sample Receipt Notification

2714 Exchange Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager:	*Amy Boehm*
Receipt Date & Time:	*15-Mar-13 at 09:55*
AP Project name:	*A5291*
Requested TAT:	*21 days*
Projected due date:	*5-Apr-13*
Matrix:	*Soil*
Phone#:	*910-794-1613*
Email Address:	*Amy.Boehm@sgs.com*

Company Contact:	*Megan Coracci*
Company:	*SLR International Corporation*
Project Name & Site:	*NORD DOOR*
Project PO#:	*108.00228.00026*
QAAP/Contract #:	
Requested Analysis:	~~5/314190+~~ M1613 17+ Hopanes OK
Phone#:	*503.723.4423*
Email Address:	*mcoracci@slrconsulting.com*

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
GP-507-5' - HOLD	A5291_001	SOIL	1	13-Mar-13	13:30	2.2	1	799283838403
GP-508-1'- HOLD	A5291_002	SOIL	1	13-Mar-13	09:30	2.2	1	799283838403
GP-508-3'- HOLD	A5291_003	SOIL	1	13-Mar-13	09:35	2.2	1	799283838403
GP-508-5'- HOLD	A5291_004	SOIL	1	13-Mar-13	09:40	2.2	1	799283838403
GP-509-1'- HOLD	A5291_005	SOIL	1	13-Mar-13	09:55	2.2	1	799283838403
GP-509-3'- HOLD	A5291_006	SOIL	1	13-Mar-13	10:00	2.2	1	799283838403
GP-509-5'- HOLD	A5291_007	SOIL	1	13-Mar-13	10:05	2.2	1	799283838403
GP-510-1'- HOLD	A5291_008	SOIL	1	13-Mar-13	11:35	2.2	1	799283838403
GP-510-3'- HOLD	A5291_009	SOIL	1	13-Mar-13	11:40	2.2	1	799283838403
GP-510-5'- HOLD	A5291_010	SOIL	1	13-Mar-13	11:45	2.2	1	799283838403
GP-511-1'- HOLD	A5291_011	SOIL	1	13-Mar-13	11:10	2.2	1	799283838403
GP-511-3'- HOLD	A5291_012	SOIL	1	13-Mar-13	11:15	2.2	1	799283838403
GP-511-5'- HOLD	A5291_013	SOIL	1	13-Mar-13	11:20	2.2	1	799283838403
GP-512-1'- HOLD	A5291_014	SOIL	1	14-Mar-13	08:20	2.2	1	799283838403
GP-512-3'- HOLD	A5291_015	SOIL	1	14-Mar-13	08:25	2.2	1	799283838403
GP-512-5'- HOLD	A5291_016	SOIL	1	14-Mar-13	08:30	2.2	1	799283838403

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:

Samples received intact
All samples on HOLD until further notice

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager *Logged in by: Barbara Hager* *QC'ed by:* _____

CHAIN OF CUSTODY

SGS ANALYTICAL PERSPECTIVES
5500 Business Drive
Wilmington, NC 28405
+1 910 350 1903
WWW.SGS.COM

CLIENT: SLR INTERNATIONAL CORPORATION
CONTACT: MEGAN CORACCI **PHONE NO:** (503) 723-4423
PROJECT: NORD DOOR **SITE / PWSID / WBS #:**
REPORTS TO: MEGAN CORACCI
EMAIL: mcoracci@slrconsulting.com
INVOICE TO: **QUOTE #**
P.O. NUMBER 108.00728.00026

SGS Reference #: A5291

PAGE 3 **OF** 4

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	SAMPLE TYPE (C=COMP, G=GRAB)	PRESERVATIVES USED: None	ANALYSIS REQUIRED: Dioxins & Furans by 1613B	REMARKS
21	GP-507-5'	3/13/13	1330	SOIL	1	G			
22	GP-508-1'		0930						
23	GP-508-3'		0935						
24	GP-508-5'		0940						
25	GP-509-1'		0955						
26	GP-509-3'		1000						
27	GP-509-5'		1005						
28	GP-510-1'		1135						
29	GP-510-3'		1140						
30	GP-510-5'		1145						

3/15 bl

COLLECTED/RELINQUISHED BY: (1)	DATE	TIME	RECEIVED BY:
CHRIS LEE	3/14/13	1200	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Received For Laboratory By: Barbara Hugh	3/15/13	0955	CoC Seal (INTACT) BROKEN ABSENT Sample Receipt Temp: C 2.2

REPORT LEVEL: ☐ Level I ☐ Level II ☐ Level IV
REQUESTED TURNAROUND TIME: ☐ Rush:_____ ☒ Standard
SPECIAL DELIVERABLES: State of Origin: WA ☐ Trust Fund
☐ DoD ☐ EDD:_____ Other:_____
SPECIAL INSTRUCTIONS: HOLD ALL SAMPLES FOR FOLLOW-UP ANALYSES. WILL CALL WITH INSTRUCTIONS PENDING RESULTS.
Shipping Carrier: **Shipping Ticket No:** **Notes:**

SGS-00055 (06/12)

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

White - Retained by Lab
Yellow - Retained by Client

CHAIN OF CUSTODY

SGS ANALYTICAL PERSPECTIVES
5500 Business Drive
Wilmington, NC 28405
+1 910 350 1903
WWW.SGS.COM

CLIENT: SLR INTERNATIONAL CORPORATION
CONTACT: MEGAN CORACCI **PHONE NO:** (503) 723-4423
PROJECT: NORD DOOR **SITE / PWSID / WBS #:**
REPORTS TO: MEGAN CORACCI
EMAIL: mcoracci@slrconsulting.com
INVOICE TO: MEGAN CORACCI **QUOTE #**
P.O. NUMBER 108.00228.00026

SGS Reference #: AS291

PAGE 4 **OF** 4

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	SAMPLE TYPE (C=COMP G=GRAB)	PRESERVATIVES USED	ANALYSIS REQUIRED: Dioxins & Furans by 1613B	REMARKS
311	GP-511-1'	3/13/13	1110	SOIL	1	G	None		
312	GP-511-3'		1115						
313	GP-511-5'		1120						
314	GP-512-1'	3/14/13	0820						
315	GP-512-3'		0825						
316	GP-512-5'		0830						

COLLECTED/RELINQUISHED BY: (1)	DATE	TIME	RECEIVED BY:
CHRIS LEE	3/14/13	1200	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Received For Laboratory By: Barbara Higgs	3/15/13	0955	CoC Seal (INTACT) BROKEN ABSENT Sample Receipt Temp: C 2.2

REPORT LEVEL: ☐ Level I ☐ Level II ☐ Level IV
REQUESTED TURNAROUND TIME: ☐ Rush:_____ ☒ Standard
SPECIAL DELIVERABLES: State of Origin: WA ☐ Trust Fund
☐ DoD ☐ EDD:_____ Other:_____
SPECIAL INSTRUCTIONS: HOLD ALL SAMPLES FOR FOLLOW-UP ANALYSES. WILL CALL WITH INSTRUCTIONS PENDING RESULTS.
Shipping Carrier:
Shipping Ticket No:
Notes:

SGS-00055 (06/12)

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

White - Retained by Lab
Yellow - Retained by Client

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **SLR** Work Order No.: **A5291**

1. _X_ Shipped
   ___ Hand Delivered

2. _X_ COC Present on Receipt
   ___ No COC
   ___ Additional Transmittal Forms

3. _X_ Custody Tape on Container
   ___ No Custody Tape

4. _X_ Samples Intact
   ___ Samples Broken / Leaking

5. _X_ Chilled on Receipt Actual Temp.(s) in °C: 2.2°
   ___ Ambient on Receipt
   ___ Walk-in on Ice; Coming down to temp.
   ___ ATL

6. _X_ Sufficient Sample Submitted
   ___ Insufficient Sample Submitted

7. ___ Chlorine absent
   ___ HNO3 < 2
   ___ HCL < 2
   ___ Additional Preservatives verified (see notes)

8. _X_ Received Within Holding Time
   ___ Not Received Within Holding Time

9. _X_ No Discrepancies Noted
   ___ Discrepancies Noted
   ___ NCDENR notified of Discrepancies*

10. ___ No Headspace present in VOC vials
    ___ Headspace present in VOC vials >6mm

Notes:

Comments:

Inspected and Logged in by: BAH
Date: Fri-3/15/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

5 APRIL 2013

Chris Kramer
SLR International Corporation
1800 Blankenship Road, Suite 440
West Linn, OR, 97068

Ph.: 503-723-4423
Email: ckramer@slrconsulting.com

Subject: Certificate of Results

Dear Chris;

Attached to this narrative are the analytical results you requested on samples submitted for the determination of polychlorinated dibenzo-*p*-dioxins and dibenzofurans. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen/Nord Door
AP Project #	**A5292**
Analytical Protocol	Method 1613B
No. Samples Submitted	12
No. Samples Analyzed	4 (8 on HOLD)
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	15-Mar-2013
Condition Received	good
Temperature upon Receipt (C)	2.2, 0.4
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

QC Annotations:

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

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Sincerely,

Amy J. Boehm
Senior Project Manager

APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
>	Indicates high recoveries. Shown with the numeric value at the top of the range.[1]
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned.[1]
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.[1]
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

[1]Denotes data qualifiers/attributes whose use will be phased out over time

Sample ID: Method Blank A5292

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Aqueous	Lab Project ID:	A5292	Date Received:	n/a
Project ID:	NORD DOOR	Weight/Volume:	1.00 L	Lab Sample ID	MB1_10738_DF_SPE	Date Extracted:	19-Mar-2013
Date Collected:	n/a	pH:	5	QC Batch No:	10738	Date Analyzed:	23-Mar-2013
		Split:	-	Dilution:	-	Time Analyzed:	04:59:21

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.62			ES 2378-TCDD	84.3	
12378-PeCDD	ND	0.59			ES 12378-PeCDD	81.4	
123478-HxCDD	ND	0.564			ES 123478-HxCDD	80.5	
123678-HxCDD	ND	0.578			ES 123678-HxCDD	76	
123789-HxCDD	ND	0.519			ES 123789-HxCDD	78.9	
1234678-HpCDD	ND	0.528			ES 1234678-HpCDD	80	
OCDD	2.51			J	ES OCDD	68.1	
2378-TCDF	ND	0.508			ES 2378-TCDF	80.1	
12378-PeCDF	ND	0.474			ES 12378-PeCDF	81.9	
23478-PeCDF	ND	0.475			ES 23478-PeCDF	81.8	
123478-HxCDF	ND	0.41			ES 123478-HxCDF	74.8	
123678-HxCDF	ND	0.391			ES 123678-HxCDF	75.2	
234678-HxCDF	ND	0.401			ES 234678-HxCDF	74.4	
123789-HxCDF	ND	0.467			ES 123789-HxCDF	78.6	
1234678-HpCDF	ND	0.413			ES 1234678-HpCDF	70.6	
1234789-HpCDF	ND	0.521			ES 1234789-HpCDF	71.4	
OCDF	ND	0.904			ES OCDF	61.4	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	95.3	
Total TCDD	ND	0.62	ND		CS 12347-PeCDD	93	
Total PeCDD	ND	0.59	ND		CS 12346-PeCDF	88.4	
Total HxCDD	ND	0.552	ND		CS 123469-HxCDF	85.2	
Total HpCDD	1.17		1.17		CS 1234689-HpCDF	79.7	
					AS 1368-TCDD	82	
Total TCDF	ND	0.508	ND		AS 1368-TCDF	77.8	
Total PeCDF	ND	0.474	ND				
Total HxCDF	ND	0.416	ND				
Total HpCDF	ND	0.463	ND				
Total PCDD/Fs	**3.68**		**3.68**				
WHO-2005 TEQs							
TEQ: ND=0	0.000754		0.000754				
TEQ: ND=DL/2	0.883	0.883	0.883				
TEQ: ND=DL	1.77	1.77	1.77				

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Sample ID: GP-501-GW

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Aqueous	Lab Project ID:	A5292	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	0.96 L	Lab Sample ID	A5292_10738_DF_001	Date Extracted:	19-Mar-2013
Date Collected:	14-Mar-2013	pH:	6	QC Batch No:	10738	Date Analyzed:	23-Mar-2013
		Split:	-	Dilution:	-	Time Analyzed:	05:52:00

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	1.66			J	ES 2378-TCDD	71.3	
12378-PeCDD	11.7			J	ES 12378-PeCDD	70.9	
123478-HxCDD	41.7				ES 123478-HxCDD	69.7	
123678-HxCDD	3990				ES 123678-HxCDD	63.4	
123789-HxCDD	237				ES 123789-HxCDD	67.8	
1234678-HpCDD	82100			E	ES 1234678-HpCDD	74.8	
OCDD	742000			E	ES OCDD	64.7	
2378-TCDF	213				ES 2378-TCDF	68.1	
12378-PeCDF	628				ES 12378-PeCDF	70.3	
23478-PeCDF	1730				ES 23478-PeCDF	68.8	
123478-HxCDF	2330				ES 123478-HxCDF	64	
123678-HxCDF	562				ES 123678-HxCDF	63.7	
234678-HxCDF	842				ES 234678-HxCDF	63.5	
123789-HxCDF	ND	11.6			ES 123789-HxCDF	67.1	
1234678-HpCDF	13600				ES 1234678-HpCDF	63.9	
1234789-HpCDF	849				ES 1234789-HpCDF	62.8	
OCDF	28500				ES OCDF	63.1	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	80.6	
Total TCDD	53.6		60.2		CS 12347-PeCDD	80	
Total PeCDD	311		314		CS 12346-PeCDF	76.6	
Total HxCDD	10800		10800		CS 123469-HxCDF	72.5	
Total HpCDD	135000		135000		CS 1234689-HpCDF	73.5	
					AS 1368-TCDD	73.6	
Total TCDF	876		888		AS 1368-TCDF	71.1	
Total PeCDF	10900		10900				
Total HxCDF	39100		39200				
Total HpCDF	52300		52300				
Total PCDD/Fs	**1020000**		**1020000**				
WHO-2005 TEQs							
TEQ: ND=0	2570		2570				
TEQ: ND=DL/2	2570	4.41	2570				
TEQ: ND=DL	2570	8.82	2570				

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Sample ID: GP-502-GW

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Aqueous	Lab Project ID:	A5292	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	0.96 L	Lab Sample ID	A5292_10738_DF_002	Date Extracted:	19-Mar-2013
Date Collected:	14-Mar-2013	pH:	6	QC Batch No:	10738	Date Analyzed:	23-Mar-2013
		Split:	-	Dilution:	-	Time Analyzed:	06:44:37

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.729			ES 2378-TCDD	80.5	
12378-PeCDD	ND	1.01			ES 12378-PeCDD	74.8	
123478-HxCDD	ND	1.26			ES 123478-HxCDD	74.5	
123678-HxCDD	ND	1.39			ES 123678-HxCDD	70.7	
123789-HxCDD	ND	1.24			ES 123789-HxCDD	77.1	
1234678-HpCDD	48.7				ES 1234678-HpCDD	75.9	
OCDD	1110				ES OCDD	65	
2378-TCDF	ND	0.662			ES 2378-TCDF	77.8	
12378-PeCDF	ND	0.661			ES 12378-PeCDF	75.6	
23478-PeCDF	ND	0.703			ES 23478-PeCDF	72.4	
123478-HxCDF	ND	0.876			ES 123478-HxCDF	66.3	
123678-HxCDF	ND	0.853			ES 123678-HxCDF	67.4	
234678-HxCDF	ND	0.89			ES 234678-HxCDF	69.1	
123789-HxCDF	ND	1.03			ES 123789-HxCDF	73	
1234678-HpCDF	7.17			J	ES 1234678-HpCDF	65.6	
1234789-HpCDF	ND	0.852			ES 1234789-HpCDF	65.8	
OCDF	36.9			J	ES OCDF	57.8	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	88.3	
Total TCDD	ND		0.736		CS 12347-PeCDD	74.8	
Total PeCDD	ND	1.01	ND		CS 12346-PeCDF	80.4	
Total HxCDD	8.82		8.82		CS 123469-HxCDF	78.1	
Total HpCDD	105		105		CS 1234689-HpCDF	73.6	
					AS 1368-TCDD	76.4	
Total TCDF	ND	0.662	ND		AS 1368-TCDF	67.8	
Total PeCDF	2.73		2.73				
Total HxCDF	11		16.1				
Total HpCDF	33.7		33.7				
Total PCDD/Fs	**1310**		**1310**				
WHO-2005 TEQs							
TEQ: ND=0	0.903		0.903				
TEQ: ND=DL/2	2.3	1.41	2.3				
TEQ: ND=DL	3.7	2.83	3.7				

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Sample ID: GP-503-GW

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Aqueous	Lab Project ID:	A5292	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	0.97 L	Lab Sample ID	A5292_10738_DF_003	Date Extracted:	19-Mar-2013
Date Collected:	13-Mar-2013	pH:	6	QC Batch No:	10738	Date Analyzed:	23-Mar-2013
		Split:	-	Dilution:	-	Time Analyzed:	07:37:14

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.991			ES 2378-TCDD	89.2	
12378-PeCDD	ND	1.22			ES 12378-PeCDD	85.4	
123478-HxCDD	ND	1.01			ES 123478-HxCDD	86.8	
123678-HxCDD	ND	1.08			ES 123678-HxCDD	81.6	
123789-HxCDD	ND	1.12			ES 123789-HxCDD	86.1	
1234678-HpCDD	27				ES 1234678-HpCDD	86.6	
OCDD	294				ES OCDD	76.3	
2378-TCDF	ND	0.836			ES 2378-TCDF	84.4	
12378-PeCDF	ND	0.879			ES 12378-PeCDF	84.1	
23478-PeCDF	ND	0.857			ES 23478-PeCDF	82.5	
123478-HxCDF	ND	0.813			ES 123478-HxCDF	78.4	
123678-HxCDF	ND	0.795			ES 123678-HxCDF	78.8	
234678-HxCDF	ND	0.883			ES 234678-HxCDF	78.6	
123789-HxCDF	ND	0.972			ES 123789-HxCDF	80.7	
1234678-HpCDF	EMPC		4.48	J	ES 1234678-HpCDF	77.9	
1234789-HpCDF	ND	0.913			ES 1234789-HpCDF	76.3	
OCDF	21.6			J	ES OCDF	67.3	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	101	
Total TCDD	ND	0.991	ND		CS 12347-PeCDD	95	
Total PeCDD	ND	1.22	ND		CS 12346-PeCDF	91.4	
Total HxCDD	ND	1.07	ND		CS 123469-HxCDF	87.4	
Total HpCDD	45.1		45.1		CS 1234689-HpCDF	84.9	
					AS 1368-TCDD	86.6	
Total TCDF	ND	0.836	ND		AS 1368-TCDF	83.7	
Total PeCDF	ND	0.868	ND				
Total HxCDF	2.57		2.57				
Total HpCDF	12.3		16.7				
Total PCDD/Fs	**375**		**380**				
WHO-2005 TEQs							
TEQ: ND=0	0.364		0.409				
TEQ: ND=DL/2	2	1.64	2.04				
TEQ: ND=DL	3.63	3.28	3.66				

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Sample ID: GP-504-GW

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Aqueous	Lab Project ID:	A5292	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	0.95 L	Lab Sample ID	A5292_10738_DF_004	Date Extracted:	19-Mar-2013
Date Collected:	13-Mar-2013	pH:	6	QC Batch No:	10738	Date Analyzed:	23-Mar-2013
		Split:	-	Dilution:	-	Time Analyzed:	08:29:50

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.703			ES 2378-TCDD	87.5	
12378-PeCDD	ND	0.696			ES 12378-PeCDD	88.9	
123478-HxCDD	EMPC		0.758	J	ES 123478-HxCDD	81.9	
123678-HxCDD	4.4			J	ES 123678-HxCDD	75.2	
123789-HxCDD	EMPC		1.4	J	ES 123789-HxCDD	81.1	
1234678-HpCDD	219				ES 1234678-HpCDD	81.3	
OCDD	2000				ES OCDD	74.1	
2378-TCDF	ND	0.563			ES 2378-TCDF	86.5	
12378-PeCDF	ND	0.577			ES 12378-PeCDF	83.8	
23478-PeCDF	ND	0.575			ES 23478-PeCDF	82.1	
123478-HxCDF	0.885			J	ES 123478-HxCDF	71.8	
123678-HxCDF	ND	0.598			ES 123678-HxCDF	74.9	
234678-HxCDF	ND	0.685			ES 234678-HxCDF	72.6	
123789-HxCDF	ND	0.739			ES 123789-HxCDF	74.8	
1234678-HpCDF	19.7			J	ES 1234678-HpCDF	70.3	
1234789-HpCDF	3.07			J	ES 1234789-HpCDF	71.7	
OCDF	156				ES OCDF	64.9	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	99.1	
Total TCDD	3.29		3.29		CS 12347-PeCDD	98.3	
Total PeCDD	1.79		3.11		CS 12346-PeCDF	88.2	
Total HxCDD	4.4		20.8		CS 123469-HxCDF	83.9	
Total HpCDD	308		308		CS 1234689-HpCDF	76.6	
					AS 1368-TCDD	92.3	
Total TCDF	ND	0.563	ND		AS 1368-TCDF	82.2	
Total PeCDF	ND	0.576	ND				
Total HxCDF	14.4		15.2				
Total HpCDF	105		105				
Total PCDD/Fs	**2590**		**2610**				
WHO-2005 TEQs							
TEQ: ND=0	3.59		3.81				
TEQ: ND=DL/2	4.59	1.08	4.73				
TEQ: ND=DL	5.58	2.16	5.66				

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METHOD 1613B **PCDD/F ONGOING PRECISION AND RECOVERY (OPR)** **FORM 8A**

Lab Name:	SGS Analytical Perspectives		
Initial Calibration:	ICAL: MM1_11012012A_DF_13FEB2013		
Instrument ID:	MM1	GC Column ID:	ZB-5ms
VER Data Filename:	130322P3-02	Analysis Date:	23-MAR-2013 03:14:06
Lab ID:	OPR1_10738_DF		

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
2,3,7,8-TCDD	10	9.87	6.7	-	15.8	Y
1,2,3,7,8-PeCDD	50	51.8	35	-	71	Y
1,2,3,4,7,8-HxCDD	50	52.9	35	-	82	Y
1,2,3,6,7,8-HxCDD	50	54.6	38	-	67	Y
1,2,3,7,8,9-HxCDD	50	48.9	32	-	81	Y
1,2,3,4,6,7,8-HpCDD	50	50	35	-	70	Y
OCDD	100	103	78	-	144	Y
2,3,7,8-TCDF	10	10.4	7.5	-	15.8	Y
1,2,3,7,8-PeCDF	50	51.3	40	-	67	Y
2,3,4,7,8-PeCDF	50	53.5	34	-	80	Y
1,2,3,4,7,8-HxCDF	50	50.2	36	-	67	Y
1,2,3,6,7,8-HxCDF	50	49.1	42	-	65	Y
2,3,4,6,7,8-HxCDF	50	51	35	-	78	Y
1,2,3,7,8,9-HxCDF	50	50.1	39	-	65	Y
1,2,3,4,6,7,8-HpCDF	50	53.3	41	-	61	Y
1,2,3,4,7,8,9-HpCDF	50	51.5	39	-	69	Y
OCDF	100	108	63	-	170	Y

Contract-required concentration limits for OPR as specified in Table 6,
Method 1613. 10/94

Processed: 24 Mar 2013 09:55 Analyst: MC

METHOD 1613B **PCDD/F ONGOING PRECISION AND RECOVERY (OPR)** **FORM 8B**

Lab Name:	SGS Analytical Perspectives		
Initial Calibration:	ICAL: MM1_11012012A_DF_13FEB2013		
Instrument ID:	MM1	GC Column ID:	ZB-5ms
VER Data Filename:	130322P3-02	Analysis Date:	23-MAR-2013 03:14:06
Lab ID:	OPR1_10738_DF		

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	92	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	89.3	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	82.7	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	76.6	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	82.2	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	81.2	26	-	166	Y
13C-OCDD	200	145	26	-	397	Y
13C-2,3,7,8-TCDF	100	85.9	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	88.1	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	85.7	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	76.4	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	77.9	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	76.6	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	79.2	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	74.2	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	71.8	20	-	186	Y
13C-OCDF	200	129	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	40.5	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
Method 1613. 10/94

Processed: 24 Mar 2013 09:55 Analyst: MC

Sample Receipt Notification

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Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager:	*Amy Boehm*
Receipt Date & Time:	*15-Mar-13 at 09:55*
AP Project name:	*A5292*
Requested TAT:	*21 days*
Projected due date:	*5-Apr-13*
Matrix:	*Aqueous*
Phone#:	*910-794-1613*
Email Address:	*Amy.Boehm@sgs.com*

Company Contact:	*Megan Coracci*
Company:	*SLR International Corporation*
Project Name & Site:	*NORD DOOR*
Project PO#:	*108.00228.00026*
QAAP/Contract #:	
Requested Analysis:	8260B 17+ Homologs (ODR)
Phone#:	*503.723.4423*
Email Address:	*mcoracci@slrconsulting.com*

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
GP-501-GW	A5292_001	Water	1	14-Mar-13	09:00	2.2, 0.4	1, 2	799283838550, 799283838848
GP-502-GW	A5292_002	Water	1	14-Mar-13	09:30	2.2, 0.4	1, 2	799283838550, 799283838848
GP-503-GW	A5292_003	Water	2	13-Mar-13	12:30	2.2, 0.4	1, 2	799283838550, 799283838848
GP-504-GW	A5292_004	Water	2	13-Mar-13	11:00	2.2, 0.4	1, 2	799283838550, 799283838848
GP-505-GW - HOLD	A5292_005	Water	2	13-Mar-13	12:50	2.2, 0.4	1, 2	799283838550, 799283838848
GP-506-GW - HOLD	A5292_006	Water	2	13-Mar-13	13:10	2.2, 0.4	1, 2	799283838550, 799283838848
GP-507-GW - HOLD	A5292_007	Water	2	13-Mar-13	13:40	2.2, 0.4	1, 2	799283838550, 799283838848
GP-508-GW - HOLD	A5292_008	Water	2	13-Mar-13	09:35	2.2, 0.4	1, 2	799283838550, 799283838848
GP-509-GW - HOLD	A5292_009	Water	2	13-Mar-13	10:10	2.2, 0.4	1, 2	799283838550, 799283838848
GP-510-GW - HOLD	A5292_010	Water	2	13-Mar-13	11:45	2.2, 0.4	1, 2	799283838550, 799283838848
GP-511-GW - HOLD	A5292_011	Water	2	13-Mar-13	11:20	2.2, 0.4	1, 2	799283838550, 799283838848
GP-512-GW - HOLD	A5292_012	Water	2	14-Mar-13	08:30	2.2, 0.4	1, 2	799283838550, 799283838848

Preservation Type: Ice - Good Condition+Ice - **Sample Seals:** No

Notes/Comments:
Samples received intact
Samples 5 through 12 are on hold until further notice.
Sample IDs updated per client request, see email
1 liter of GP-501 and 1 liter of GP-502 rec'd broken.
Samples need to have sediment settled to the bottom and water decanted off for analysis

Allow H_2O to settle thoroughly. Decant off H_2O carefully so as not to disturb any DM. 3/19/13

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager *Logged in by: Barbara Hager* *QC'ed by:*

SGS Analytical Perspectives

CHAIN OF CUSTODY

SGS ANALYTICAL PERSPECTIVES
5500 Business Drive
Wilmington, NC 28405
+1 910 350 1903
WWW.SGS.COM

CLIENT: SLR INTERNATIONAL CORROBATION
CONTACT: MEGAN CORACCI **PHONE NO:** (503) 723-4423
PROJECT: NORD DOOR **SITE / PWSID / WBS #:**
REPORTS TO: MEGAN CORACCI
EMAIL: mcoracci@slrconsulting.com
INVOICE TO: **QUOTE #**
P.O. NUMBER 108.00228-00026

SGS Reference #: AS292

PAGE 1 **OF** 2

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	SAMPLE TYPE (C=COMP, G=GRAB)	PRESERVATIVES USED: None	ANALYSIS REQUIRED: Dissolved Solids by 160.1	REMARKS
	GP-501-P-GW	3/14/13	0900	WATER	2	G		X	
	GP-502-P-GW	↓	0930	↓	↓	↓		X	
	GP-503-P-GW	3/13/13	1230					X	
	GP-504-P-GW		1100					X	
	GP-505-P-GW		1250						
	GP-506-P-GW		1310						
	GP-507-P-GW		1340						
	GP-508-P-GW		0935						
	GP-509-P-GW		1010						
	GP-510-P-GW	↓	1145	↓	↓	↓			

COLLECTED/RELINQUISHED BY: (1)	DATE	TIME	RECEIVED BY:
CHRIS LEE	3/14/13	1200	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Received For Laboratory By: Barbara Hagy	Date 3/15/13	Time 0955	CoC Seal: (INTACT) BROKEN ABSENT Sample Receipt Temp: c 2.2 0.4

REPORT LEVEL: ☐ Level I ☐ Level II ☐ Level IV
REQUESTED TURNAROUND TIME: ☐ Rush:_____ ☒ Standard
SPECIAL DELIVERABLES: State of Origin: WA ☐ Trust Fund
☐ DoD ☐ EDD:_____ Other:_____
SPECIAL INSTRUCTIONS: HOLD ALL SAMPLES FOR FOLLOW-UP ANALYSES. WILL CALL WITH INSTRUCTIONS PENDING RESULTS.
Shipping Carrier:
Shipping Ticket No:
Notes: -P from DD's per SLR CJS 3/13/13

SGS-00055 (06/12)

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

White - Retained by Lab
Yellow - Retained by Client

CHAIN OF CUSTODY

SGS ANALYTICAL PERSPECTIVES
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Wilmington, NC 28405
+1 910 350 1903
WWW.SGS.COM

CLIENT: SLR INTERNATIONAL CORPORATION
CONTACT: MEGAN CORACCI **PHONE NO:** (503) 723-4423
PROJECT: NORD DOOR **SITE / PWSID / WBS #:**
REPORTS TO: MEGAN CORACCI
EMAIL: mcoracci@slrconsulting.com
INVOICE TO: **QUOTE #**
P.O. NUMBER 105.00228.00026

SGS Reference #: AS292

PAGE 2 **OF** 2

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	SAMPLE TYPE (C= COMP, G= GRAB)	PRESERVATIVES USED	ANALYSIS REQUIRED: Dioxins & Furans by 1613B	ANALYSIS REQUIRED: Normal	REMARKS
	GP-511-P-GW	3/13/13	1120	WATER	2	G				
	GP-512-P-GW	3/14/13	0830	↓	↓	↓				

COLLECTED/RELINQUISHED BY: (1)	DATE	TIME	RECEIVED BY:
CHRIS LEE	3/14/13	1200	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Received For Laboratory By: Barbara Hagy	3/15/13	0945	CoC Seal: INTACT BROKEN ABSENT Sample Receipt Temp: 2.2, 0.4

REPORT LEVEL: ☐ Level I ☐ Level II ☐ Level IV
REQUESTED TURNAROUND TIME: ☐ Rush:_____ ☒ Standard
SPECIAL DELIVERABLES: State of Origin: WA ☐ Trust Fund
☐ DoD ☐ EDD:_____ Other:_____
SPECIAL INSTRUCTIONS: HOLD ALL SAMPLES FOR FOLLOW-UP ANALYSES. WILL CALL WITH INSTRUCTIONS PENDING RESULTS
Shipping Carrier:
Shipping Ticket No:
Notes: 'P' for IDs per SLR. BH 3/18/13

SGS-00055 (06/12)

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

White - Retained by Lab
Yellow - Retained by Client

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **SLR** Work Order No.: **A5292**

1. _X_ Shipped
   ___ Hand Delivered

2. _X_ COC Present on Receipt
   ___ No COC
   ___ Additional Transmittal Forms

3. _X_ Custody Tape on Container
   ___ No Custody Tape

4. _X_ Samples Intact
   ___ Samples Broken / Leaking

5. _X_ Chilled on Receipt Actual Temp.(s) in °C: 2.2°, 0.4
   ___ Ambient on Receipt
   ___ Walk-in on Ice; Coming down to temp.
   ___ ATL

6. _X_ Sufficient Sample Submitted
   ___ Insufficient Sample Submitted

7. ___ Chlorine absent
   ___ HNO3 < 2
   ___ HCL < 2
   ___ Additional Preservatives verified (see notes)

8. _X_ Received Within Holding Time
   ___ Not Received Within Holding Time

9. _X_ No Discrepancies Noted
   ___ Discrepancies Noted
   ___ NCDENR notified of Discrepancies*

10. ___ No Headspace present in VOC vials
    ___ Headspace present in VOC vials >6mm

Notes:

Comments:

Inspected and Logged in by: BAH
Date: Fri-3/15/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

26 APRIL 2013

Chris Kramer
SLR International Corporation
1800 Blankenship Road, Suite 440
West Linn, OR, 97068

Ph.: 503-723-4423
Email: ckramer@slrconsulting.com

Subject: Certificate of Results

Dear Chris;

Attached to this narrative are the analytical results you requested on samples submitted for the determination of polychlorinated dibenzo-*p*-dioxins and dibenzofurans. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen/Nord Door
AP Project #	**A5292_10828**
Analytical Protocol	Method 1613B
No. Samples Submitted	12
No. Samples Analyzed	3 (4 previously reported, 5 remain on HOLD)
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	15-Mar-2013
Condition Received	good
Temperature upon Receipt (C)	2.2, 0.4
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

QC Annotations:

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

A5292 batch 10828: Samples were taken of hold for analysis at client request, 10 April 2013. Results for those three samples are reported here.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.

Sincerely,

Amy J. Boehm
Senior Project Manager

APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
>	Indicates high recoveries. Shown with the numeric value at the top of the range.[1]
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned.[1]
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.[1]
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

[1]Denotes data qualifiers/attributes whose use will be phased out over time

Sample ID: GP-505-GW

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Aqueous	Lab Project ID:	A5292	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	0.97 L	Lab Sample ID	A5292_10828_DF_005	Date Extracted:	12-Apr-2013
Date Collected:	13-Mar-2013	pH:	5	QC Batch No:	10828	Date Analyzed:	23-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	10:50:42

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	2.43			ES 2378-TCDD	91.5	
12378-PeCDD	ND	3.22			ES 12378-PeCDD	83.6	
123478-HxCDD	ND	3.11			ES 123478-HxCDD	78.3	
123678-HxCDD	ND	3.28			ES 123678-HxCDD	75.9	
123789-HxCDD	ND	3.12			ES 123789-HxCDD	77.2	
1234678-HpCDD	20.8			J	ES 1234678-HpCDD	74.7	
OCDD	219				ES OCDD	61.4	
2378-TCDF	ND	2.07			ES 2378-TCDF	85	
12378-PeCDF	ND	1.87			ES 12378-PeCDF	85.8	
23478-PeCDF	ND	1.72			ES 23478-PeCDF	83.1	
123478-HxCDF	ND	2.07			ES 123478-HxCDF	78.4	
123678-HxCDF	ND	2			ES 123678-HxCDF	81.3	
234678-HxCDF	ND	2.23			ES 234678-HxCDF	79.4	
123789-HxCDF	ND	2.11			ES 123789-HxCDF	81.2	
1234678-HpCDF	ND	2.63			ES 1234678-HpCDF	72.9	
1234789-HpCDF	ND	2.89			ES 1234789-HpCDF	75.6	
OCDF	8.69			J	ES OCDF	60.7	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	106	
Total TCDD	ND	2.43	ND		CS 12347-PeCDD	96.8	
Total PeCDD	ND	3.22	ND		CS 12346-PeCDF	93.3	
Total HxCDD	ND	3.17	ND		CS 123469-HxCDF	95.5	
Total HpCDD	34.5		34.5		CS 1234689-HpCDF	80.6	
					AS 1368-TCDD	94	
Total TCDF	ND	2.07	ND		AS 1368-TCDF	90.9	
Total PeCDF	ND	1.8	ND				
Total HxCDF	ND	2.1	ND				
Total HpCDF	4.34		4.34				
Total PCDD/Fs	**266**		**266**				
WHO-2005 TEQs							
TEQ: ND=0	0.276		0.276				
TEQ: ND=DL/2	4.42	4.16	4.42				
TEQ: ND=DL	8.56	8.32	8.56				

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Sample ID: GP-508-GW

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Aqueous	Lab Project ID:	A5292	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	0.91 L	Lab Sample ID	A5292_10828_DF_008	Date Extracted:	12-Apr-2013
Date Collected:	13-Mar-2013	pH:	5	QC Batch No:	10828	Date Analyzed:	23-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	11:43:20

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	4.31			ES 2378-TCDD	86.6	
12378-PeCDD	ND	4.22			ES 12378-PeCDD	78.1	
123478-HxCDD	ND	5.73			ES 123478-HxCDD	79.2	
123678-HxCDD	ND	6.1			ES 123678-HxCDD	74.1	
123789-HxCDD	ND	5.55			ES 123789-HxCDD	80.5	
1234678-HpCDD	9.14			J	ES 1234678-HpCDD	77	
OCDD	119				ES OCDD	67.2	
2378-TCDF	ND	2.74			ES 2378-TCDF	85.1	
12378-PeCDF	ND	2.76			ES 12378-PeCDF	87	
23478-PeCDF	ND	2.68			ES 23478-PeCDF	82.7	
123478-HxCDF	ND	2.83			ES 123478-HxCDF	81.4	
123678-HxCDF	ND	2.69			ES 123678-HxCDF	83.3	
234678-HxCDF	ND	3.2			ES 234678-HxCDF	83.1	
123789-HxCDF	ND	3.58			ES 123789-HxCDF	80.6	
1234678-HpCDF	ND	3.05			ES 1234678-HpCDF	74.4	
1234789-HpCDF	ND	3.83			ES 1234789-HpCDF	77.5	
OCDF	ND	6.17			ES OCDF	65.2	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	97.6	
Total TCDD	ND	4.31	ND		CS 12347-PeCDD	95.3	
Total PeCDD	ND	4.22	ND		CS 12346-PeCDF	91.6	
Total HxCDD	ND	5.77	ND		CS 123469-HxCDF	94.5	
Total HpCDD	18.4		18.4		CS 1234689-HpCDF	84.9	
					AS 1368-TCDD	91.8	
Total TCDF	ND	2.74	ND		AS 1368-TCDF	94.3	
Total PeCDF	ND	2.72	ND				
Total HxCDF	ND	3.05	ND				
Total HpCDF	ND	3.42	ND				
Total PCDD/Fs	**137**		**137**				
WHO-2005 TEQs							
TEQ: ND=0	0.127		0.127				
TEQ: ND=DL/2	6.49	6.39	6.49				
TEQ: ND=DL	12.9	12.8	12.9				

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Sample ID: GP-510-GW

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Aqueous	Lab Project ID:	A5292	Date Received:	15-Mar-2013
Project ID:	NORD DOOR	Weight/Volume:	0.97 L	Lab Sample ID	A5292_10828_DF_010	Date Extracted:	12-Apr-2013
Date Collected:	13-Mar-2013	pH:	5	QC Batch No:	10828	Date Analyzed:	23-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	12:35:57

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	1.98			ES 2378-TCDD	91.7	
12378-PeCDD	ND	3			ES 12378-PeCDD	84.9	
123478-HxCDD	ND	3.08			ES 123478-HxCDD	77.2	
123678-HxCDD	ND	3.18			ES 123678-HxCDD	76	
123789-HxCDD	ND	3.18			ES 123789-HxCDD	81.1	
1234678-HpCDD	EMPC		8.83	J	ES 1234678-HpCDD	76.3	
OCDD	185				ES OCDD	68.9	
2378-TCDF	ND	1.97			ES 2378-TCDF	88.7	
12378-PeCDF	ND	1.77			ES 12378-PeCDF	88.2	
23478-PeCDF	ND	1.85			ES 23478-PeCDF	85.9	
123478-HxCDF	ND	1.61			ES 123478-HxCDF	80.8	
123678-HxCDF	ND	1.46			ES 123678-HxCDF	82.1	
234678-HxCDF	ND	1.56			ES 234678-HxCDF	83.8	
123789-HxCDF	ND	1.88			ES 123789-HxCDF	82.6	
1234678-HpCDF	ND	1.57			ES 1234678-HpCDF	75.4	
1234789-HpCDF	ND	1.93			ES 1234789-HpCDF	80.7	
OCDF	7.7			J	ES OCDF	67.3	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	104	
Total TCDD	ND	1.98	ND		CS 12347-PeCDD	97.2	
Total PeCDD	ND	3	ND		CS 12346-PeCDF	90.7	
Total HxCDD	ND	3.14	ND		CS 123469-HxCDF	95	
Total HpCDD	8.93		17.8		CS 1234689-HpCDF	87.7	
					AS 1368-TCDD	94.4	
Total TCDF	ND	1.97	ND		AS 1368-TCDF	96	
Total PeCDF	ND	1.81	ND				
Total HxCDF	ND	1.62	ND				
Total HpCDF	ND	1.74	ND				
Total PCDD/Fs	**201**		**210**				
WHO-2005 TEQs							
TEQ: ND=0	0.0577		0.146				
TEQ: ND=DL/2	3.78	3.72	3.85				
TEQ: ND=DL	7.5	7.45	7.56				

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Sample ID: Method Blank A5292

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corporation	Matrix:	Aqueous	Lab Project ID:	A5292	Date Received:	n/a
Project ID:	NORD DOOR	Weight/Volume:	1.00 L	Lab Sample ID	MB1_10828_DF_SPE	Date Extracted:	12-Apr-2013
Date Collected:	n/a	pH:	5	QC Batch No:	10828	Date Analyzed:	23-Apr-2013
		Split:	-	Dilution:	-	Time Analyzed:	09:58:03

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	2.42			ES 2378-TCDD	94.1	
12378-PeCDD	ND	3.7			ES 12378-PeCDD	86.5	
123478-HxCDD	ND	3.8			ES 123478-HxCDD	84.8	
123678-HxCDD	ND	3.87			ES 123678-HxCDD	82.9	
123789-HxCDD	ND	3.86			ES 123789-HxCDD	85.8	
1234678-HpCDD	ND	3.16			ES 1234678-HpCDD	80	
OCDD	ND	6.96			ES OCDD	67.8	
2378-TCDF	ND	2.54			ES 2378-TCDF	83.4	
12378-PeCDF	ND	2.38			ES 12378-PeCDF	86.3	
23478-PeCDF	ND	2.36			ES 23478-PeCDF	82.7	
123478-HxCDF	ND	1.78			ES 123478-HxCDF	86.3	
123678-HxCDF	ND	1.87			ES 123678-HxCDF	88.9	
234678-HxCDF	ND	1.97			ES 234678-HxCDF	87.9	
123789-HxCDF	ND	2.32			ES 123789-HxCDF	87.1	
1234678-HpCDF	ND	2.21			ES 1234678-HpCDF	79.6	
1234789-HpCDF	ND	2.48			ES 1234789-HpCDF	79.4	
OCDF	ND	5.75			ES OCDF	65	
Totals					**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	104	
Total TCDD	ND	2.42	ND		CS 12347-PeCDD	93.7	
Total PeCDD	ND	3.7	ND		CS 12346-PeCDF	92.4	
Total HxCDD	ND	3.84	ND		CS 123469-HxCDF	97.2	
Total HpCDD	ND	3.16	ND		CS 1234689-HpCDF	85.9	
					AS 1368-TCDD	90.6	
Total TCDF	ND	2.54	ND		AS 1368-TCDF	90.3	
Total PeCDF	ND	2.37	ND				
Total HxCDF	ND	1.97	ND				
Total HpCDF	ND	2.34	ND				
Total PCDD/Fs	**ND**		**ND**				
WHO-2005 TEQs							
TEQ: ND=0	0		0				
TEQ: ND=DL/2	4.59	4.59	4.59				
TEQ: ND=DL	9.19	9.19	9.19				

2714 Exchange Drive
Wilmington, NC 28405 , USA
www.us.sgs.com
Tel: +1 910 794-1613; Toll-Free 866 846-8290; Fax: +1 910 794-3919

METHOD 1613B **PCDD/F ONGOING PRECISION AND RECOVERY (OPR)** **FORM 8A**

Lab Name:	SGS Analytical Perspectives		
Initial Calibration:	ICAL: MM1_11012012A_DF_13FEB2013		
Instrument ID:	MM1	GC Column ID:	ZB-5ms
VER Data Filename:	130422P2-02	Analysis Date:	23-APR-2013 08:12:59
Lab ID:	OPR1_10828_DF		

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
2,3,7,8-TCDD	10	10.4	6.7	-	15.8	Y
1,2,3,7,8-PeCDD	50	52.2	35	-	71	Y
1,2,3,4,7,8-HxCDD	50	53.7	35	-	82	Y
1,2,3,6,7,8-HxCDD	50	54.9	38	-	67	Y
1,2,3,7,8,9-HxCDD	50	49.1	32	-	81	Y
1,2,3,4,6,7,8-HpCDD	50	50.9	35	-	70	Y
OCDD	100	107	78	-	144	Y
2,3,7,8-TCDF	10	10.7	7.5	-	15.8	Y
1,2,3,7,8-PeCDF	50	54	40	-	67	Y
2,3,4,7,8-PeCDF	50	54.8	34	-	80	Y
1,2,3,4,7,8-HxCDF	50	50.2	36	-	67	Y
1,2,3,6,7,8-HxCDF	50	50.5	42	-	65	Y
2,3,4,6,7,8-HxCDF	50	53.4	35	-	78	Y
1,2,3,7,8,9-HxCDF	50	50	39	-	65	Y
1,2,3,4,6,7,8-HpCDF	50	54.1	41	-	61	Y
1,2,3,4,7,8,9-HpCDF	50	52.1	39	-	69	Y
OCDF	100	110	63	-	170	Y

Contract-required concentration limits for OPR as specified in Table 6,
Method 1613. 10/94

Processed: 25 Apr 2013 13:04 Analyst: MC

METHOD 1613B **PCDD/F ONGOING PRECISION AND RECOVERY (OPR)** **FORM 8B**

Lab Name:	SGS Analytical Perspectives		
Initial Calibration:	ICAL: MM1_11012012A_DF_13FEB2013		
Instrument ID:	MM1	GC Column ID:	ZB-5ms
VER Data Filename:	130422P2-02	Analysis Date:	23-APR-2013 08:12:59
Lab ID:	OPR1_10828_DF		

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	91.5	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	85.6	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	82.7	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	81	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	84.7	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	83.1	26	-	166	Y
13C-OCDD	200	151	26	-	397	Y
13C-2,3,7,8-TCDF	100	89.8	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	85.6	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	85.4	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	85.8	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	87.2	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	84.8	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	87.5	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	80.3	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	83.3	20	-	186	Y
13C-OCDF	200	150	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	41.9	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
Method 1613. 10/94

Processed: 25 Apr 2013 13:04 Analyst: MC

Sample Receipt Notification

2714 Exchange Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager:	*Amy Boehm*
Receipt Date & Time:	*15-Mar-13 at 09:55*
AP Project name:	*A5292*
Requested TAT:	*21 days*
Projected due date:	*5-Apr-13*
Matrix:	*Aqueous*
Phone#:	*910-794-1613*
Email Address:	*Amy.Boehm@sgs.com*

Company Contact:	*Megan Coracci*
Company:	*SLR International Corporation*
Project Name & Site:	*NORD DOOR*
Project PO#:	*108.00228.00026*
QAAP/Contract #:	
Requested Analysis:	8260 17+ Homologs (DPE)
Phone#:	*503.723.4423*
Email Address:	*mcoracci@slrconsulting.com*

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
GP-501-GW	A5292_001	Water	1	14-Mar-13	09:00	2.2, 0.4	1, 2	799283838550, 799283838848
GP-502-GW	A5292_002	Water	1	14-Mar-13	09:30	2.2, 0.4	1, 2	799283838550, 799283838848
GP-503-GW	A5292_003	Water	2	13-Mar-13	12:30	2.2, 0.4	1, 2	799283838550, 799283838848
GP-504-GW	A5292_004	Water	2	13-Mar-13	11:00	2.2, 0.4	1, 2	799283838550, 799283838848
GP-505-GW - HOLD	A5292_005	Water	2	13-Mar-13	12:50	2.2, 0.4	1, 2	799283838550, 799283838848
GP-506-GW - HOLD	A5292_006	Water	2	13-Mar-13	13:10	2.2, 0.4	1, 2	799283838550, 799283838848
GP-507-GW - HOLD	A5292_007	Water	2	13-Mar-13	13:40	2.2, 0.4	1, 2	799283838550, 799283838848
GP-508-GW - HOLD	A5292_008	Water	2	13-Mar-13	09:35	2.2, 0.4	1, 2	799283838550, 799283838848
GP-509-GW - HOLD	A5292_009	Water	2	13-Mar-13	10:10	2.2, 0.4	1, 2	799283838550, 799283838848
GP-510-GW - HOLD	A5292_010	Water	2	13-Mar-13	11:45	2.2, 0.4	1, 2	799283838550, 799283838848
GP-511-GW - HOLD	A5292_011	Water	2	13-Mar-13	11:20	2.2, 0.4	1, 2	799283838550, 799283838848
GP-512-GW - HOLD	A5292_012	Water	2	14-Mar-13	08:30	2.2, 0.4	1, 2	799283838550, 799283838848

Preservation Type: Ice - Good Condition+Ice - **Sample Seals:** No

Notes/Comments:
Samples received intact
Samples 5 through 12 are on hold until further notice.
Sample IDs updated per client request, see email
1 liter of GP-501 and 1 liter of GP-502 rec'd broken.
Samples need to have sediment settled to the bottom and water decanted off for analysis.

Allow H_2O to settle thoroughly. Decant off H_2O carefully so as not to disturb any DNAPL. 3/19/13

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager

Logged in by: Barbara Hager

QC'ed by:

SGS Analytical Perspectives

CHAIN OF CUSTODY

SGS ANALYTICAL PERSPECTIVES
5500 Business Drive
Wilmington, NC 28405
+1 910 350 1903
WWW.SGS.COM

CLIENT: SLR INTERNATIONAL CORROBATION
CONTACT: MEGAN CORACCI **PHONE NO:** (503) 723-4423
PROJECT: NORD DOOR **SITE / PWSID / WBS #:**
REPORTS TO: MEGAN CORACCI
EMAIL: mcoracci@slrconsulting.com
INVOICE TO: **QUOTE #**
P.O. NUMBER 108.00288-00026

SGS Reference #: AS292

PAGE 1 **OF** 2

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	SAMPLE TYPE (C=COMP, G=GRAB)	PRESERVATIVES USED: None	ANALYSIS REQUIRED: Dioxins & Furans by 1613	REMARKS
	GP-501-P-GW	3/14/13	0900	WATER	2	G		X	
	GP-502-P-GW	↓	0930					X	
	GP-503-P-GW	3/13/13	1230					X	
	GP-504-P-GW		1100					X	
	GP-505-P-GW		1250						
	GP-506-P-GW		1310						
	GP-507-P-GW		1340						
	GP-508-P-GW		0935						
	GP-509-P-GW		1010						
	GP-510-P-GW	↓	1145	↓	↓	↓			

COLLECTED/RELINQUISHED BY: (1)	DATE	TIME	RECEIVED BY:
CHRIS LEE	3/14/13	1200	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Received For Laboratory By: Barbara Hagen	Date 3/15/13	Time 0955	CoC Seal (INTACT) BROKEN ABSENT Sample Receipt Temp: C 2.2 0.4

REPORT LEVEL: ☐ Level I ☐ Level II ☐ Level IV
REQUESTED TURNAROUND TIME: ☐ Rush:_____ ☒ Standard
SPECIAL DELIVERABLES: State of Origin: WA ☐ Trust Fund
☐ DoD ☐ EDD:_____ Other:_____
SPECIAL INSTRUCTIONS: HOLD ALL SAMPLES FOR FOLLOW-UP ANALYSES. WILL CALL WITH INSTRUCTIONS PENDING RESULTS.
Shipping Carrier:
Shipping Ticket No:
Notes: - PO from WDS pm SLR CJS 3/15/13

SGS-00055 (06/12)

White - Retained by Lab
Yellow - Retained by Client

CHAIN OF CUSTODY

SGS ANALYTICAL PERSPECTIVES
5500 Business Drive
Wilmington, NC 28405
+1 910 350 1903
WWW.SGS.COM

CLIENT: SLR INTERNATIONAL CORPORATION
CONTACT: MEGAN CORACCI **PHONE NO:** (503) 723-4423
PROJECT: NORD DOOR **SITE / PWSID / WBS #:**
REPORTS TO: MEGAN CORACCI
EMAIL: mcoracci@slrconsulting.com
INVOICE TO: **QUOTE #**
P.O. NUMBER 108.00228.00020

SGS Reference #: AS292

PAGE 2 OF 2

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	SAMPLE TYPE (C=COMP, G=GRAB)	PRESERVATIVES USED: None	ANALYSIS REQUIRED: Orders & forms by WCB	REMARKS
	GP-511-P-GW	3/13/13	1120	WATER	2	G			
	GP-512-P-GW	3/14/13	0830	↓	↓	↓			

COLLECTED/RELINQUISHED BY: (1)	DATE	TIME	RECEIVED BY:
CITRUS LEE (CL)	3/14/13	1200	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Received For Laboratory By: Barbara Hagy	Date 3/15/13	Time 0945	CoC Seal: (INTACT) BROKEN ABSENT Sample Receipt Temp: 2.2, 0.4

REPORT LEVEL: ☐ Level I ☐ Level II ☐ Level IV
REQUESTED TURNAROUND TIME: ☐ Rush: _____ ☒ Standard
SPECIAL DELIVERABLES: State of Origin: WA ☐ Trust Fund
☐ DoD ☐ EDD: _____ Other: _____
SPECIAL INSTRUCTIONS: HOLD ALL SAMPLES FOR FOLLOW-UP ANALYSES. WILL CALL WITH INSTRUCTIONS PENDING RESULTS
Shipping Carrier:
Shipping Ticket No:
Notes: -D' for ID's per SLR. 3/18/13

SGS-00055 (06/12)

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

White - Retained by Lab
Yellow - Retained by Client

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **SLR** Work Order No.: **A5292**

1. _X_ Shipped
   ___ Hand Delivered

2. _X_ COC Present on Receipt
   ___ No COC
   ___ Additional Transmittal Forms

3. _X_ Custody Tape on Container
   ___ No Custody Tape

4. _X_ Samples Intact
   ___ Samples Broken / Leaking

5. _X_ Chilled on Receipt Actual Temp.(s) in °C: 2.2°, 0.4
   ___ Ambient on Receipt
   ___ Walk-in on Ice; Coming down to temp.
   ___ ATL

6. _X_ Sufficient Sample Submitted
   ___ Insufficient Sample Submitted

7. ___ Chlorine absent
   ___ HNO3 < 2
   ___ HCL < 2
   ___ Additional Preservatives verified (see notes)

8. _X_ Received Within Holding Time
   ___ Not Received Within Holding Time

9. _X_ No Discrepancies Noted
   ___ Discrepancies Noted
   ___ NCDENR notified of Discrepancies*

10. ___ No Headspace present in VOC vials
    ___ Headspace present in VOC vials >6mm

Notes:

Comments:

Inspected and Logged in by: BAH

Date: Fri-3/15/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Chris Kramer (SLR)
Jeld-Wen
1800 Blankenship Road, Suite 440
West Linn, OR 97068

Report Summary

Tuesday April 02, 2013

Report Number: L627419
Samples Received: 03/28/13
Client Project: 108.00228.00048

Description: Nord Door Project - Everett, WA

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Jarred Willis , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Chris Kramer (SLR)
Jeld-Wen
1800 Blankenship Road, Suite 440
West Linn, OR 97068

April 02,2013

ESC Sample # : L627419-01

Date Received : March 28, 2013
Description : Nord Door Project - Everett, WA

Site ID : EVERETT, WA

Sample ID : GP-501 3FT

Project # : 108.00228.00048

Collected By :
Collection Date : 03/14/13 08:55

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	74.4	0.0333	0.100	%		2540 G-2	03/29/13	1
Gasoline Range Organics-NWTPH	3.0	0.17	0.67	mg/kg		NWTPHGX	03/28/13	5
Surrogate Recovery								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		NWTPHGX	03/28/13	5
Volatile Organics								
Acetone	U	0.12	0.34	mg/kg		8260B	03/28/13	5
Benzene	U	0.0017	0.0067	mg/kg		8260B	03/28/13	5
Bromochloromethane	U	0.0020	0.0067	mg/kg		8260B	03/28/13	5
Bromodichloromethane	U	0.0016	0.0067	mg/kg		8260B	03/28/13	5
Bromoform	U	0.0018	0.0067	mg/kg	J4	8260B	03/28/13	5
Bromomethane	U	0.0088	0.034	mg/kg		8260B	03/28/13	5
2-Butanone (MEK)	U	0.014	0.067	mg/kg		8260B	03/28/13	5
Carbon disulfide	U	0.0019	0.0067	mg/kg		8260B	03/28/13	5
Carbon tetrachloride	U	0.0019	0.0067	mg/kg		8260B	03/28/13	5
Chlorobenzene	U	0.0016	0.0067	mg/kg		8260B	03/28/13	5
Chloroethane	U	0.0058	0.034	mg/kg		8260B	03/28/13	5
Chloroform	U	0.0021	0.034	mg/kg		8260B	03/28/13	5
Chloromethane	U	0.0035	0.017	mg/kg		8260B	03/28/13	5
1,2-Dibromo-3-Chloropropane	U	0.010	0.034	mg/kg		8260B	03/28/13	5
Chlorodibromomethane	U	0.0018	0.0067	mg/kg		8260B	03/28/13	5
1,2-Dibromoethane	U	0.0019	0.0067	mg/kg		8260B	03/28/13	5
1,2-Dichlorobenzene	U	0.0017	0.0067	mg/kg		8260B	03/28/13	5
1,3-Dichlorobenzene	U	0.0017	0.0067	mg/kg		8260B	03/28/13	5
1,4-Dichlorobenzene	U	0.0016	0.0067	mg/kg		8260B	03/28/13	5
Dichlorodifluoromethane	U	0.0038	0.034	mg/kg		8260B	03/28/13	5
1,1-Dichloroethane	U	0.0020	0.0067	mg/kg		8260B	03/28/13	5
1,2-Dichloroethane	U	0.0020	0.0067	mg/kg		8260B	03/28/13	5
1,1-Dichloroethene	U	0.0031	0.0067	mg/kg		8260B	03/28/13	5
cis-1,2-Dichloroethene	U	0.0018	0.0067	mg/kg		8260B	03/28/13	5
trans-1,2-Dichloroethene	U	0.0020	0.0067	mg/kg		8260B	03/28/13	5
1,2-Dichloropropane	U	0.0032	0.0067	mg/kg		8260B	03/28/13	5
cis-1,3-Dichloropropene	U	0.0019	0.0067	mg/kg		8260B	03/28/13	5
trans-1,3-Dichloropropene	U	0.0017	0.0067	mg/kg		8260B	03/28/13	5
Ethylbenzene	0.0052	0.0019	0.0067	mg/kg	J	8260B	03/28/13	5
2-Hexanone	U	0.010	0.067	mg/kg		8260B	03/28/13	5
Isopropylbenzene	U	0.0016	0.0067	mg/kg		8260B	03/28/13	5
4-Methyl-2-pentanone (MIBK)	U	0.014	0.067	mg/kg		8260B	03/28/13	5
Methyl tert-butyl ether	U	0.0016	0.0067	mg/kg		8260B	03/28/13	5
Methylene Chloride	0.0098	0.0065	0.034	mg/kg	J	8260B	03/28/13	5
Styrene	U	0.0019	0.0067	mg/kg		8260B	03/28/13	5
1,1,2,2-Tetrachloroethane	U	0.0021	0.0067	mg/kg		8260B	03/28/13	5

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:

The reported analytical results relate only to the sample submitted
Reported: 04/02/13 13:01 Printed: 04/02/13 13:50

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12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Kramer (SLR)
Jeld-Wen
1800 Blankenship Road, Suite 440
West Linn, OR 97068

April 02,2013

Date Received : March 28, 2013
Description : Nord Door Project - Everett, WA

Sample ID : GP-501 3FT

Collected By :
Collection Date : 03/14/13 08:55

ESC Sample # : L627419-01

Site ID : EVERETT, WA

Project # : 108.00228.00048

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Tetrachloroethene	U	0.0020	0.0067	mg/kg		8260B	03/28/13	5
Toluene	0.040	0.0016	0.034	mg/kg		8260B	03/28/13	5
1,1,2-Trichlorotrifluoroethane	U	0.0019	0.0067	mg/kg		8260B	03/28/13	5
1,2,3-Trichlorobenzene	U	0.0022	0.0067	mg/kg		8260B	03/28/13	5
1,2,4-Trichlorobenzene	U	0.0015	0.0067	mg/kg		8260B	03/28/13	5
1,1,1-Trichloroethane	U	0.0018	0.0067	mg/kg		8260B	03/28/13	5
1,1,2-Trichloroethane	U	0.0018	0.0067	mg/kg		8260B	03/28/13	5
Trichloroethene	U	0.0017	0.0067	mg/kg		8260B	03/28/13	5
Trichlorofluoromethane	U	0.0045	0.034	mg/kg		8260B	03/28/13	5
Vinyl chloride	U	0.0019	0.0067	mg/kg		8260B	03/28/13	5
Xylenes, Total	0.046	0.0023	0.020	mg/kg		8260B	03/28/13	5
Cyclohexane	U	0.0016	0.0067	mg/kg		8260B	03/28/13	5
1,4-Dioxane	U	0.16	0.67	mg/kg		8260B	03/28/13	5
Methyl Acetate	U	0.033	0.13	mg/kg		8260B	03/28/13	5
Methyl Cyclohexane	U	0.0016	0.0067	mg/kg		8260B	03/28/13	5
Surrogate Recovery								
Toluene-d8	96.7			% Rec.		8260B	03/28/13	5
Dibromofluoromethane	88.3			% Rec.		8260B	03/28/13	5
4-Bromofluorobenzene	105.			% Rec.		8260B	03/28/13	5
Diesel Range Organics (DRO)	1300	26.	110	mg/kg		NWTPHDX	03/30/13	20
Residual Range Organics (RRO)	1700	66.	270	mg/kg		NWTPHDX	03/30/13	20
Surrogate Recovery								
o-Terphenyl	122.			% Rec.	J7	NWTPHDX	03/30/13	20
Base/Neutral Extractables								
Acenaphthylene	U	1.3	8.9	mg/kg		8270D	04/01/13	200
Acenaphthene	U	1.3	8.9	mg/kg		8270D	04/01/13	200
Acetophenone	U	15.	90.	mg/kg		8270D	04/01/13	200
Anthracene	U	1.3	8.9	mg/kg		8270D	04/01/13	200
Atrazine	U	19.	90.	mg/kg		8270D	04/01/13	200
Benzaldehyde	U	11.	90.	mg/kg	J4	8270D	04/01/13	200
Biphenyl	U	1.2	90.	mg/kg		8270D	04/01/13	200
Benzidine	U	13.	90.	mg/kg	J4J	8270D	04/01/13	200
Benzo(a)anthracene	1.2	0.86	8.9	mg/kg	J	8270D	04/01/13	200
Benzo(b)fluoranthene	2.8	1.4	8.9	mg/kg	J	8270D	04/01/13	200
Benzo(k)fluoranthene	U	1.2	8.9	mg/kg		8270D	04/01/13	200
Benzo(g,h,i)perylene	U	1.4	8.9	mg/kg		8270D	04/01/13	200
Benzo(a)pyrene	U	1.1	8.9	mg/kg		8270D	04/01/13	200
Bis(2-chlorethoxy)methane	U	1.5	90.	mg/kg		8270D	04/01/13	200
Bis(2-chloroethyl)ether	U	1.8	90.	mg/kg		8270D	04/01/13	200
Bis(2-chloroisopropyl)ether	U	1.5	90.	mg/kg		8270D	04/01/13	200
4-Bromophenyl-phenylether	U	2.3	90.	mg/kg		8270D	04/01/13	200

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:

The reported analytical results relate only to the sample submitted
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REPORT OF ANALYSIS

Chris Kramer (SLR)
Jeld-Wen
1800 Blankenship Road, Suite 440
West Linn, OR 97068

April 02,2013

Date Received : March 28, 2013
Description : Nord Door Project - Everett, WA

Sample ID : GP-501 3FT

Collected By :
Collection Date : 03/14/13 08:55

ESC Sample # : L627419-01

Site ID : EVERETT, WA

Project # : 108.00228.00048

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Caprolactam	U	21.	90.	mg/kg		8270D	04/01/13	200
Carbazole	U	1.0	90.	mg/kg		8270D	04/01/13	200
4-Chloroaniline	U	7.0	90.	mg/kg		8270D	04/01/13	200
2-Chloronaphthalene	U	1.3	8.9	mg/kg		8270D	04/01/13	200
4-Chlorophenyl-phenylether	U	1.2	90.	mg/kg		8270D	04/01/13	200
Chrysene	1.6	1.1	8.9	mg/kg	J	8270D	04/01/13	200
Dibenz(a,h)anthracene	U	1.6	8.9	mg/kg		8270D	04/01/13	200
Dibenzofuran	U	1.0	8.9	mg/kg		8270D	04/01/13	200
3,3-Dichlorobenzidine	U	16.	90.	mg/kg		8270D	04/01/13	200
2,4-Dinitrotoluene	U	1.2	90.	mg/kg		8270D	04/01/13	200
2,6-Dinitrotoluene	U	1.5	90.	mg/kg		8270D	04/01/13	200
Fluoranthene	3.0	0.99	8.9	mg/kg	J	8270D	04/01/13	200
Fluorene	U	1.4	8.9	mg/kg		8270D	04/01/13	200
Hexachlorobenzene	U	1.7	90.	mg/kg		8270D	04/01/13	200
Hexachloro-1,3-butadiene	U	2.0	90.	mg/kg		8270D	04/01/13	200
Hexachlorocyclopentadiene	U	12.	90.	mg/kg	J	8270D	04/01/13	200
Hexachloroethane	U	2.7	90.	mg/kg		8270D	04/01/13	200
Indeno(1,2,3-cd)pyrene	U	1.5	8.9	mg/kg		8270D	04/01/13	200
Isophorone	U	1.0	90.	mg/kg		8270D	04/01/13	200
2-Methylnaphthalene	U	1.7	8.9	mg/kg		8270D	04/01/13	200
2-Nitroaniline	U	1.5	90.	mg/kg		8270D	04/01/13	200
3-Nitroaniline	U	1.7	90.	mg/kg	J	8270D	04/01/13	200
4-Nitroaniline	U	1.3	90.	mg/kg	J	8270D	04/01/13	200
Naphthalene	2.6	1.8	8.9	mg/kg	J	8270D	04/01/13	200
Nitrobenzene	U	1.4	90.	mg/kg		8270D	04/01/13	200
n-Nitrosodiphenylamine	U	1.2	90.	mg/kg		8270D	04/01/13	200
n-Nitrosodi-n-propylamine	U	1.8	90.	mg/kg		8270D	04/01/13	200
Phenanthrene	4.0	1.0	8.9	mg/kg	J	8270D	04/01/13	200
Benzylbutyl phthalate	U	2.1	90.	mg/kg		8270D	04/01/13	200
Bis(2-ethylhexyl)phthalate	190	2.4	90.	mg/kg		8270D	04/01/13	200
Di-n-butyl phthalate	U	2.2	90.	mg/kg		8270D	04/01/13	200
Diethyl phthalate	U	1.4	90.	mg/kg		8270D	04/01/13	200
Dimethyl phthalate	U	1.1	90.	mg/kg		8270D	04/01/13	200
Di-n-octyl phthalate	U	1.8	90.	mg/kg		8270D	04/01/13	200
Pyrene	U	2.5	8.9	mg/kg		8270D	04/01/13	200
1,2,4,5-Tetrachlorobenzene	U	15.	90.	mg/kg		8270D	04/01/13	200
Acid Extractables								
4-Chloro-3-methylphenol	U	0.95	90.	mg/kg		8270D	04/01/13	200
2-Chlorophenol	U	1.7	90.	mg/kg		8270D	04/01/13	200
2,4-Dichlorophenol	U	1.5	90.	mg/kg		8270D	04/01/13	200
2,4-Dimethylphenol	U	9.4	90.	mg/kg		8270D	04/01/13	200
4,6-Dinitro-2-methylphenol	U	25.	90.	mg/kg		8270D	04/01/13	200
2,4-Dinitrophenol	U	20.	90.	mg/kg		8270D	04/01/13	200

Results listed are dry weight basis.
U = ND (Not Detected)
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REPORT OF ANALYSIS

Chris Kramer (SLR)
Jeld-Wen
1800 Blankenship Road, Suite 440
West Linn, OR 97068

April 02,2013

Date Received : March 28, 2013
Description : Nord Door Project - Everett, WA

Sample ID : GP-501 3FT

Collected By :
Collection Date : 03/14/13 08:55

ESC Sample # : L627419-01

Site ID : EVERETT, WA

Project # : 108.00228.00048

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Methylphenol	U	2.0	90.	mg/kg		8270D	04/01/13	200
3&4-Methyl Phenol	U	1.6	90.	mg/kg		8270D	04/01/13	200
2-Nitrophenol	U	2.6	90.	mg/kg		8270D	04/01/13	200
4-Nitrophenol	U	10.	90.	mg/kg		8270D	04/01/13	200
Pentachlorophenol	590	48.	450	mg/kg		8270D	04/01/13	1000
Phenol	U	1.4	90.	mg/kg		8270D	04/01/13	200
2,4,5-Trichlorophenol	U	2.1	90.	mg/kg		8270D	04/01/13	200
2,3,4,6-Tetrachlorophenol	56.	24.	90.	mg/kg	J	8270D	04/01/13	200
2,4,6-Trichlorophenol	U	1.6	90.	mg/kg		8270D	04/01/13	200
Surrogate Recovery								
2-Fluorophenol	73.9			% Rec.	J7	8270D	04/01/13	200
Phenol-d5	72.0			% Rec.	J7	8270D	04/01/13	200
Nitrobenzene-d5	123.			% Rec.	J7	8270D	04/01/13	200
2-Fluorobiphenyl	95.5			% Rec.	J7	8270D	04/01/13	200
2,4,6-Tribromophenol	86.4			% Rec.	J7	8270D	04/01/13	200
p-Terphenyl-d14	78.8			% Rec.	J7	8270D	04/01/13	200

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L627419-01	WG653767	SAMP	Benzaldehyde	R2600219	J4
	WG653767	SAMP	Benzidine	R2600219	J4J
	WG653767	SAMP	Benzo(a)anthracene	R2600219	J
	WG653767	SAMP	Benzo(b)fluoranthene	R2600219	J
	WG653767	SAMP	Chrysene	R2600219	J
	WG653767	SAMP	Fluoranthene	R2600219	J
	WG653767	SAMP	Hexachlorocyclopentadiene	R2600219	J
	WG653767	SAMP	3-Nitroaniline	R2600219	J
	WG653767	SAMP	4-Nitroaniline	R2600219	J
	WG653767	SAMP	Naphthalene	R2600219	J
	WG653767	SAMP	Phenanthrene	R2600219	J
	WG653767	SAMP	2,3,4,6-Tetrachlorophenol	R2600219	J
	WG653767	SAMP	2-Fluorophenol	R2600219	J7
	WG653767	SAMP	Phenol-d5	R2600219	J7
	WG653767	SAMP	Nitrobenzene-d5	R2600219	J7
	WG653767	SAMP	2-Fluorobiphenyl	R2600219	J7
	WG653767	SAMP	2,4,6-Tribromophenol	R2600219	J7
	WG653767	SAMP	p-Terphenyl-d14	R2600219	J7
	WG653277	SAMP	Bromoform	R2598479	J4
	WG653277	SAMP	Ethylbenzene	R2598479	J
	WG653277	SAMP	Methylene Chloride	R2598479	J
	WG653115	SAMP	o-Terphenyl	R2600278	J7

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J4	The associated batch QC was outside the established quality control range for accuracy.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

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Quality Assurance Report
Level II

L627419

April 02, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Gasoline Range Organics-NWTPH	< .1	mg/kg			WG653246	03/28/13 18:43
a,a,a-Trifluorotoluene(FID)		% Rec.	103.2	59-128	WG653246	03/28/13 18:43
1,1,1-Trichloroethane	< .001	mg/kg			WG653277	03/28/13 14:31
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG653277	03/28/13 14:31
1,1,2-Trichloroethane	< .001	mg/kg			WG653277	03/28/13 14:31
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG653277	03/28/13 14:31
1,1-Dichloroethane	< .001	mg/kg			WG653277	03/28/13 14:31
1,1-Dichloroethene	< .001	mg/kg			WG653277	03/28/13 14:31
1,2,3-Trichlorobenzene	< .001	mg/kg			WG653277	03/28/13 14:31
1,2,4-Trichlorobenzene	< .001	mg/kg			WG653277	03/28/13 14:31
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG653277	03/28/13 14:31
1,2-Dibromoethane	< .001	mg/kg			WG653277	03/28/13 14:31
1,2-Dichlorobenzene	< .001	mg/kg			WG653277	03/28/13 14:31
1,2-Dichloroethane	< .001	mg/kg			WG653277	03/28/13 14:31
1,2-Dichloropropane	< .001	mg/kg			WG653277	03/28/13 14:31
1,3-Dichlorobenzene	< .001	mg/kg			WG653277	03/28/13 14:31
1,4-Dichlorobenzene	< .001	mg/kg			WG653277	03/28/13 14:31
1,4-Dioxane	< .1	mg/kg			WG653277	03/28/13 14:31
2-Butanone (MEK)	< .01	mg/kg			WG653277	03/28/13 14:31
2-Hexanone	< .01	mg/kg			WG653277	03/28/13 14:31
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG653277	03/28/13 14:31
Acetone	< .05	mg/kg			WG653277	03/28/13 14:31
Benzene	< .001	mg/kg			WG653277	03/28/13 14:31
Bromochloromethane	< .001	mg/kg			WG653277	03/28/13 14:31
Bromodichloromethane	< .001	mg/kg			WG653277	03/28/13 14:31
Bromoform	< .001	mg/kg			WG653277	03/28/13 14:31
Bromomethane	< .005	mg/kg			WG653277	03/28/13 14:31
Carbon disulfide	< .001	mg/kg			WG653277	03/28/13 14:31
Carbon tetrachloride	< .001	mg/kg			WG653277	03/28/13 14:31
Chlorobenzene	< .001	mg/kg			WG653277	03/28/13 14:31
Chlorodibromomethane	< .001	mg/kg			WG653277	03/28/13 14:31
Chloroethane	< .005	mg/kg			WG653277	03/28/13 14:31
Chloroform	< .005	mg/kg			WG653277	03/28/13 14:31
Chloromethane	< .0025	mg/kg			WG653277	03/28/13 14:31
cis-1,2-Dichloroethene	< .001	mg/kg			WG653277	03/28/13 14:31
cis-1,3-Dichloropropene	< .001	mg/kg			WG653277	03/28/13 14:31
Cyclohexane	< .001	mg/kg			WG653277	03/28/13 14:31
Dichlorodifluoromethane	< .005	mg/kg			WG653277	03/28/13 14:31
Ethylbenzene	< .001	mg/kg			WG653277	03/28/13 14:31
Isopropylbenzene	< .001	mg/kg			WG653277	03/28/13 14:31
Methyl Acetate	< .02	mg/kg			WG653277	03/28/13 14:31
Methyl Cyclohexane	< .001	mg/kg			WG653277	03/28/13 14:31
Methyl tert-butyl ether	< .001	mg/kg			WG653277	03/28/13 14:31
Methylene Chloride	< .005	mg/kg			WG653277	03/28/13 14:31
Styrene	< .001	mg/kg			WG653277	03/28/13 14:31
Tetrachloroethene	< .001	mg/kg			WG653277	03/28/13 14:31
Toluene	< .005	mg/kg			WG653277	03/28/13 14:31
trans-1,2-Dichloroethene	< .001	mg/kg			WG653277	03/28/13 14:31
trans-1,3-Dichloropropene	< .001	mg/kg			WG653277	03/28/13 14:31
Trichloroethene	< .001	mg/kg			WG653277	03/28/13 14:31
Trichlorofluoromethane	< .005	mg/kg			WG653277	03/28/13 14:31
Vinyl chloride	< .001	mg/kg			WG653277	03/28/13 14:31
Xylenes, Total	< .003	mg/kg			WG653277	03/28/13 14:31
4-Bromofluorobenzene		% Rec.	96.52	67-133	WG653277	03/28/13 14:31
Dibromofluoromethane		% Rec.	88.96	72-135	WG653277	03/28/13 14:31
Toluene-d8		% Rec.	96.36	90-113	WG653277	03/28/13 14:31

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L627419

April 02, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Total Solids	< .1	%			WG653529	03/29/13 11:00
1,2,4,5-Tetrachlorobenzene	< .333	mg/kg			WG653767	03/31/13 19:43
2,3,4,6-Tetrachlorophenol	< .33	mg/kg			WG653767	03/31/13 19:43
2,4,5-Trichlorophenol	< .333	mg/kg			WG653767	03/31/13 19:43
2,4,6-Trichlorophenol	< .333	mg/kg			WG653767	03/31/13 19:43
2,4-Dichlorophenol	< .333	mg/kg			WG653767	03/31/13 19:43
2,4-Dimethylphenol	< .333	mg/kg			WG653767	03/31/13 19:43
2,4-Dinitrophenol	< .333	mg/kg			WG653767	03/31/13 19:43
2,4-Dinitrotoluene	< .333	mg/kg			WG653767	03/31/13 19:43
2,6-Dinitrotoluene	< .333	mg/kg			WG653767	03/31/13 19:43
2-Chloronaphthalene	< .033	mg/kg			WG653767	03/31/13 19:43
2-Chlorophenol	< .333	mg/kg			WG653767	03/31/13 19:43
2-Methylnaphthalene	< .033	mg/kg			WG653767	03/31/13 19:43
2-Methylphenol	< .333	mg/kg			WG653767	03/31/13 19:43
2-Nitroaniline	< .333	mg/kg			WG653767	03/31/13 19:43
2-Nitrophenol	< .333	mg/kg			WG653767	03/31/13 19:43
3&4-Methyl Phenol	< .333	mg/kg			WG653767	03/31/13 19:43
3,3-Dichlorobenzidine	< .333	mg/kg			WG653767	03/31/13 19:43
3-Nitroaniline	< .333	mg/kg			WG653767	03/31/13 19:43
4,6-Dinitro-2-methylphenol	< .333	mg/kg			WG653767	03/31/13 19:43
4-Bromophenyl-phenylether	< .333	mg/kg			WG653767	03/31/13 19:43
4-Chloro-3-methylphenol	< .333	mg/kg			WG653767	03/31/13 19:43
4-Chloroaniline	< .333	mg/kg			WG653767	03/31/13 19:43
4-Chlorophenyl-phenylether	< .333	mg/kg			WG653767	03/31/13 19:43
4-Nitroaniline	< .333	mg/kg			WG653767	03/31/13 19:43
4-Nitrophenol	< .333	mg/kg			WG653767	03/31/13 19:43
Acenaphthene	< .033	mg/kg			WG653767	03/31/13 19:43
Acenaphthylene	< .033	mg/kg			WG653767	03/31/13 19:43
Acetophenone	< .333	mg/kg			WG653767	03/31/13 19:43
Anthracene	< .033	mg/kg			WG653767	03/31/13 19:43
Atrazine	< .333	mg/kg			WG653767	03/31/13 19:43
Benzaldehyde	< .333	mg/kg			WG653767	03/31/13 19:43
Benzidine	< .333	mg/kg			WG653767	03/31/13 19:43
Benzo(a)anthracene	< .033	mg/kg			WG653767	03/31/13 19:43
Benzo(a)pyrene	< .033	mg/kg			WG653767	03/31/13 19:43
Benzo(b)fluoranthene	< .033	mg/kg			WG653767	03/31/13 19:43
Benzo(g,h,i)perylene	< .033	mg/kg			WG653767	03/31/13 19:43
Benzo(k)fluoranthene	< .033	mg/kg			WG653767	03/31/13 19:43
Benzylbutyl phthalate	< .333	mg/kg			WG653767	03/31/13 19:43
Biphenyl	< .333	mg/kg			WG653767	03/31/13 19:43
Bis(2-chlorethoxy)methane	< .333	mg/kg			WG653767	03/31/13 19:43
Bis(2-chloroethyl)ether	< .333	mg/kg			WG653767	03/31/13 19:43
Bis(2-chloroisopropyl)ether	< .333	mg/kg			WG653767	03/31/13 19:43
Bis(2-ethylhexyl)phthalate	< .333	mg/kg			WG653767	03/31/13 19:43
Caprolactam	< .333	mg/kg			WG653767	03/31/13 19:43
Carbazole	< .333	mg/kg			WG653767	03/31/13 19:43
Chrysene	< .033	mg/kg			WG653767	03/31/13 19:43
Di-n-butyl phthalate	< .333	mg/kg			WG653767	03/31/13 19:43
Di-n-octyl phthalate	< .333	mg/kg			WG653767	03/31/13 19:43
Dibenz(a,h)anthracene	< .033	mg/kg			WG653767	03/31/13 19:43
Dibenzofuran	< .333	mg/kg			WG653767	03/31/13 19:43
Diethyl phthalate	< .333	mg/kg			WG653767	03/31/13 19:43
Dimethyl phthalate	< .333	mg/kg			WG653767	03/31/13 19:43
Fluoranthene	< .033	mg/kg			WG653767	03/31/13 19:43
Fluorene	< .033	mg/kg			WG653767	03/31/13 19:43
Hexachloro-1,3-butadiene	< .333	mg/kg			WG653767	03/31/13 19:43

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West Linn, OR 97068

Quality Assurance Report
Level II

L627419

April 02, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Hexachlorobenzene	< .333	mg/kg			WG653767	03/31/13 19:43
Hexachlorocyclopentadiene	< .333	mg/kg			WG653767	03/31/13 19:43
Hexachloroethane	< .333	mg/kg			WG653767	03/31/13 19:43
Indeno(1,2,3-cd)pyrene	< .033	mg/kg			WG653767	03/31/13 19:43
Isophorone	< .333	mg/kg			WG653767	03/31/13 19:43
n-Nitrosodi-n-propylamine	< .333	mg/kg			WG653767	03/31/13 19:43
n-Nitrosodiphenylamine	< .333	mg/kg			WG653767	03/31/13 19:43
Naphthalene	< .033	mg/kg			WG653767	03/31/13 19:43
Nitrobenzene	< .333	mg/kg			WG653767	03/31/13 19:43
Phenanthrene	< .033	mg/kg			WG653767	03/31/13 19:43
Phenol	< .333	mg/kg			WG653767	03/31/13 19:43
Pyrene	< .033	mg/kg			WG653767	03/31/13 19:43
2,4,6-Tribromophenol		% Rec.	64.20	20.1-151	WG653767	03/31/13 19:43
2-Fluorobiphenyl		% Rec.	80.60	34-131	WG653767	03/31/13 19:43
2-Fluorophenol		% Rec.	70.90	19.3-117	WG653767	03/31/13 19:43
Nitrobenzene-d5		% Rec.	70.10	24.5-122	WG653767	03/31/13 19:43
Phenol-d5		% Rec.	74.60	24.4-126	WG653767	03/31/13 19:43
p-Terphenyl-d14		% Rec.	72.10	19-141	WG653767	03/31/13 19:43
Diesel Range Organics (DRO)	< 4	mg/kg			WG653115	03/29/13 12:16
Residual Range Organics (RRO)	< 10	mg/kg			WG653115	03/29/13 12:16
o-Terphenyl		% Rec.	82.50	50-150	WG653115	03/29/13 12:16

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	88.0	89.4	1.20	5	L627361-01	WG653529

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Gasoline Range Organics-NWTPH	mg/kg	5.5	5.13	93.3	67-135	WG653246
a,a,a-Trifluorotoluene(FID)				97.09	59-128	WG653246
1,1,1-Trichloroethane	mg/kg	.025	0.0229	91.7	70-127	WG653277
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0271	108.	76-133	WG653277
1,1,2-Trichloroethane	mg/kg	.025	0.0281	112.	79-123	WG653277
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0226	90.4	52-145	WG653277
1,1-Dichloroethane	mg/kg	.025	0.0219	87.7	74-121	WG653277
1,1-Dichloroethene	mg/kg	.025	0.0202	80.7	53-135	WG653277
1,2,3-Trichlorobenzene	mg/kg	.025	0.0313	125.	74-131	WG653277
1,2,4-Trichlorobenzene	mg/kg	.025	0.0310	124.	72-130	WG653277
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0318	127.	55-142	WG653277
1,2-Dibromoethane	mg/kg	.025	0.0284	114.	77-126	WG653277
1,2-Dichlorobenzene	mg/kg	.025	0.0274	110.	80-123	WG653277
1,2-Dichloroethane	mg/kg	.025	0.0219	87.6	70-128	WG653277
1,2-Dichloropropane	mg/kg	.025	0.0254	102.	74-125	WG653277
1,3-Dichlorobenzene	mg/kg	.025	0.0303	121.	76-128	WG653277
1,4-Dichlorobenzene	mg/kg	.025	0.0260	104.	77-119	WG653277
2-Butanone (MEK)	mg/kg	.125	0.121	96.7	56-146	WG653277
2-Hexanone	mg/kg	.125	0.143	115.	61-144	WG653277
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.131	105.	55-148	WG653277
Acetone	mg/kg	.125	0.105	84.2	47-155	WG653277
Benzene	mg/kg	.025	0.0228	91.2	72-120	WG653277
Bromochloromethane	mg/kg	.025	0.0254	102.	75-129	WG653277
Bromodichloromethane	mg/kg	.025	0.0251	101.	74-128	WG653277
Bromoform	mg/kg	.025	0.0335	134.	62-137	WG653277

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Quality Assurance Report
Level II

L627419

April 02, 2013

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Bromomethane	mg/kg	.025	0.0169	67.5	38-180	WG653277
Carbon disulfide	mg/kg	.025	0.0221	88.4	18-152	WG653277
Carbon tetrachloride	mg/kg	.025	0.0238	95.0	62-130	WG653277
Chlorobenzene	mg/kg	.025	0.0288	115.	77-124	WG653277
Chlorodibromomethane	mg/kg	.025	0.0302	121.	74-128	WG653277
Chloroethane	mg/kg	.025	0.0187	74.7	46-173	WG653277
Chloroform	mg/kg	.025	0.0228	91.1	76-122	WG653277
Chloromethane	mg/kg	.025	0.0197	78.8	49-143	WG653277
cis-1,2-Dichloroethene	mg/kg	.025	0.0244	97.5	73-123	WG653277
cis-1,3-Dichloropropene	mg/kg	.025	0.0270	108.	73-126	WG653277
Dichlorodifluoromethane	mg/kg	.025	0.0199	79.6	30-177	WG653277
Ethylbenzene	mg/kg	.025	0.0287	115.	76-126	WG653277
Isopropylbenzene	mg/kg	.025	0.0287	115.	70-128	WG653277
Methyl tert-butyl ether	mg/kg	.025	0.0224	89.8	66-127	WG653277
Methylene Chloride	mg/kg	.025	0.0228	91.0	67-124	WG653277
Styrene	mg/kg	.025	0.0300	120.	68-148	WG653277
Tetrachloroethene	mg/kg	.025	0.0306	122.	70-131	WG653277
Toluene	mg/kg	.025	0.0252	101.	74-155	WG653277
trans-1,2-Dichloroethene	mg/kg	.025	0.0238	95.3	63-126	WG653277
trans-1,3-Dichloropropene	mg/kg	.025	0.0293	117.	68-126	WG653277
Trichloroethene	mg/kg	.025	0.0281	112.	75-121	WG653277
Trichlorofluoromethane	mg/kg	.025	0.0194	77.5	48-170	WG653277
Vinyl chloride	mg/kg	.025	0.0205	82.0	54-144	WG653277
Xylenes, Total	mg/kg	.075	0.0868	116.	76-126	WG653277
4-Bromofluorobenzene				95.67	67-133	WG653277
Dibromofluoromethane				88.64	72-135	WG653277
Toluene-d8				96.39	90-113	WG653277
Total Solids	%	50	50.3	101.	85-115	WG653529
1,2,4,5-Tetrachlorobenzene	mg/kg	.333	0.237	71.1	51.1-105	WG653767
2,4,5-Trichlorophenol	mg/kg	.333	0.226	67.9	52.4-110	WG653767
2,4,6-Trichlorophenol	mg/kg	.333	0.216	64.8	53.7-108	WG653767
2,4-Dichlorophenol	mg/kg	.333	0.236	71.0	54.2-105	WG653767
2,4-Dimethylphenol	mg/kg	.333	0.223	66.8	47.5-111	WG653767
2,4-Dinitrophenol	mg/kg	.333	0.0905	27.2	10-114	WG653767
2,4-Dinitrotoluene	mg/kg	.333	0.244	73.4	59-112	WG653767
2,6-Dinitrotoluene	mg/kg	.333	0.251	75.5	58-109	WG653767
2-Chloronaphthalene	mg/kg	.333	0.241	72.5	53.7-103	WG653767
2-Chlorophenol	mg/kg	.333	0.228	68.4	45-97	WG653767
2-Methylnaphthalene	mg/kg	.333	0.234	70.4	53-105	WG653767
2-Methylphenol	mg/kg	.333	0.224	67.3	47.5-94.1	WG653767
2-Nitroaniline	mg/kg	.333	0.271	81.3	60.2-112	WG653767
2-Nitrophenol	mg/kg	.333	0.243	73.0	51.4-110	WG653767
3&4-Methyl Phenol	mg/kg	.333	0.258	77.4	57.4-109	WG653767
3,3-Dichlorobenzidine	mg/kg	.333	0.141	42.4	30.3-98.2	WG653767
3-Nitroaniline	mg/kg	.333	0.232	69.5	42.9-103	WG653767
4,6-Dinitro-2-methylphenol	mg/kg	.333	0.198	59.5	33.9-119	WG653767
4-Bromophenyl-phenylether	mg/kg	.333	0.263	78.9	54.7-112	WG653767
4-Chloro-3-methylphenol	mg/kg	.333	0.240	72.0	55.3-110	WG653767
4-Chloroaniline	mg/kg	.333	0.204	61.4	32.3-94.3	WG653767
4-Chlorophenyl-phenylether	mg/kg	.333	0.244	73.3	55.6-105	WG653767
4-Nitroaniline	mg/kg	.333	0.312	93.6	45.8-132	WG653767
4-Nitrophenol	mg/kg	.333	0.219	65.7	33.3-112	WG653767
Acenaphthene	mg/kg	.333	0.247	74.1	58.1-103	WG653767
Acenaphthylene	mg/kg	.333	0.241	72.5	60.9-110	WG653767
Acetophenone	mg/kg	.333	0.236	70.9	51.1-96.3	WG653767

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Quality Assurance Report
Level II

L627419

April 02, 2013

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Anthracene	mg/kg	.333	0.261	78.3	56.9-113	WG653767
Atrazine	mg/kg	.333	0.258	77.5	47.4-126	WG653767
Benzaldehyde	mg/kg	.333	0.399	120.*	10-51.5	WG653767
Benzidine	mg/kg	.333	0.0317	9.53*	10-31.6	WG653767
Benzo(a)anthracene	mg/kg	.333	0.250	74.9	58.9-105	WG653767
Benzo(a)pyrene	mg/kg	.333	0.251	75.5	59.6-106	WG653767
Benzo(b)fluoranthene	mg/kg	.333	0.276	82.9	56.9-105	WG653767
Benzo(g,h,i)perylene	mg/kg	.333	0.276	82.8	50.2-112	WG653767
Benzo(k)fluoranthene	mg/kg	.333	0.241	72.5	57.2-108	WG653767
Benzylbutyl phthalate	mg/kg	.333	0.255	76.7	53.7-115	WG653767
Biphenyl	mg/kg	.333	0.235	70.5	56.9-103	WG653767
Bis(2-chlorethoxy)methane	mg/kg	.333	0.253	76.1	52.2-98.3	WG653767
Bis(2-chloroethyl)ether	mg/kg	.333	0.247	74.3	39.2-104	WG653767
Bis(2-chloroisopropyl)ether	mg/kg	.333	0.231	69.5	47-96.6	WG653767
Bis(2-ethylhexyl)phthalate	mg/kg	.333	0.252	75.6	50-124	WG653767
Caprolactam	mg/kg	.333	0.208	62.3	33.7-119	WG653767
Carbazole	mg/kg	.333	0.261	78.4	58.3-105	WG653767
Chrysene	mg/kg	.333	0.260	78.2	56.4-109	WG653767
Di-n-butyl phthalate	mg/kg	.333	0.255	76.7	56.6-115	WG653767
Di-n-octyl phthalate	mg/kg	.333	0.251	75.3	57.3-112	WG653767
Dibenz(a,h)anthracene	mg/kg	.333	0.282	84.8	53.4-114	WG653767
Dibenzofuran	mg/kg	.333	0.244	73.3	55.7-104	WG653767
Diethyl phthalate	mg/kg	.333	0.248	74.4	60.9-109	WG653767
Dimethyl phthalate	mg/kg	.333	0.244	73.3	57.7-109	WG653767
Fluoranthene	mg/kg	.333	0.251	75.2	56.2-112	WG653767
Fluorene	mg/kg	.333	0.246	73.9	58.5-105	WG653767
Hexachloro-1,3-butadiene	mg/kg	.333	0.226	68.0	42.6-112	WG653767
Hexachlorobenzene	mg/kg	.333	0.243	73.0	46.6-105	WG653767
Hexachlorocyclopentadiene	mg/kg	.333	0.191	57.4	25.6-117	WG653767
Hexachloroethane	mg/kg	.333	0.220	65.9	41.7-100	WG653767
Indeno(1,2,3-cd)pyrene	mg/kg	.333	0.284	85.3	53.6-113	WG653767
Isophorone	mg/kg	.333	0.254	76.2	40.7-88	WG653767
n-Nitrosodi-n-propylamine	mg/kg	.333	0.249	74.9	51-99.5	WG653767
n-Nitrosodiphenylamine	mg/kg	.333	0.254	76.2	55.4-108	WG653767
Naphthalene	mg/kg	.333	0.236	70.8	49-100	WG653767
Nitrobenzene	mg/kg	.333	0.247	74.3	49-101	WG653767
Phenanthrene	mg/kg	.333	0.252	75.7	56.9-108	WG653767
Phenol	mg/kg	.333	0.257	77.1	46.3-101	WG653767
Pyrene	mg/kg	.333	0.251	75.4	55.8-106	WG653767
2,4,6-Tribromophenol				70.70	20.1-151	WG653767
2-Fluorobiphenyl				80.20	34-131	WG653767
2-Fluorophenol				74.90	19.3-117	WG653767
Nitrobenzene-d5				79.60	24.5-122	WG653767
Phenol-d5				77.10	24.4-126	WG653767
p-Terphenyl-d14				72.70	19-141	WG653767
Diesel Range Organics (DRO)	mg/kg	30	24.5	81.5	50-150	WG653115
Residual Range Organics (RRO)	mg/kg	30	26.0	86.6	50-150	WG653115
o-Terphenyl				71.30	50-150	WG653115

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Gasoline Range Organics-NWTPH	mg/kg	5.46	5.13	99.0	67-135	6.26	20	WG653246
a,a,a-Trifluorotoluene(FID)				98.62	59-128			WG653246
1,1,1-Trichloroethane	mg/kg	0.0233	0.0229	93.0	70-127	1.63	20	WG653277

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Quality Assurance Report
Level II

L627419

April 02, 2013

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
1,1,2,2-Tetrachloroethane	mg/kg	0.0275	0.0271	110.	76-133	1.44	20	WG653277
1,1,2-Trichloroethane	mg/kg	0.0293	0.0281	117.	79-123	4.12	20	WG653277
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0230	0.0226	92.0	52-145	1.79	20	WG653277
1,1-Dichloroethane	mg/kg	0.0223	0.0219	89.0	74-121	1.58	20	WG653277
1,1-Dichloroethene	mg/kg	0.0209	0.0202	84.0	53-135	3.56	20	WG653277
1,2,3-Trichlorobenzene	mg/kg	0.0306	0.0313	122.	74-131	2.32	20	WG653277
1,2,4-Trichlorobenzene	mg/kg	0.0300	0.0310	120.	72-130	3.01	20	WG653277
1,2-Dibromo-3-Chloropropane	mg/kg	0.0297	0.0318	119.	55-142	6.92	20	WG653277
1,2-Dibromoethane	mg/kg	0.0291	0.0284	116.	77-126	2.31	20	WG653277
1,2-Dichlorobenzene	mg/kg	0.0278	0.0274	111.	80-123	1.30	20	WG653277
1,2-Dichloroethane	mg/kg	0.0224	0.0219	89.0	70-128	2.07	20	WG653277
1,2-Dichloropropane	mg/kg	0.0261	0.0254	104.	74-125	2.64	20	WG653277
1,3-Dichlorobenzene	mg/kg	0.0314	0.0303	126.	76-128	3.72	20	WG653277
1,4-Dichlorobenzene	mg/kg	0.0265	0.0260	106.	77-119	1.80	20	WG653277
2-Butanone (MEK)	mg/kg	0.122	0.121	98.0	56-146	1.17	20	WG653277
2-Hexanone	mg/kg	0.141	0.143	113.	61-144	1.47	20	WG653277
4-Methyl-2-pentanone (MIBK)	mg/kg	0.128	0.131	102.	55-148	3.00	20	WG653277
Acetone	mg/kg	0.102	0.105	81.0	47-155	3.38	22	WG653277
Benzene	mg/kg	0.0234	0.0228	94.0	72-120	2.69	20	WG653277
Bromochloromethane	mg/kg	0.0259	0.0254	104.	75-129	1.92	20	WG653277
Bromodichloromethane	mg/kg	0.0259	0.0251	103.	74-128	2.85	20	WG653277
Bromoform	mg/kg	0.0343	0.0335	137.	62-137	2.51	20	WG653277
Bromomethane	mg/kg	0.0201	0.0169	80.0	38-180	17.6	20	WG653277
Carbon disulfide	mg/kg	0.0224	0.0221	90.0	18-152	1.43	20	WG653277
Carbon tetrachloride	mg/kg	0.0246	0.0238	98.0	62-130	3.65	20	WG653277
Chlorobenzene	mg/kg	0.0303	0.0288	121.	77-124	5.02	20	WG653277
Chlorodibromomethane	mg/kg	0.0312	0.0302	125.	74-128	3.25	20	WG653277
Chloroethane	mg/kg	0.0190	0.0187	76.0	46-173	1.63	20	WG653277
Chloroform	mg/kg	0.0232	0.0228	93.0	76-122	1.64	20	WG653277
Chloromethane	mg/kg	0.0199	0.0197	80.0	49-143	0.980	20	WG653277
cis-1,2-Dichloroethene	mg/kg	0.0242	0.0244	97.0	73-123	0.820	20	WG653277
cis-1,3-Dichloropropene	mg/kg	0.0279	0.0270	112.	73-126	3.22	20	WG653277
Dichlorodifluoromethane	mg/kg	0.0203	0.0199	81.0	30-177	1.86	20	WG653277
Ethylbenzene	mg/kg	0.0296	0.0287	118.	76-126	3.16	20	WG653277
Isopropylbenzene	mg/kg	0.0305	0.0287	122.	70-128	5.91	20	WG653277
Methyl tert-butyl ether	mg/kg	0.0228	0.0224	91.0	66-127	1.57	20	WG653277
Methylene Chloride	mg/kg	0.0234	0.0228	94.0	67-124	2.94	20	WG653277
Styrene	mg/kg	0.0310	0.0300	124.	68-148	3.46	20	WG653277
Tetrachloroethene	mg/kg	0.0322	0.0306	129.	70-131	5.19	20	WG653277
Toluene	mg/kg	0.0259	0.0252	104.	74-155	2.82	20	WG653277
trans-1,2-Dichloroethene	mg/kg	0.0244	0.0238	98.0	63-126	2.42	20	WG653277
trans-1,3-Dichloropropene	mg/kg	0.0297	0.0293	119.	68-126	1.28	20	WG653277
Trichloroethene	mg/kg	0.0288	0.0281	115.	75-121	2.46	20	WG653277
Trichlorofluoromethane	mg/kg	0.0197	0.0194	79.0	48-170	1.62	20	WG653277
Vinyl chloride	mg/kg	0.0208	0.0205	83.0	54-144	1.64	20	WG653277
Xylenes, Total	mg/kg	0.0896	0.0868	119.	76-126	3.14	20	WG653277
4-Bromofluorobenzene				98.80	67-133			WG653277
Dibromofluoromethane				89.10	72-135			WG653277
Toluene-d8				97.25	90-113			WG653277
1,2,4,5-Tetrachlorobenzene	mg/kg	0.247	0.237	74.0	51.1-105	4.33	20	WG653767
2,4,5-Trichlorophenol	mg/kg	0.231	0.226	69.0	52.4-110	2.13	20	WG653767
2,4,6-Trichlorophenol	mg/kg	0.226	0.216	68.0	53.7-108	4.75	20	WG653767
2,4-Dichlorophenol	mg/kg	0.244	0.236	73.0	54.2-105	3.03	20	WG653767
2,4-Dimethylphenol	mg/kg	0.220	0.223	66.0	47.5-111	0.950	20	WG653767
2,4-Dinitrophenol	mg/kg	0.0877	0.0905	26.0	10-114	3.20	34.5	WG653767
2,4-Dinitrotoluene	mg/kg	0.268	0.244	80.0	59-112	9.16	20	WG653767
2,6-Dinitrotoluene	mg/kg	0.267	0.251	80.0	58-109	6.19	20	WG653767

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Quality Assurance Report
Level II

L627419

April 02, 2013

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
2-Chloronaphthalene	mg/kg	0.266	0.241	80.0	53.7-103	9.74	20	WG653767
2-Chlorophenol	mg/kg	0.234	0.228	70.0	45-97	2.44	22.5	WG653767
2-Methylnaphthalene	mg/kg	0.248	0.234	74.0	53-105	5.55	20	WG653767
2-Methylphenol	mg/kg	0.230	0.224	69.0	47.5-94.1	2.84	20.4	WG653767
2-Nitroaniline	mg/kg	0.285	0.271	86.0	60.2-112	5.22	20	WG653767
2-Nitrophenol	mg/kg	0.248	0.243	74.0	51.4-110	1.88	20.2	WG653767
3&4-Methyl Phenol	mg/kg	0.267	0.258	80.0	57.4-109	3.46	20	WG653767
3,3-Dichlorobenzidine	mg/kg	0.138	0.141	41.0	30.3-98.2	2.40	22.7	WG653767
3-Nitroaniline	mg/kg	0.271	0.232	81.0	42.9-103	15.6	21.2	WG653767
4,6-Dinitro-2-methylphenol	mg/kg	0.176	0.198	53.0	33.9-119	11.8	22.8	WG653767
4-Bromophenyl-phenylether	mg/kg	0.274	0.263	82.0	54.7-112	4.22	20	WG653767
4-Chloro-3-methylphenol	mg/kg	0.256	0.240	77.0	55.3-110	6.54	20	WG653767
4-Chloroaniline	mg/kg	0.218	0.204	65.0	32.3-94.3	6.33	26.1	WG653767
4-Chlorophenyl-phenylether	mg/kg	0.264	0.244	79.0	55.6-105	7.83	20	WG653767
4-Nitroaniline	mg/kg	0.345	0.312	104.	45.8-132	10.2	20	WG653767
4-Nitrophenol	mg/kg	0.220	0.219	66.0	33.3-112	0.470	20	WG653767
Acenaphthene	mg/kg	0.270	0.247	81.0	58.1-103	8.98	20	WG653767
Acenaphthylene	mg/kg	0.262	0.241	79.0	60.9-110	8.27	20	WG653767
Acetophenone	mg/kg	0.251	0.236	75.0	51.1-96.3	6.22	20.4	WG653767
Anthracene	mg/kg	0.270	0.261	81.0	56.9-113	3.64	20	WG653767
Atrazine	mg/kg	0.270	0.258	81.0	47.4-126	4.53	20	WG653767
Benzaldehyde	mg/kg	0.425	0.399	128*	10-51.5	6.29	28.5	WG653767
Benzidine	mg/kg	0.0277	0.0317	8*	10-31.6	13.4	33.7	WG653767
Benzo(a)anthracene	mg/kg	0.267	0.250	80.0	58.9-105	6.62	20	WG653767
Benzo(a)pyrene	mg/kg	0.259	0.251	78.0	59.6-106	3.12	20	WG653767
Benzo(b)fluoranthene	mg/kg	0.277	0.276	83.0	56.9-105	0.500	20	WG653767
Benzo(g,h,i)perylene	mg/kg	0.290	0.276	87.0	50.2-112	5.22	20	WG653767
Benzo(k)fluoranthene	mg/kg	0.265	0.241	80.0	57.2-108	9.24	20	WG653767
Benzylbutyl phthalate	mg/kg	0.268	0.255	80.0	53.7-115	4.95	20	WG653767
Biphenyl	mg/kg	0.252	0.235	76.0	56.9-103	7.31	20	WG653767
Bis(2-chlorethoxy)methane	mg/kg	0.268	0.253	80.0	52.2-98.3	5.70	20	WG653767
Bis(2-chloroethyl)ether	mg/kg	0.255	0.247	76.0	39.2-104	2.84	26.3	WG653767
Bis(2-chloroisopropyl)ether	mg/kg	0.246	0.231	74.0	47-96.6	5.94	20.9	WG653767
Bis(2-ethylhexyl)phthalate	mg/kg	0.269	0.252	81.0	50-124	6.69	20	WG653767
Caprolactam	mg/kg	0.215	0.208	65.0	33.7-119	3.66	20.7	WG653767
Carbazole	mg/kg	0.270	0.261	81.0	58.3-105	3.30	20	WG653767
Chrysene	mg/kg	0.277	0.260	83.0	56.4-109	6.34	20	WG653767
Di-n-butyl phthalate	mg/kg	0.266	0.255	80.0	56.6-115	3.99	20	WG653767
Di-n-octyl phthalate	mg/kg	0.269	0.251	81.0	57.3-112	6.92	22	WG653767
Dibenz(a,h)anthracene	mg/kg	0.296	0.282	89.0	53.4-114	4.83	20	WG653767
Dibenzofuran	mg/kg	0.266	0.244	80.0	55.7-104	8.79	20	WG653767
Diethyl phthalate	mg/kg	0.269	0.248	81.0	60.9-109	8.22	20	WG653767
Dimethyl phthalate	mg/kg	0.264	0.244	79.0	57.7-109	7.71	20	WG653767
Fluoranthene	mg/kg	0.256	0.251	77.0	56.2-112	2.21	20	WG653767
Fluorene	mg/kg	0.262	0.246	79.0	58.5-105	6.23	20	WG653767
Hexachloro-1,3-butadiene	mg/kg	0.245	0.226	73.0	42.6-112	7.76	21.1	WG653767
Hexachlorobenzene	mg/kg	0.258	0.243	77.0	46.6-105	5.97	20	WG653767
Hexachlorocyclopentadiene	mg/kg	0.212	0.191	64.0	25.6-117	10.4	20	WG653767
Hexachloroethane	mg/kg	0.236	0.220	71.0	41.7-100	7.17	24.9	WG653767
Indeno(1,2,3-cd)pyrene	mg/kg	0.294	0.284	88.0	53.6-113	3.56	20	WG653767
Isophorone	mg/kg	0.275	0.254	83.0	40.7-88	8.11	20	WG653767
n-Nitrosodi-n-propylamine	mg/kg	0.267	0.249	80.0	51-99.5	6.70	20	WG653767
n-Nitrosodiphenylamine	mg/kg	0.270	0.254	81.0	55.4-108	6.35	20	WG653767
Naphthalene	mg/kg	0.246	0.236	74.0	49-100	4.11	20	WG653767
Nitrobenzene	mg/kg	0.257	0.247	77.0	49-101	3.87	20.4	WG653767
Phenanthrene	mg/kg	0.258	0.252	77.0	56.9-108	2.27	20	WG653767
Phenol	mg/kg	0.266	0.257	80.0	46.3-101	3.36	21.9	WG653767
Pyrene	mg/kg	0.272	0.251	82.0	55.8-106	7.91	20	WG653767
2,4,6-Tribromophenol				73.40	20.1-151			WG653767

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Quality Assurance Report
Level II

L627419

April 02, 2013

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	RPD	Limit	Batch
2-Fluorobiphenyl				84.30	34-131			
2-Fluorophenol				78.40	19.3-117			
Nitrobenzene-d5				80.80	24.5-122			
Phenol-d5				79.90	24.4-126			
p-Terphenyl-d14				77.70	19-141			
Diesel Range Organics (DRO)	mg/kg	25.3	24.5	84.0	50-150	3.23	20	WG653115
Residual Range Organics (RRO)	mg/kg	27.3	26.0	91.0	50-150	4.81	20	WG653115
o-Terphenyl				71.50	50-150			WG653115

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Gasoline Range Organics-NWTPH	mg/kg	17.5	0	5.5	63.6	55-109	L627095-01	WG653246
a,a,a-Trifluorotoluene(FID)					96.17	59-128		WG653246
1,1,1-Trichloroethane	mg/kg	0.108	0	.025	86.8	43-142	L627028-05	WG653277
1,1,2,2-Tetrachloroethane	mg/kg	0.130	0	.025	104.	42-147	L627028-05	WG653277
1,1,2-Trichloroethane	mg/kg	0.134	0	.025	107.	51-134	L627028-05	WG653277
1,1,2-Trichlorotrifluoroethane	mg/kg	0.107	0	.025	85.6	25-156	L627028-05	WG653277
1,1-Dichloroethane	mg/kg	0.103	0	.025	82.8	50-131	L627028-05	WG653277
1,1-Dichloroethene	mg/kg	0.0976	0	.025	78.1	29-145	L627028-05	WG653277
1,2,3-Trichlorobenzene	mg/kg	0.142	0.000368	.025	113.	13-142	L627028-05	WG653277
1,2,4-Trichlorobenzene	mg/kg	0.146	0	.025	117.	12-140	L627028-05	WG653277
1,2-Dibromo-3-Chloropropane	mg/kg	0.146	0	.025	116.	29-151	L627028-05	WG653277
1,2-Dibromoethane	mg/kg	0.134	0	.025	107.	48-133	L627028-05	WG653277
1,2-Dichlorobenzene	mg/kg	0.130	0	.025	104.	37-136	L627028-05	WG653277
1,2-Dichloroethane	mg/kg	0.102	0	.025	82.0	49-131	L627028-05	WG653277
1,2-Dichloropropane	mg/kg	0.120	0	.025	96.2	50-132	L627028-05	WG653277
1,3-Dichlorobenzene	mg/kg	0.145	0	.025	116.	26-140	L627028-05	WG653277
1,4-Dichlorobenzene	mg/kg	0.128	0	.025	102.	34-132	L627028-05	WG653277
2-Butanone (MEK)	mg/kg	0.601	0	.125	96.2	40-149	L627028-05	WG653277
2-Hexanone	mg/kg	0.719	0	.125	115.	40-147	L627028-05	WG653277
4-Methyl-2-pentanone (MIBK)	mg/kg	0.618	0	.125	98.9	37-153	L627028-05	WG653277
Acetone	mg/kg	0.494	0.00223	.125	78.6	10-177	L627028-05	WG653277
Benzene	mg/kg	0.109	0	.025	87.4	44-131	L627028-05	WG653277
Bromochloromethane	mg/kg	0.120	0	.025	96.4	51-135	L627028-05	WG653277
Bromodichloromethane	mg/kg	0.119	0	.025	95.2	48-134	L627028-05	WG653277
Bromoform	mg/kg	0.154	0	.025	123.	34-141	L627028-05	WG653277
Bromomethane	mg/kg	0.0925	0.000503	.025	73.6	19-173	L627028-05	WG653277
Carbon disulfide	mg/kg	0.105	0.000305	.025	83.6	10-156	L627028-05	WG653277
Carbon tetrachloride	mg/kg	0.116	0	.025	92.5	36-140	L627028-05	WG653277
Chlorobenzene	mg/kg	0.137	0	.025	110.	42-133	L627028-05	WG653277
Chlorodibromomethane	mg/kg	0.142	0	.025	114.	45-135	L627028-05	WG653277
Chloroethane	mg/kg	0.0935	0	.025	74.8	16-178	L627028-05	WG653277
Chloroform	mg/kg	0.108	0	.025	86.7	52-130	L627028-05	WG653277
Chloromethane	mg/kg	0.0928	0	.025	74.2	28-147	L627028-05	WG653277
cis-1,2-Dichloroethene	mg/kg	0.119	0	.025	94.8	52-128	L627028-05	WG653277
cis-1,3-Dichloropropene	mg/kg	0.129	0	.025	103.	46-131	L627028-05	WG653277
Dichlorodifluoromethane	mg/kg	0.0928	0	.025	74.2	12-179	L627028-05	WG653277
Ethylbenzene	mg/kg	0.136	0	.025	109.	38-139	L627028-05	WG653277
Isopropylbenzene	mg/kg	0.138	0	.025	111.	34-137	L627028-05	WG653277
Methyl tert-butyl ether	mg/kg	0.107	0	.025	85.6	45-134	L627028-05	WG653277
Methylene Chloride	mg/kg	0.109	0.00398	.025	84.4	41-133	L627028-05	WG653277
Styrene	mg/kg	0.145	0	.025	116.	30-156	L627028-05	WG653277
Tetrachloroethene	mg/kg	0.149	0	.025	119.	35-139	L627028-05	WG653277
Toluene	mg/kg	0.122	0	.025	97.4	43-127	L627028-05	WG653277
trans-1,2-Dichloroethene	mg/kg	0.114	0	.025	91.2	41-132	L627028-05	WG653277
trans-1,3-Dichloropropene	mg/kg	0.139	0	.025	111.	43-129	L627028-05	WG653277

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Quality Assurance Report
Level II

L627419

April 02, 2013

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Trichloroethene	mg/kg	0.132	0	.025	106.	42-136	L627028-05	WG653277
Trichlorofluoromethane	mg/kg	0.0929	0.000728	.025	73.7	20-178	L627028-05	WG653277
Vinyl chloride	mg/kg	0.0992	0	.025	79.4	30-157	L627028-05	WG653277
Xylenes, Total	mg/kg	0.411	0	.075	110.	38-137	L627028-05	WG653277
4-Bromofluorobenzene					96.11	67-133		WG653277
Dibromofluoromethane					90.69	72-135		WG653277
Toluene-d8					96.87	90-113		WG653277
Pentachlorophenol	mg/kg	0.0622	0	.333	18.7	10-155	L627003-07	WG653767
2,4,6-Tribromophenol					84.50	20.1-151		WG653767
2-Fluorobiphenyl					73.90	34-131		WG653767
2-Fluorophenol					63.10	19.3-117		WG653767
Nitrobenzene-d5					81.50	24.5-122		WG653767
Phenol-d5					70.20	24.4-126		WG653767
p-Terphenyl-d14					57.50	19-141		WG653767
Diesel Range Organics (DRO)	mg/kg	26.9	1.38	30	85.0	50-150	L626737-23	WG653115
Residual Range Organics (RRO)	mg/kg	26.2	0.983	30	84.1	50-150	L626737-23	WG653115
o-Terphenyl					109.0	50-150		WG653115

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Gasoline Range Organics-NWTPH	mg/kg	20.6	17.5	75.1	55-109	16.6	20	L627095-01	WG653246
a,a,a-Trifluorotoluene(FID)				98.05	59-128				WG653246
1,1,1-Trichloroethane	mg/kg	0.109	0.108	86.9	43-142	0.160	24	L627028-05	WG653277
1,1,2,2-Tetrachloroethane	mg/kg	0.132	0.130	105.	42-147	1.43	25	L627028-05	WG653277
1,1,2-Trichloroethane	mg/kg	0.134	0.134	107.	51-134	0.0500	21	L627028-05	WG653277
1,1,2-Trichlorotrifluoroethane	mg/kg	0.104	0.107	83.2	25-156	2.78	29	L627028-05	WG653277
1,1-Dichloroethane	mg/kg	0.104	0.103	82.9	50-131	0.160	21	L627028-05	WG653277
1,1-Dichloroethene	mg/kg	0.0965	0.0976	77.2	29-145	1.16	28	L627028-05	WG653277
1,2,3-Trichlorobenzene	mg/kg	0.136	0.142	108.	13-142	4.26	33	L627028-05	WG653277
1,2,4-Trichlorobenzene	mg/kg	0.134	0.146	107.	12-140	8.42	32	L627028-05	WG653277
1,2-Dibromo-3-Chloropropane	mg/kg	0.142	0.146	113.	29-151	2.61	31	L627028-05	WG653277
1,2-Dibromoethane	mg/kg	0.134	0.134	107.	48-133	0.200	22	L627028-05	WG653277
1,2-Dichlorobenzene	mg/kg	0.125	0.130	100.	37-136	3.98	25	L627028-05	WG653277
1,2-Dichloroethane	mg/kg	0.103	0.102	82.1	49-131	0.170	20	L627028-05	WG653277
1,2-Dichloropropane	mg/kg	0.119	0.120	95.6	50-132	0.630	21	L627028-05	WG653277
1,3-Dichlorobenzene	mg/kg	0.138	0.145	110.	26-140	4.90	28	L627028-05	WG653277
1,4-Dichlorobenzene	mg/kg	0.122	0.128	97.3	34-132	4.78	26	L627028-05	WG653277
2-Butanone (MEK)	mg/kg	0.592	0.601	94.8	40-149	1.52	27	L627028-05	WG653277
2-Hexanone	mg/kg	0.737	0.719	118.	40-147	2.44	29	L627028-05	WG653277
4-Methyl-2-pentanone (MIBK)	mg/kg	0.641	0.618	102.	37-153	3.58	27	L627028-05	WG653277
Acetone	mg/kg	0.510	0.494	81.2	10-177	3.22	28	L627028-05	WG653277
Benzene	mg/kg	0.109	0.109	87.3	44-131	0.0200	21	L627028-05	WG653277
Bromochloromethane	mg/kg	0.121	0.120	97.0	51-135	0.650	21	L627028-05	WG653277
Bromodichloromethane	mg/kg	0.120	0.119	95.9	48-134	0.750	20	L627028-05	WG653277
Bromoform	mg/kg	0.155	0.154	124.	34-141	0.900	24	L627028-05	WG653277
Bromomethane	mg/kg	0.0928	0.0925	73.8	19-173	0.310	25	L627028-05	WG653277
Carbon disulfide	mg/kg	0.103	0.105	82.3	10-156	1.50	29	L627028-05	WG653277
Carbon tetrachloride	mg/kg	0.114	0.116	90.9	36-140	1.82	26	L627028-05	WG653277
Chlorobenzene	mg/kg	0.135	0.137	108.	42-133	1.46	24	L627028-05	WG653277
Chlorodibromomethane	mg/kg	0.142	0.142	114.	45-135	0.350	23	L627028-05	WG653277
Chloroethane	mg/kg	0.0888	0.0935	71.0	16-178	5.10	25	L627028-05	WG653277
Chloroform	mg/kg	0.108	0.108	86.8	52-130	0.0800	21	L627028-05	WG653277

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Jeld-Wen
Chris Kramer (SLR)
1800 Blankenship Road, Suite 440

West Linn, OR 97068

Quality Assurance Report
Level II

L627419

April 02, 2013

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Chloromethane	mg/kg	0.0926	0.0928	74.1	28-147	0.180	23	L627028-05	WG653277
cis-1,2-Dichloroethene	mg/kg	0.115	0.119	91.8	52-128	3.24	21	L627028-05	WG653277
cis-1,3-Dichloropropene	mg/kg	0.126	0.129	101.	46-131	2.18	21	L627028-05	WG653277
Dichlorodifluoromethane	mg/kg	0.0906	0.0928	72.5	12-179	2.39	27	L627028-05	WG653277
Ethylbenzene	mg/kg	0.136	0.136	109.	38-139	0.0400	27	L627028-05	WG653277
Isopropylbenzene	mg/kg	0.134	0.138	107.	34-137	3.48	29	L627028-05	WG653277
Methyl tert-butyl ether	mg/kg	0.105	0.107	84.4	45-134	1.48	22	L627028-05	WG653277
Methylene Chloride	mg/kg	0.111	0.109	85.5	41-133	1.29	28	L627028-05	WG653277
Styrene	mg/kg	0.141	0.145	112.	30-156	2.93	26	L627028-05	WG653277
Tetrachloroethene	mg/kg	0.141	0.149	112.	35-139	5.69	27	L627028-05	WG653277
Toluene	mg/kg	0.121	0.122	96.9	43-127	0.510	21	L627028-05	WG653277
trans-1,2-Dichloroethene	mg/kg	0.112	0.114	89.8	41-132	1.56	23	L627028-05	WG653277
trans-1,3-Dichloropropene	mg/kg	0.137	0.139	110.	43-129	0.870	23	L627028-05	WG653277
Trichloroethene	mg/kg	0.129	0.132	103.	42-136	2.10	23	L627028-05	WG653277
Trichlorofluoromethane	mg/kg	0.0907	0.0929	72.0	20-178	2.38	30	L627028-05	WG653277
Vinyl chloride	mg/kg	0.0949	0.0992	75.9	30-157	4.42	24	L627028-05	WG653277
Xylenes, Total	mg/kg	0.402	0.411	107.	38-137	2.07	26	L627028-05	WG653277
4-Bromofluorobenzene				95.39	67-133				WG653277
Dibromofluoromethane				88.74	72-135				WG653277
Toluene-d8				96.70	90-113				WG653277
Pentachlorophenol	mg/kg	0.0469	0.0622	14.1	10-155	28.1	28.1	L627003-07	WG653767
2,4,6-Tribromophenol				75.30	20.1-151				WG653767
2-Fluorobiphenyl				75.40	34-131				WG653767
2-Fluorophenol				61.50	19.3-117				WG653767
Nitrobenzene-d5				77.20	24.5-122				WG653767
Phenol-d5				69.60	24.4-126				WG653767
p-Terphenyl-d14				56.00	19-141				WG653767
Diesel Range Organics (DRO)	mg/kg	27.2	26.9	86.0	50-150	1.05	20	L626737-23	WG653115
Residual Range Organics (RRO)	mg/kg	26.3	26.2	84.2	50-150	0.130	20	L626737-23	WG653115
o-Terphenyl				99.40	50-150				WG653115

Batch number /Run number / Sample number cross reference

WG653246: R2598424: L627419-01
WG653277: R2598479: L627419-01
WG653529: R2598717: L627419-01
WG653767: R2600219 R2600510: L627419-01 01
WG653115: R2600278: L627419-01

* * Calculations are performed prior to rounding of reported values.
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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.