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DATE: February 15, 2007

TO: Terrence Johnson, EPA Work Assignment Manager

THROUGH: Parry Bhambra, REAC Operations Section Leader My 90

FROM: Ken Woodruff, REAC Task Leader K. W.

SUBJECT: VESTAL CHLORINATED HYDROCARBON SOURCE ASSESSMENT/REMEDY SITE, VESTAL, NEW YORK, WORK ASSIGNMENT # 0-198, TRIP REPORT - SOIL AND GROUNDWATER SAMPLING

PURPOSE

The purpose of this investigation was to (1) collect soil and groundwater samples for analysis of volatile organic compounds (VOCs) beneath and adjacent to the site building at the Vestal Chlorinated Hydrocarbon Source Assessment/Remedy (Vestal Hydrocarbon) site, (2) determine from the sampling results if a continuing source of VOC contamination existed beneath or adjacent to the site building, and (3) relate the results to the performance of the existing on-site soil vapor extraction (SVE) system. The sample locations in this mobilization were initially based upon analytical results from soil gas sampling completed in May 2006 and periodic soil sampling by Sevenson Environmental Services[™] (Sevenson) to evaluate the effectiveness of the existing SVE system. All work was carried out by personnel of the Lockheed Martin Response Engineering and Analytical Contract (REAC) under the direction of the Environmental Protection Agency/Environmental Response Team (EPA/ERT).

BACKGROUND

The Vestal Hydrocarbon site is located at 200 Stage Road in the Town of Vestal, New York (NY). The site consists of a large one-story building, with an area covering approximately 60,000 square feet, an adjacent parking lot and surrounding open space (Figure 1). The building was last used for circuit board manufacturing but operations ceased in May 2002. Except for the plant manager's office, the building is presently abandoned, and all manufacturing equipment has been sold.

Between 1988 and 2005, a number of investigations were conducted to characterize the site, delineate the extent of VOC contamination in soil and groundwater, and construct and operate a SVE system. Remedial studies were completed in 1988 and again in 1992 by Ebasco Services, Inc.TM (Ebasco) under the direction of the U.S. Army Corps of Engineers, (USACE) contractors to the EPA. In 2001, pre-remediation soil samples were collected by Sevenson to determine design parameters for the SVE system. Prior to the present investigation, borings to approximately 20 feet below ground surface (bgs) indicated the site is underlain by silty sands with some gravel. These sediments appeared to be either glacial fluvial deposits or more recent alluvial deposits of the Susquehanna River. Reported water level measurements of approximately 16 to 20 feet bgs, may represent the piezometric surface of a semi-confined unit underlying the surficial fine-grained sediments.

Following the construction of the SVE system in 2003, a limited number of soil samples were collected by other contractors in February, September and October of 2005 to evaluate the performance of the system. Analytical results indicated that VOC concentrations in soils still remained high within areas of the site, although the yield rate of the SVE system appears to be have dropped during its operation. The SVE system, although in place, is presently not operating

but has recovered more than 2,000 pounds of VOCs.

Prior to the May 2006 ERT/REAC soil gas sampling event, all of the site work had taken place outside of the site building. No investigations had taken place inside or beneath the building subslab. However, the analytical results of the soil gas sampling (Lockheed Martin/REAC, 2006) suggested that VOC sources could be present beneath the building and that residual sources also existed in at least one location beneath the parking area on the south side of the building. The immediate goal of the present investigation was to delineate the extent of these VOC sources using the previous soil gas analytical results as a basis for further soil and groundwater sampling efforts.

METHODS

Soil Sampling

Soil sampling was completed at the site from August 2, 2006, through September 8, 2006. The ERT/REAC GeoprobeTM was used to collect continuous five-foot long soil cores to depths of 20 to 25 feet at all sampling locations outside of the building (Figures 1 and 2) and at locations SB-001 through SB-004, SB-0012a and SB-0015 inside the building (Figure 3). Because of access problems, however, it was necessary to procure a sub-contractor with a smaller machine to core at locations SB-012a and SB-015. Coring was also attempted at three other locations inside the building near SB-001 and SB-012 but it was not possible with the smaller equipment to penetrate a gravel layer beneath the concrete floor. Note that two boring locations are designated "SB-012" and "SB-012a" respectively. Initially, a boring completed by the sub-contractor and a boring completed on the outside of the building by REAC were both inadvertently designated as "MW-012". The "a" designation was subsequently used for the boring advanced inside the building. This allowed the correct location number to be retained for subsequent boring samples that had already been assigned sample numbers and submitted for analysis.

Soil cores were collected in acetate sleeves from which a lengthwise strip was removed upon retrieval to expose the core. The core was then screened with an OVATM flame-ionization detector (FID) and the physical properties described. Portions of the core with elevated FID readings were sampled for VOCs. If elevated FID readings were not obtained in a borehole, a soil sample was usually collected near the bottom of the borehole, to verify the absence of contamination. Samples were collected in 4-ounce glass jars using dedicated stainless steel spoons. All samples were returned to the REAC Laboratory in Edison, New Jersey (NJ) under chain-of-custody procedures for analysis.

Groundwater Sampling

Based upon the FID field screening results, six locations were selected for installation of temporary groundwater monitor wells to depths of approximately 30 feet bgs (Figure 4). Wells were constructed of one-inch diameter polyvinylchloride (PVC) riser pipe and five feet of # 10 slot screen that were installed through the Geoprobe rods. The rods were then withdrawn, exposing the screened section to the formation. Groundwater grab samples were later collected from each well into 40-milliliter (mL) glass vials using dedicated bailers. The wells were assigned an "MW" prefix followed by the sequential number of the soil boring previously advanced at the same location. All wells were abandoned before leaving the site by pulling the screen and riser pipe and filling each hole with cuttings and/or cement grout.

In addition to the ERT/REAC wells, five older permanent monitor wells, installed by other contractors, were sampled using dedicated bailers. No number designations were available for the older wells and, except for the initial well sampled ("Old MW)", the wells were temporarily assigned letter designations as indicated on Figure 4. Two other older wells (MW-D, MW-E) were also accessed but were found to be dry. Well construction data for both the temporary and older permanent monitor wells (where known) are provided in Table 1.

Record Collection

During this mobilization, REAC staff visited the Town of Vestal Engineering Office and obtained copies of the 1976 as-built drawings for the public sewer that serviced the site building and the 1980 plans for the most recent building expansion as submitted by the previous owner, Chanago Industries. Prior to 1976, building sanitary waste was disposed

in an on-site septic system. These drawings are presently being studied to identify contamination pathways from the building to the underlying soils. The abandoned septic system leach field is a suspected source but does not appear to be shown on the drawings.

RESULTS

Lithology

Descriptive logs of the soil cores and results of the FID screening can be found in Appendix A. The general lithology of sediments underlying the site is fairly consistent. Excluding a thin gravel fill beneath the building subslab, the upper 15 to 20 feet of sediment is river alluvium consisting of uniform, well-sorted silt to clayey silt with lenses of well-sorted very fine sand. These fine-grained sediments are underlain by very coarse poorly sorted sandy gravels. The gravels are probably of Recent age but because of limited borehole penetration, both their thickness and origin are uncertain. South of the building, near the south edge of the parking area, cores from borings SB-042, SB-043, SB-044, SB-047, and SB-054 (Figure 2) indicate a transition of the brown silt and fine sand unit to a gray clay that occasionally contains some plant fragments or organic material. This suggests that the sediments underlying the south end of the parking lot represent overbank environments or relatively quiet water deposition.

Coring and water-level measurements (Table 1) indicated that the water-table at the time of the investigation was within the upper fine-grained sediments at depths ranging from approximately 13 to 15 feet bgs. These sediments probably act as a semi-confining leaky unit to the underlying saturated gravels encountered in most holes at approximately 20 feet bgs.

Soil Analytical Results

The analytical results of the soil sampling are provided in Table 2, which lists the most commonly detected VOCs. Compounds found in only a few samples are not shown in Table 2 but can be found in the Final Analytical Report, provided here as Appendix B. Note that VOC concentrations in Table 2 are given in micrograms/kilogram (μ g/kg) but for clarity, the soil VOC values on all figures are given in milligrams/kg (mg/kg).

Analytical results indicate that two areas of elevated VOC concentrations are present on the south side of the site building as shown on Figures 5 and 6. These areas were originally identified in the field by the FID core screening results. FID core screening values in the central portion of both areas exceeded 1000 parts per million (ppm) and were usually associated with strong solvent odors. The two areas of high soil VOCs generally correspond to those mapped earlier by Envirogen (2002) in an investigation completed for the USACE. Work by Sevenson (2005a,b) also verified the presence of a residual contaminated zone near the southwest portion of the building but did not appear to address the second zone on the southeast side of the building.

In the present investigation, the VOCs 1,1,1-trichloroethane (1,1,1-TCA) and trichloroethylene (TCE) were most prevalent and exhibited the highest concentrations. The compound 1,1,1-TCA was found in all but four samples representing three sampling locations (SB-050, SB-053, SB-054) and TCE was present in samples from all but four locations based on the detection limits indicated in Table 2. Detection of lower levels of TCE and other compounds was limited in most cases by the high detection limits necessary in the analytical procedure to quantify the unusually high values of VOCs present.

Acetone, and the break-down products 1,1-dichloroethene (1,1-DCE), and 1,1-dichloroethane (1,1-DCA) were common secondary compounds (Table 2) but their complete spatial distribution is not entirely defined because of the high detection limits. Gasoline compounds, particularly p&m-Xylene, were also found in many samples.

In nearly all borings, the highest concentrations of VOCs occur in the 15 to 20 foot depth range (Figures 5 and 6). Moreover, observations of staining patterns on cores suggests that the contaminants in many instances may have migrated within the silty matrix along lenses of more permeable very fine sand. The contact between the upper fine-grained sediments and the underlying gravels appears to be the lower depth limit of significant soil contamination.

Concentrations of all compounds decrease by orders of magnitude in the underlying saturated gravels because of dilution, high intergranular pososity, and low adsorptive capacity of the unit.

Eastern Area

The bulk of contamination in the eastern area consists mostly of 1,1,1-TCA with secondary amounts of 1,1-DCE and TCE. Other compounds such as cis-1,2-dichloroethene (cis-1,2-DCE) are generally absent at the detection limits indicated on Table 2. Significant levels of 1,1,1-TCA in the mg/kg (ppm) range occur in a narrow band extending southeast from approximately SB-005 to SB-044 (Figure 7). The highest level of contamination is centered around soil boring SB-030 (Figures 5 and 6) where the 1,1,1-TCA concentration is nearly 22,000 mg/kg at 16 feet bgs, or more than two percent (%) of soil mass. Likewise, the 1,1-DCE concentration (62.6 mg/kg) at 16 feet bgs is the highest for the area and the TCE concentration (12.1 mg/kg) is the second highest (Figures 8 and 9 respectively). The extremely high VOC contamination (in the thousands of ppm range) appears to be limited to an area approximately 20 feet long by less than 10 feet wide between SB-028 and SB-030 (Figure 6). Secondary areas of contamination with total VOC concentrations in the 1,000 to 4,000 mg/kg range occur to the southeast centered on soil borings SB-041, SB-044, and SB-045 (Figure 6).

The recommended New York State Department of Environmental Conservation (NYSDEC) soil cleanup criteria (1994) for 1,1,1-TCA to protect groundwater is 0.76 ppm. The area that encompasses soils with this concentration or greater is approximately 75 feet by 80 feet and is shown on Figure 7.

Western Area

The highest contamination in the western area is centered around soil borings SB-009, SB-022, and SB-023 where the highest total VOC concentrations are 26,200 mg/kg, 11,100 mg/kg, and 36,600 mg/kg respectively (up to 3.6 % of soil mass) within the 15 to 17 foot depth interval (Figures 5 and 6). The VOCs consist mainly of 1,1,1-TCA at concentrations of 19,000 mg/kg; 9,550 mg/kg; and 23,600 mg/kg respectively with TCE accounting for most of the remaining VOC mass (Figure 9, Table 2). Lower concentrations of 1,1-DCE and toluene in the low ppm range are also present. The area of highly elevated VOCs (in the thousands of ppm range) is approximately 25 feet by 20 feet. However, the area where concentrations of 1,1,1-TCA exceed the NYSDEC soil cleanup objective is approximately 75 by 35 feet.

Building Interior

Because of access limitations, it was only possible to install six soil borings inside the building (Figure 10). Nevertheless, the concentrations of VOCs in the soils generally correlated to the magnitude of soil gas concentrations measured in the previous site visit (Figure 3). The highest total VOC concentration was 243 mg/kg (Figure 11), of which 83.6 mg/kg was 1,1,1-TCA (Figure 12), occurred in soil boring SB-012a at 16 feet bgs. The highest concentration of 1,1-DCE found inside the building was 5.82 but it was below the method detection limit (Figure 13). The TCE concentration in boring SB-012a was likewise the highest detected inside the building at 108 mg/kg (Figure 14). Toluene and p&m-xylene were also relatively elevated at concentrations of 18 mg/kg and 15.5 mg/kg, respectively (Table 2). The compound cis-1,2-DCE was found at relatively low values in boring SB-012a with the maximum concentration slightly exceeding 1 mg/kg at 16 feet bgs. The signature of the contaminant is similar to that in the eastern area outside the building; i.e. TCA and TCE are the dominant contaminants.

In soil boring SB-004 (Figure 10), the highest VOC concentrations were found near the top of the hole in the five-foot depth sample (Table 2). For instance, the TCE concentration at five feet bgs was 1.01 mg/kg but decreased by two orders of magnitude in deeper samples. All of the other compounds (except 1,1,1-TCA) with detectable concentrations at five feet bgs, including cis-1,2-DCE; 1,1-DCE; 1,1-DCA and toluene are absent below the five-foot depth sample. Soil boring SB-003 also shows the same depth distribution for TCE and cis-1,2-DCE concentrations except that initial contaminant levels are an order of magnitude lower than in soil boring SB-004. These depth patterns suggest that the VOC source was within the building rather than outside. The zone of contamination also appeared to be approximately five feet above the water table at the time of sampling (see Table 1), further indicating that the contamination had probably not migrated beneath the building via the groundwater system. NYSDEC soil cleanup objectives are not

presented within the building because it is not certain that the limits of concentration have been completely defined.

Groundwater Analytical Results

The groundwater analytical results are provided in Table 3 and sampling locations are indicated on Figure 4. All of the wells were screened in the upper five feet of the gravel unit, just below the contact with the overlying silts. Of the 11 wells sampled, 1,1,1-TCA and TCE were found in all but monitor wells MW-A and MW-B. The compound 1,1-DCE was found in all monitor wells except MW43/44, MW-B, MW-F, and MW-G. The sample from Monitor Well MW-009 (Figure 2) contained the highest concentrations of 1,1,1-TCA and TCE at 1,640 milligrams/liter (mg/L) and 354 mg/L respectively. Significant concentrations of both 1,1-DCE (103 mg/L) and 1,1-DCA (30.2 J mg/L) were also present. The sample from Monitor Well MW-020, in the same area as MW-009 also contained 126 mg/L of 1,1,1-TCA and lower levels of 1,1-DCE (6.31 mg/L), 1,1-DCA (1.53J mg/L), cis-1,2-DCE (2.49J mg/L) and TCE (2.49J mg/L).

In the eastern area, the samples from monitor well MW-005 and MW-007 contained mainly 1,1,1-TCA at 75.8 and 22.1J mg/L respectively. Low levels of acetone and 1,1-DCE were found in the sample from Monitor Well MW-005 but not in MW-007. Inside the building (Figure 14), the sample from Monitor Well MW-001 contained 17.2 mg/L of TCE, 9.70 mg/L of 1,1,1-TCA and 6.86 mg/L of 1,1-DCE. In general, the groundwater analytical results were compatible with the soil sampling results that had previously suggested a possible sub-slab source of VOCs.

CONCLUSIONS

It is apparent that high levels of VOC soil contamination remain at the site despite the installation of the SVE system. As indicated earlier however, the yield of the SVE system appears to have steadily decreased while the system was in operation and Sevenson (2005c) noted that SVE extraction wells in areas with high VOC soil concentrations showed low yield rates. A careful look at the soil cores suggests that at specific locations, seemingly small differences in lithology, and therefore in permeability, may be critical to the efficiency of the SVE system. Staining on cores and closely spaced FID readings suggest that, in some cases, the VOCs have preferentially migrated into and along thin interbedded sands (where present) within the upper fine-grained unit. As discussed above, coring results also suggest that the soils become increasingly clayey towards the southern portion of the parking area on the south side of the building. The generally fine-grained nature of the upper 20 feet of soil, and the probable lack of continuity among the thin sand lenses, appear to limit the effectiveness of the SVE system.

Soil contamination outside of the building appears greatest in the 15 to 20 foot bgs depth range but drops off sharply in the underlying gravels. Moreover, the results of the monitor well sampling indicates that the shallow groundwater also contains high levels of VOCs. The occurrence of VOC concentrations in the thousands of ppm range in soils of the shallow fine-grained unit strongly suggests it is at least one source for the VOCs in the groundwater. The contribution from off-site areas or other nearby on-site areas was not investigated in this study.

The extent of contamination beneath the site building and its relation to exterior sources could not be well defined during this mobilization because of access problems and therefore additional investigations beneath the building may be warranted. Further work may involve, in preferred order (1) the use of a small portable soil boring equipment, (2) angle drilling to inaccessible subsurface locations within the building from either interior or exterior locations that are accessible to boring equipment, and (3) removal of partitions or other restrictions that limit rig access. However this last option may only be partially successful because overhead utilities that are vital to the integrity of the building, such as fire prevention and heating/cooling systems, further limit rig access. Additional soil sampling to confirm the absence of contamination is also recommended on the north side of the building (two to four locations) and just to the west of borings SB-011 and SB-027 on the southwest side of the building (two to four locations).

To effectively remediate the areas of high soil VOCs, an alternative to the existing SVE system appears necessary. Other options are presently being evaluated by REAC Engineering Group personnel and will be discussed in a subsequent report.

FUTURE ACTIVITIES

Additional work at the site will include the assessment and possible implementation of remedial methods and possibly additional subslab borings and sampling as indicated on Figure 11.

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Cc: Central File - WA # EAC00198 Electronic File - I:/Archive/REAC4/00198/D/TR/020907 Dennis Miller, REAC Program Manager (cover page only)

Well No.	Screen Interval (feet bgs)	Water Level (feet bgs)	Measured Depth (feet bgs)
MW-001	24 - 29	NA	29
MW-005	20 - 30	12.46	30
MW-007	25 - 30	14.20	30
MW-009	23 - 28	14.51	28
MW-020	23 - 28	13.80	28
MW-43/44	25 - 30	13.20	30
MW-A	UN	10.26	15.2
MW-B	UN	9.87	15.3
MW-C	UN	11.08	13.3
MW-D	UN	DRY	6.0
MW-E	UN	DRY	10.9
MW-F	UN	13.17	16.4
MW-G	UN	13.63	14.8

TABLE 1 MONITOR WELL DATA VESTAL CHLORINATED HYDROCARBON SOURCE ASSESSMENT/REMEDY SITE VESTAL, NEW YORK

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bgs = below ground surface NA = not available UN = unknown

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TABLE 2 VOCs IN SON. (microgram: Aligogram) VESTAL CHLORINATED HYDROCARBON SOURCE ASSESSMENT/REMEDY SITE VESTAL, NEW YORK

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27.7	1131	<u> </u>	0	1-090 7	108	n n	<u>n</u>	n N	<u> </u>	LO.11	6.8.41	10.62	0	28-051' 12.
<u> </u>	<u> </u>	++	1047	F 002'1	0411			<u> ''</u>	<u> </u>	n	1 8.01	n	0	A'81,150-82
1121	n n	\	the second s	10021	005 02			<u>├</u>	<u> </u>	0	10.5 J	13.61	143.1	28-051'13.
	+ <u>''</u>	$+-\frac{n}{n}$	<u>├</u>	12 100	162	+ <u>"</u>	<u> </u>	<u>├;;</u>	 ""	0	003	<u> </u>		28-050' 18 2-50.
}	1 11	1	<u>)</u>	<u> </u>	100		SAL AT 2FT		1	1	<u> </u>	I	1 <u> </u>	9 21 '610-85
h	1 0	1 0	n	6ZL	215	<u> </u>	1.88		1 0	691	0	1 0	1 0	810-85
<u> </u>	+;;	\	<u> </u>	102	154	† <u>''</u>	<u>n</u>	1	t "	1 0	 	<u> ;;</u>	 	58-016, 18 ⁻
<u>⊢ "</u>	-1;;-	+ <u>''</u>	<u> ''</u>	1961	175	+ <u>''</u>	 ""	1	t " "	8.151	<u>"</u>	 	+	28-012 30.
CYPE	127	1 1912	818	5,200	6,620	+;;;	1 0	1-" 	1 "	1 0	<u> </u>	<u>+;;</u>	+	9.71 110-85
	51.0.1	1 0	5387	1 1 191	1 1 1 1 1	1- <u>h</u>	t	1	1 10	1 6	1	210	+	28-013' 3.
	1 1 9.91	+;;	LISC	C 019'S	10 100 1	225	1	1 11	1 0	1	C 091'S	1		28-013 2.
1221	009'91	787	L 000.8P	000'801	63'200	1 0451	1 6	1241	l n	l ñ	C 028'S	5361	150.0	28-0129, 16
	n	l n	1 32 1	1'130	020'1	854	l n	l n	l n	l ä	121.0	l n	0	28-015" 8.
	- 1 	- 1	1 0	399	1 292	1 (9.91		+	1	1 1	1 n	1 <u>-</u>	1 1	28-015' 50.
1 ö	l n	1 6	l ñ	0251	182	1 0	l ñ) <u>n</u>	1 0	l ä	l ñ	l ñ	1 n	28-015' 19.
(010.6) U	1		1		83'400	(010,6) U	(010'E) n				(010'5) ((010'5) 0	11 '210-85
0		0	n	0/0'1	218	n	0	1 0	0	0	1 0	0	n	.6 '210-85
<u> </u>	<u>n</u>	-1		010'L	000'Z	n n	1 0	61.41	1 0	5.62	591	<u> </u>	1 <u>n</u>	.61 110-85
l ñ	l ñ	n	l ñ	122	125	l ñ	l n	0	l n	n	0	n	l ä	28-011'15'2
		- <u> </u>	1 n	28	0175	- 	1 0	58.17	- 	- 1 	138	- n	1	28-010 35
i n	1 ñ	1 n	l ä	801	2'810	1 con	l ñ	8.05	l ñ	1 ä	544	l ñ	l ñ	9.81,010-82
	1 ä	l ä	l ñ	74	011	n	l ñ	n	l ñ	1 ñ	l n) ñ	l ñ	.9'8'010-89
h	- 1	-1		92	342	1 n	- n	- n	- n	1 0	F # 24	1 0	- <u> </u>	8 008 58 2.
l n	l ñ	l n	1 ñ	961	296	l ñ	l ñ	C 1.02	i n	l ñ	343	i ii	n	8-008' 54 2
551	1 6	l n	l ñ	000'089	591	1.58	n	1 001	n	5'250	8/2	0	1 n	.81 '600-8
(006'02)		n (000'0E)					n (006'0C)	(008'0E)	OO6'0E)	(30'800) n (0 1 000 6	L (000'521).	n (006'0C) (
(009'06)					000'19	B (005'0C)			009'0C) U (002,0E)				
(15,200)					26,000		0 (002'21)		01(002.51)) (002'ZL)			n (007'71)	
Naphthaliane	Delim-Xylaine	<u><u></u></u>	Tolum	ที่พื	1.1.1.104	de 1,2. DOF	2-Butanone	1.1.004	Canbon Disulting	Meltiykene Chlonide	1.1-DQE	Alamone	Trichloroffuor o-methane	.oN gning

TABLE 2 (Continued) VOCs IN SOIL (microgramsAllogram) VESTAL CHLORINATED HYDROCARBON SOURCE ASSESSMENTARMEDY SITE VESTAL, NEW YORK

TABLE 2 (Continued) VOCs IN SOL (micrograms/kilogram) VESTAL CHLORINATED HYDROCARBON SOURCE ASSESSMENT/REMEDY SITE VESTAL, NEW YORK

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	7		7			7	-T							
Boring No.	Trichlorofluor O-methene	Catone	1,1-DCE	Methylene Chloride	Carbon Disufficie	1,1,004	2-Butanone	áte-1,2- DCE	1.1.1-704	<u>بر</u>		_ ۲	Phin-Xytene	Machithalene
SB-029, 16'	U (6,580)	U (28,300)		U (8,580)			Net							
SB-029,17.5	U (6,100)	U (24,400)					U (6,580)	U (6,580)	15,300		U (6,580)	U (6,580)	U (13,200)	U (6,580)
SB-029, 19'	U (6,250)	R 1				U (6,100)	U (6,100)	U (6,100)	7,550		U (6,100)	U (6,100)	U (12,200)	U (6,100)
SB-029, 20'	U (5,880)	U (23,500)	4,050 J			U (6,250)	U (6,250)	U (8,250)	340,000 J	U (6,250)		U (8,250)	V (12,500)	U (6,250)
SB-030, 15'	U (6,020)	the second s		U (5,880)	U (5,880)	U (5,880)	U (5,880)	U (6,880)	29,700	U (5,880)	U (5,880)	U (5,880)	U (11,800)	U (5,880)
SB-030, 16		U (24,100)	2,930 J	U (6,020)	U (6,020)	U (6,020)	U (6,020)	U (6,020)	133,000 J	U (6,020)	U (6,020)	U (6,020)	U (1,200)	U (6,020)
SB-030, 17.5	U (6,170)	U (24,700)	62,600	U (6,170)	U (8,170)	8,230	U (6,170)	U (6,170)	21,800,000	12,100	U (6,170)	U (6,170)	U (12,300)	U (6,170)
SB-030, 17.5	U (6,100)	U (24,400)	U (6,100)	U (8,100)	U (8,100)	U (6,100)	U (6,100)	U (6,100)	\$\$,500	U (6,100)	U (6,100)		U (12,200)	U (6,100)
	U	<u> </u>	173 J	_151 J	<u> </u>	<u> </u>	U	U	4,820	177 3	U I	U I	U I	U I
SB-031, 19.5'	U (3,010)	U (12,000)	U (3,010)	U (3,010)	U (3,010)	U (3,010)	U (3,010)	U (3,010)	24,100	U (3,010)	U (3,010)	U (3,010)	U (6,020)	U (3,010)
SB-032, 15'	U	U	U (6,020)	165 J	- U	U	U	U	3,430	461	U	U	- U	U U
SB-032, 16.5	U (31,300)	U (125,000)	U (31,300)	U (31,300)	U (31,300)	U (31,300)	U (31,300)	U (31,300)	689,000	U (31,300)	- 1	U (31,300)	U (31,300)	U (31,300)
SB-032, 19'	U (617)	U (2,470)	494 J	U (617)	U (617)	U (617)	U (617)	U (617)	13,300	699	U (617)	U (617)	U (1,230)	U (617)
SB-033, 12.5'	υ	R	U	159 J	U	U	U U	U	3,090	669	<u></u>	<u> </u>	U 1230/	
SB-033, 18.5'	U (6,170)	R	U (6,170)	U (6,170)	U (8,170)	U (6,170)	U (8,170)	U (6,170)	121,000 J	U (6,170)	U (6,170)	U (6.170)	U (6,170)	
SB-033, 19.5	U (595)	R	U (595)	U (595)	U (595)	U (595)	U (595)	U (595)	13,100	454 J	U (595)	U (595)	U (1,190)	U (6,170)
SB-034, 7.5'	U	U	U	U	U	U U	U	<u> </u>	78.9		U (380)	<u>U (5#5)</u> U		U (595)
SB-034, 18.5'	ບ (588)	U (2,350)	U (588)	U (588)	U (586)	U (588)	U (588)	U (588)	1,940		-		U	U
SB-035, 7.5'	U	U	U	U		U	U U	<u> </u>	305	638 J	U (588)	U (588)	U (1,180)	U (588)
SB-035, 19-20'	U (595)	U (2,380)	U (595)	U (595)	U (595)	U (595)	-			U	U	U	U	U
SB-036, 19.5'	U (575)	U (2.300)	410 J	U (575)	U (575)	U (575)	U (595) U (575)	U (595)	9,190	561 J	U (595)	U (595)	U (1,190)	U (595)
SB-037, 6'	U	<u> </u>	<u> </u>	U	U 0 (5/5)	U (8/8)		U (575)	10,700	271 J	U (575)	U (575)	U (1,150)	U (575)
SB-037, 20'	U (3,050)	U (12,000)	U (3,050)	U (3.050)	U (3,050)	-	U	U	80.3 J	υ	υ	U	U	U
SB-038, 15'	U (3,050)	U (12,200)	4,150	U (3,050)		U (3,050)	U (3,050)	U (3,050)	58,000	U (3,050)	U (3,050)	U (3,050)	U (6,100)	U (3,050)
SB-038, 18'	U (12,300)	U (49,400)	U (12,300)		U (3,050)	U (3,050)	U (3,050)	U (3,050)	156,000	854 J	U (3,050)	U (3,050)	U (6,100)	U (3,050)
SB-038, 20'	U (3,010)	U (12,000)		U (12,300)					278,000	U (12,300)	U (12,300)	U (12,300)	U (24,700)	U (12,300)
SB-039, 17'-16'	U (30, 500)	U (122,000)	2,400 J 12,700 J	U (3,010)	U (3,010)	U (3,010)	U (3,010)	U (3,010)	51,600	U (3,010)	U (3,010)	U (3,010)	U (6,020)	U (3,010)
SB-039, 19.5'	U (3,010)			U (30, 500)) U (30, 500		884,000	U (30, 500)	U (30, 500)	U (30, 500)	U (61,000)	U (30, 500)
SB-039, 20'	U (5,950)	U (12,000)	U (3,010)	U (3,010)	U (3,010)	U (3,010)		U (3,010)	86,500	U (3,010)	U (3.010)	U (3,010)	U (6,020)	U (3,010)
S8-040, 18"	U (15,400)	U (23,800) U (61,700)	U (5,950)	U (5,950)	U (5,950)	U (5,950)		U (5,950)	18,300	U (5,950)	U (5,950)	U (5,950)	U (11,900)	U (5,950)
SB-040, 20'	U (588)		U (15,400)	U (15,400					328,000	U (15,400)	U (15,400)	U (15,400)	U (30, 900)	U (15,400)
SB-041, 18.5'	U (122,000)	U (2,350)	319 J	U (588)	U (588)	U (588)	U (588)	U (588)	16,700	233 J	U (588)	U (588)	L U (1.180)	U (588)
SB-041, 19'			U (122,000				0)U (122,00	U (122,000)	2,650,000	U (122,000)	U (122,000)			U (122,000)
SB-042, 17.5'	U (2,870)	U (11,500)	U (2,870)	U (2,870)				U (2,870)	38,500	U (2,870)	U (2,870)	U (2,870)	U (5,750)	U (2,870)
	U (24,700)	U (98,800)	U (24,700))) U (24,700) U (24,700)	285,000	U (24,700)	U (24,700)			U (24,700)
SB-042, 19.5	U (1,220)	U (4,660)	1,180 J	U (1,220)	U (1,220	U (1,220)) U (1,220) U (1,220)	58,200	2110	U (1,220)	U (1,220)	U (2,440)	U (1,220)
SB-043, 20.5	U	153 J	25.3 J	U	17.5 J	76.5 J	21.5 J	U	1,650 J	55.3 J		18.8 J		
SB-044, 15.5'	U (602)	U (2,410)	519 J	U (602)	U (602)	U (602)	U (602)	U (602)	37 600	487 J	U (602)	U (602)	U (1,200)	U (602)
SB-044, 18'	U (126,000		U (126,000) U (128,00	0)U (128.00	0)10 (128.00	010 (128.00	01 U (128 000	3,200,000) U (128,000			
SB-044, 20'	U (116,000		U (116,000	I) [U (116,00	010 (118.00	010 (116.00	0)U (116,00	01 U (116,000						
SB-045, 17.5	U (62,500) U (250,000)	U (62,500) U (62,500) U (62.500	D) U (62.500	D) U (62,500)) U (62,500)) U (116,000)
SB-046, 16'	U (625)	U (2,500)	U (625)	U (625)	U (625)			U (625)	5,360	209 J				
SB-046, 16.5'	U (31,300) U (125,000)					0) U (31,30				U (625)	U (625)	U (1,250)	U (625)
SB-046, 20'	U (3,050)	U (12,200)	1,350 J	U (3,050						U (31,300)) U (62,500)	U (31,300)
					1 0 10,000	1 0 0,000	1 0 13,000) U (3,050)	95,300	3,590	U (3,050)	U (3,050	U (6,100)	U (3,050)

Table 2 (Continue) ABLE 2 (Continue) NEXTA ChatConstruction Not a Na Contract and Contract Next ChatConstruction Next ChatConstructin Next ChatConstruction Next ChatConstructin Next ChatConstructio
Baxing No. Baxing No. SB-047, 20' SB-048, 20' SB-048, 20' SB-048, 20' SB-048, 20' SB-051, 19.5' SB-051, 19.5' SB-051, 19.5' SB-055, 19.5' SB-056, 10.5' SB-056, 10.5' SB-056, 10.5' SB-0

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TABLE 3 VOCs IN GROUNDWATER (micrograms/itier) VESTAL CHLORINATED HYDROCARBON SOURCE ASSESSMENT/REMEDY SITE VESTAL, NEW YORK

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	n n	<u> </u>	<u>n</u>	n	n	r 214	456	2.15 J	n l	1'69	<u> </u>	0	33	43.1.7	<u> </u>	<u> </u>		OLD MW
		n	n			3'340	2,250	n	n	n	n	n	n	5'280 1	n	l n l	n	9-MM
	[^ '		n) n	. n	5.54 J	546	n) n	2.21) n		n		n	n	n	H-WM-F
	()	(n ,	n	n	(n)	n	n		וחו	n	i n	l n	n	n	n	n	n	8-WM
	, n	_ n	n		n	n		l n) n	L \$0.5	1 0	n l	5.20 J	n	n	n		qub A-WM
	n i		n	n	1 n		l n l	l n	n 1	L 29.5	l n	n	L 01.2		n) ∩		A-WM
	<u>۱</u>)) n	[2.51	1.21	n	n	n	l n	i n	l n	i n i	n l	0		MW-43/44
	l n		99.2	0	\$6.8	L 062,2	126,000	2,490 J	17.8	1,530 J) n	C.71	6,310	l n	l n	524 7	C 19-8	020-MW
		(000,001) U					166,000	(000'05) N	(000,02) U	16,900 J	(000'05) N	(000'05) N	16,300 J	(000'00Z) n	i n	(000'05) N	(000,02) U	dub 800-WM
	22.6	1.5.14	L 0.75	302 1	353 7	324'000	000,0 1 8,1	522 1	L 9.27	30'500 7	n	5,640 J	103,000	1 n	n	60.2 J	62.4.1	600-MW
	^	^	4.25 J	[]	1 0	154 J	22,100 J	\$ <u>7</u> .8	n	132	3.63.J	438 1	428 1) n	l n	116	L 92.1	200-MW
) n	1 0	(∩	0	LIGT	75,800	l n	{	544 7	1 n		052'1	C 0412	n	l n	n	200-WM
		1 <u>0</u>	<u> </u>	152	<u> </u>	11,200	002'6	3'310	<u> </u>	265] _n_	122.1	098'9	n	C LOP	1	n	100-WW
/	Naphthalene	Påm-Yylene	POF	Tolluene	1.1.2.TCA	ICE	1.1.1-TCA	cha-1,2. DCE	2-Butanone	1.1.0CA	Carbon Disufficie	Methylene Chlonide	1.1.0 _{CE}	Acetone	Trichiorofluorometh	Chloroethane	Unit Chiloride	

PCE = Tetrachloroethene

ensitiemoldoid-1,1 = AOd-1,1

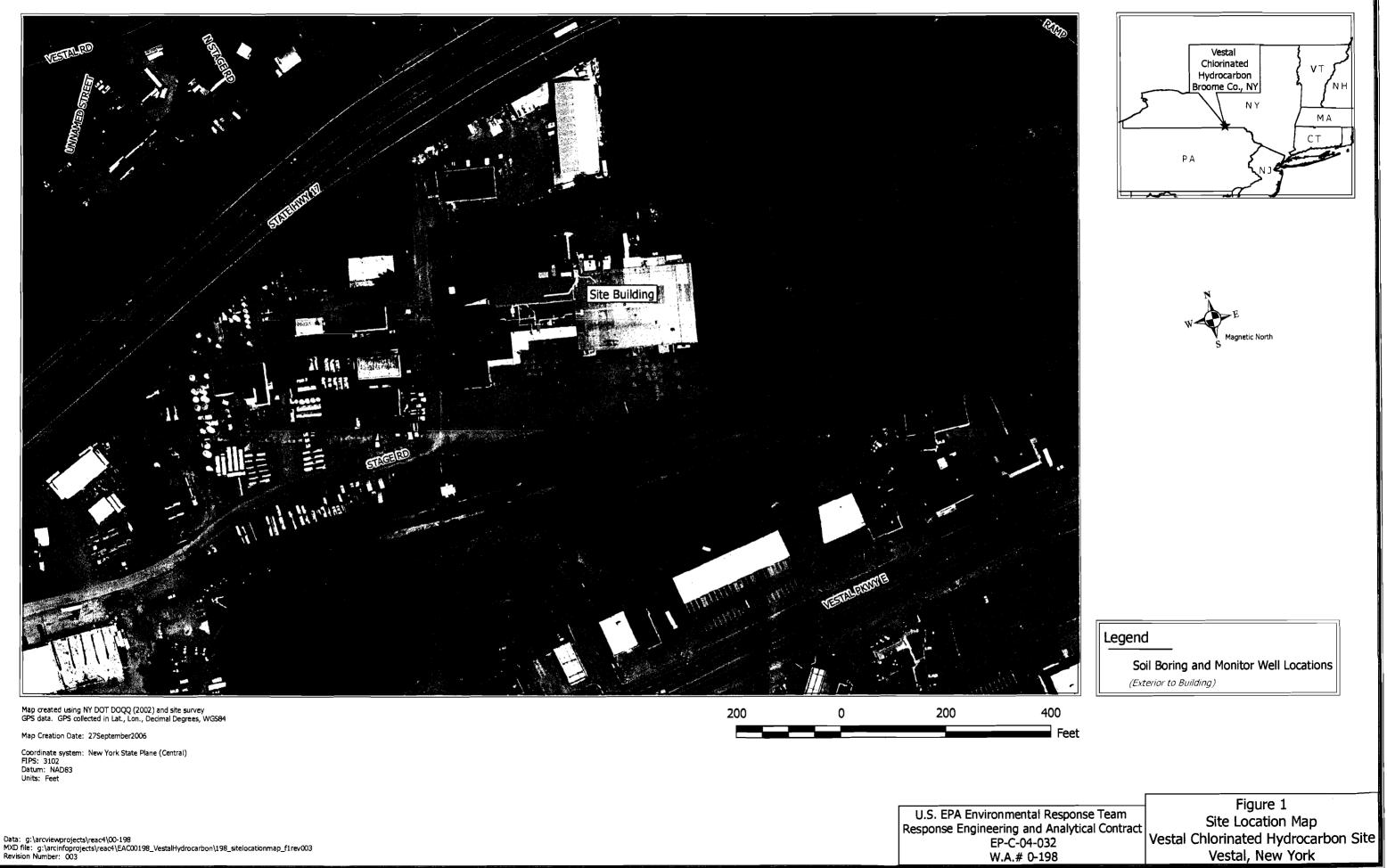
1,1-DCE = 1,1-Dichloroethere

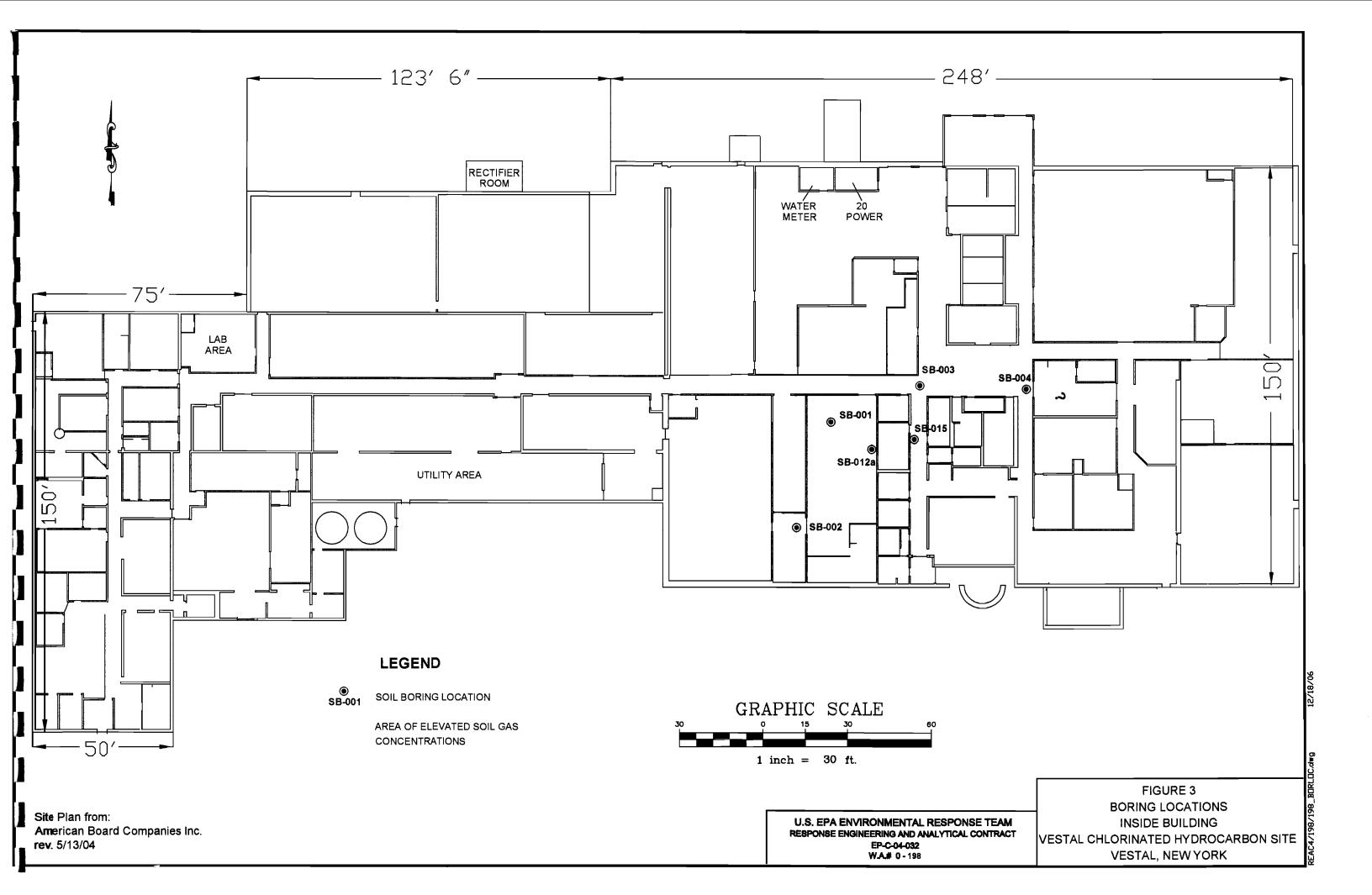
cis-1,2-DCE= cis-1,2-Dichloroethene TCE = Trichloroethene J = estimated value D = non-detect (reporting limit) Bold = detected compound

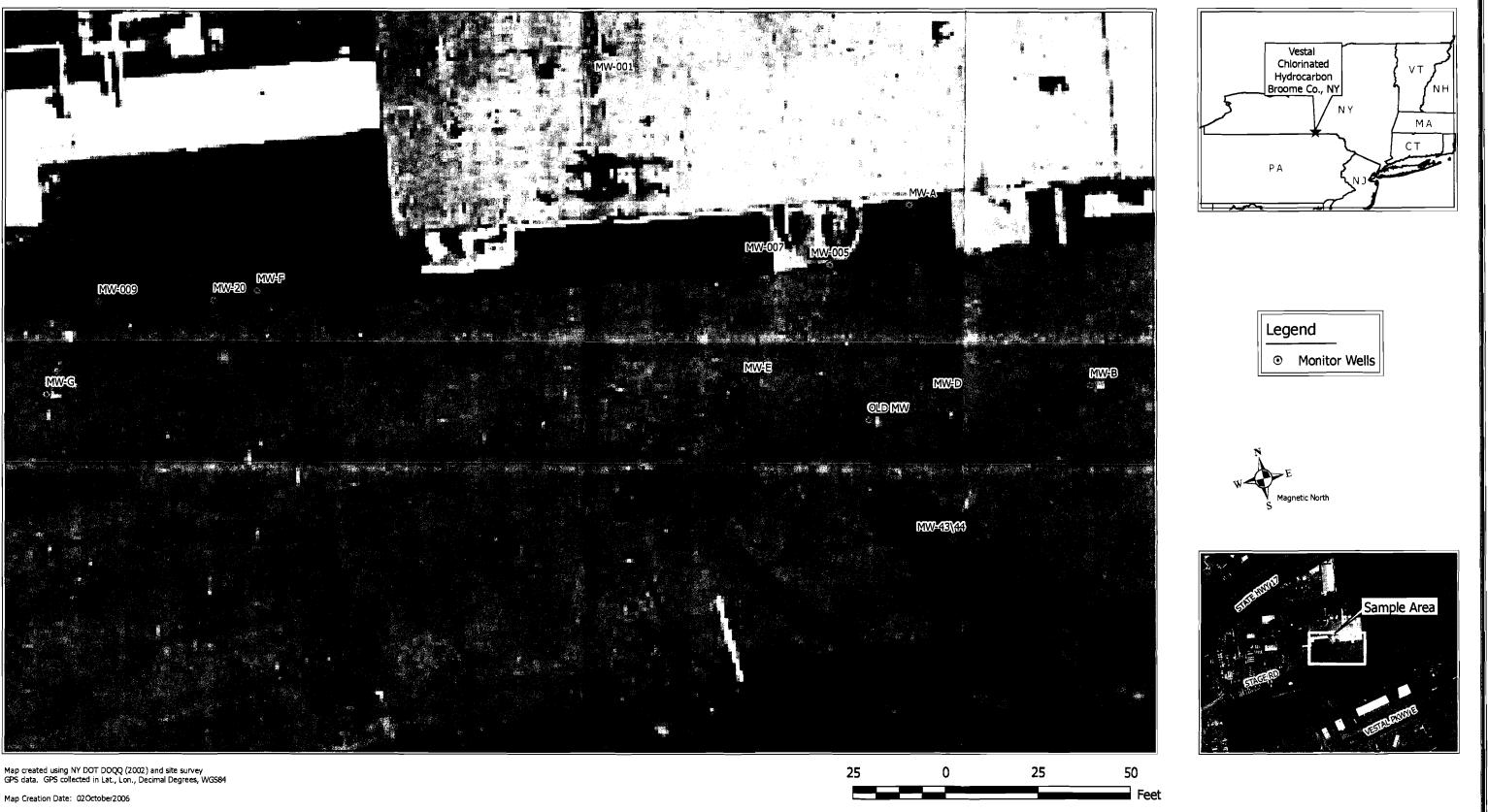
1

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TO2120-ATO-8610





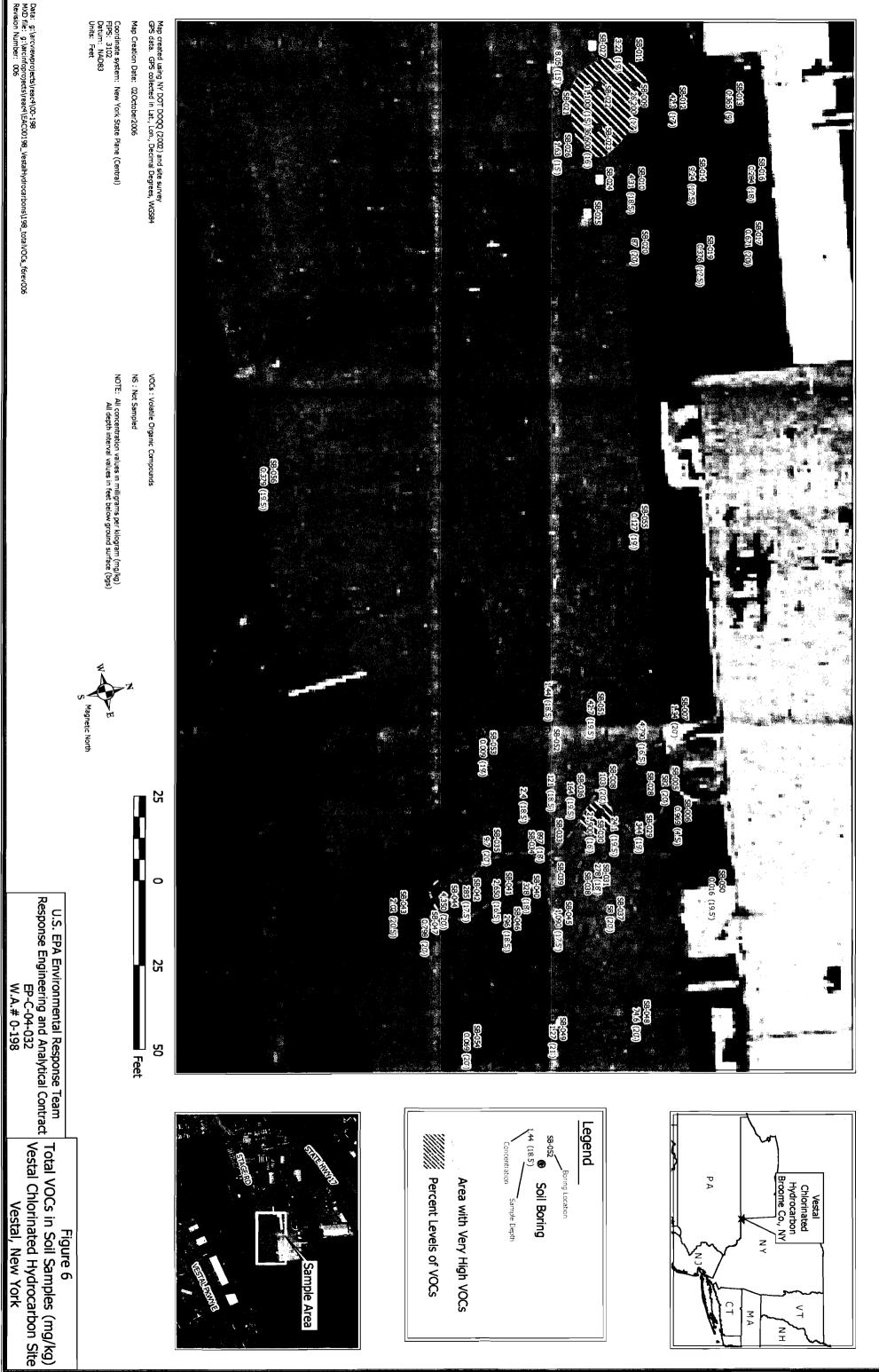


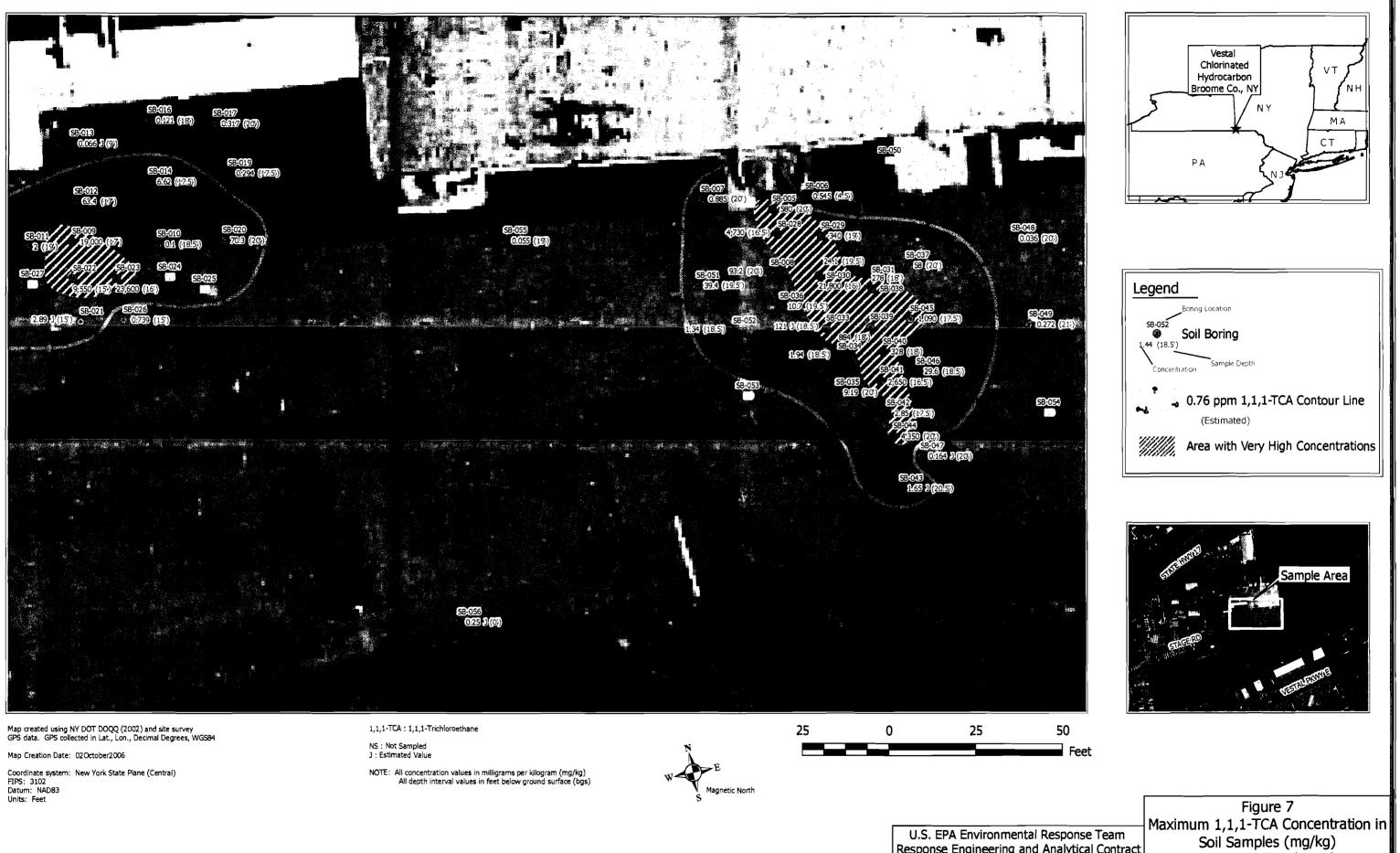
Coordinate system: New York State Plane (Central) FIPS: 3102 Datum: NAD83 Units: Feet

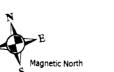
Data: g:\arcviewprojects\reac4\00-198 MXD file: g:\arcinfoprojects\reac4\EAC00198_VestalHydrocarbon\198_wellmap_f4rev003 Revision Number: 003

U.S. EPA Environmental Response Team Response Engineering and Analytical Contract EP-C-04-032 W.A.# 0-198

Figure 4 Well Location Map Vestal Chlorinated Hydrocarbon Site Vestal, New York



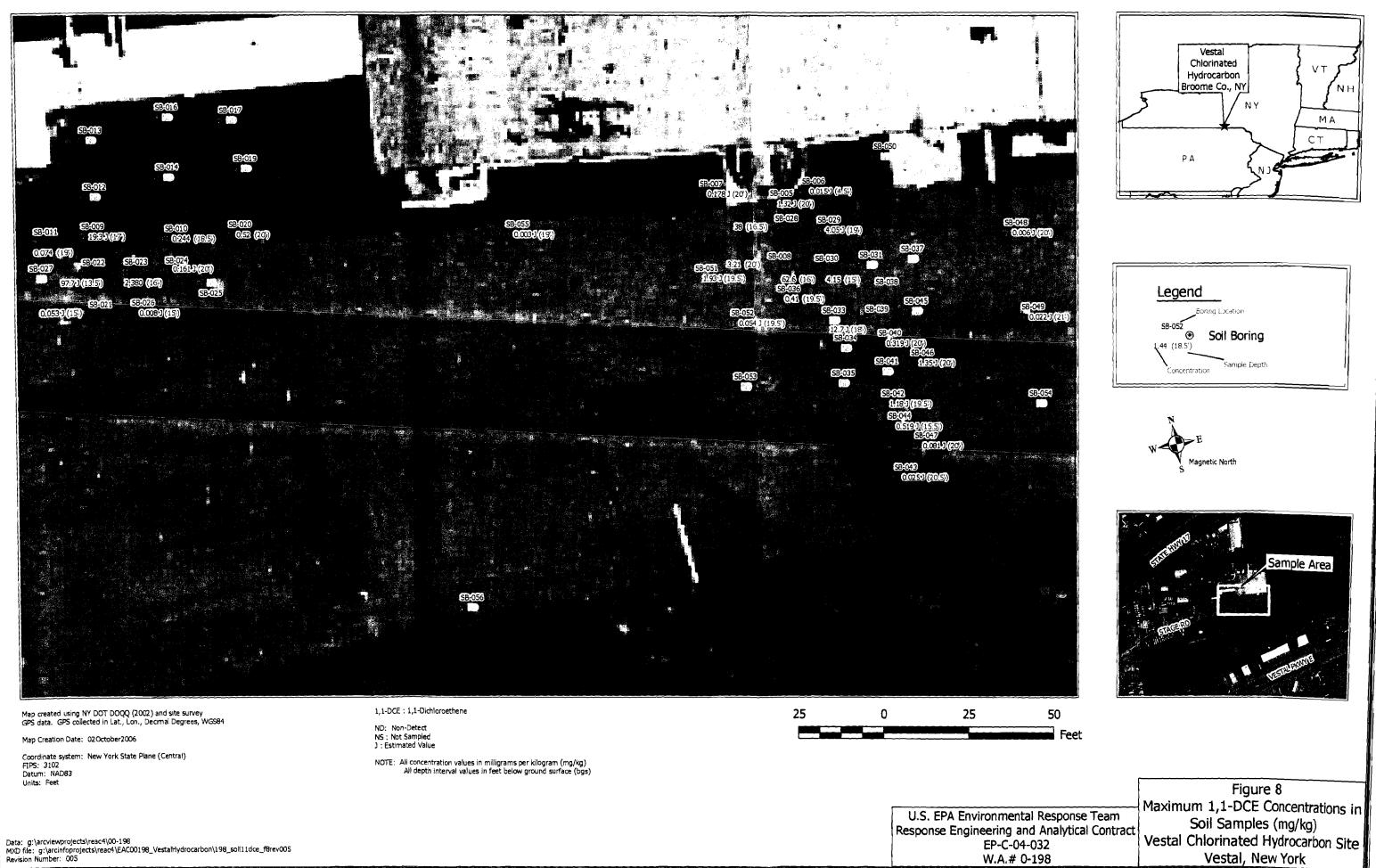


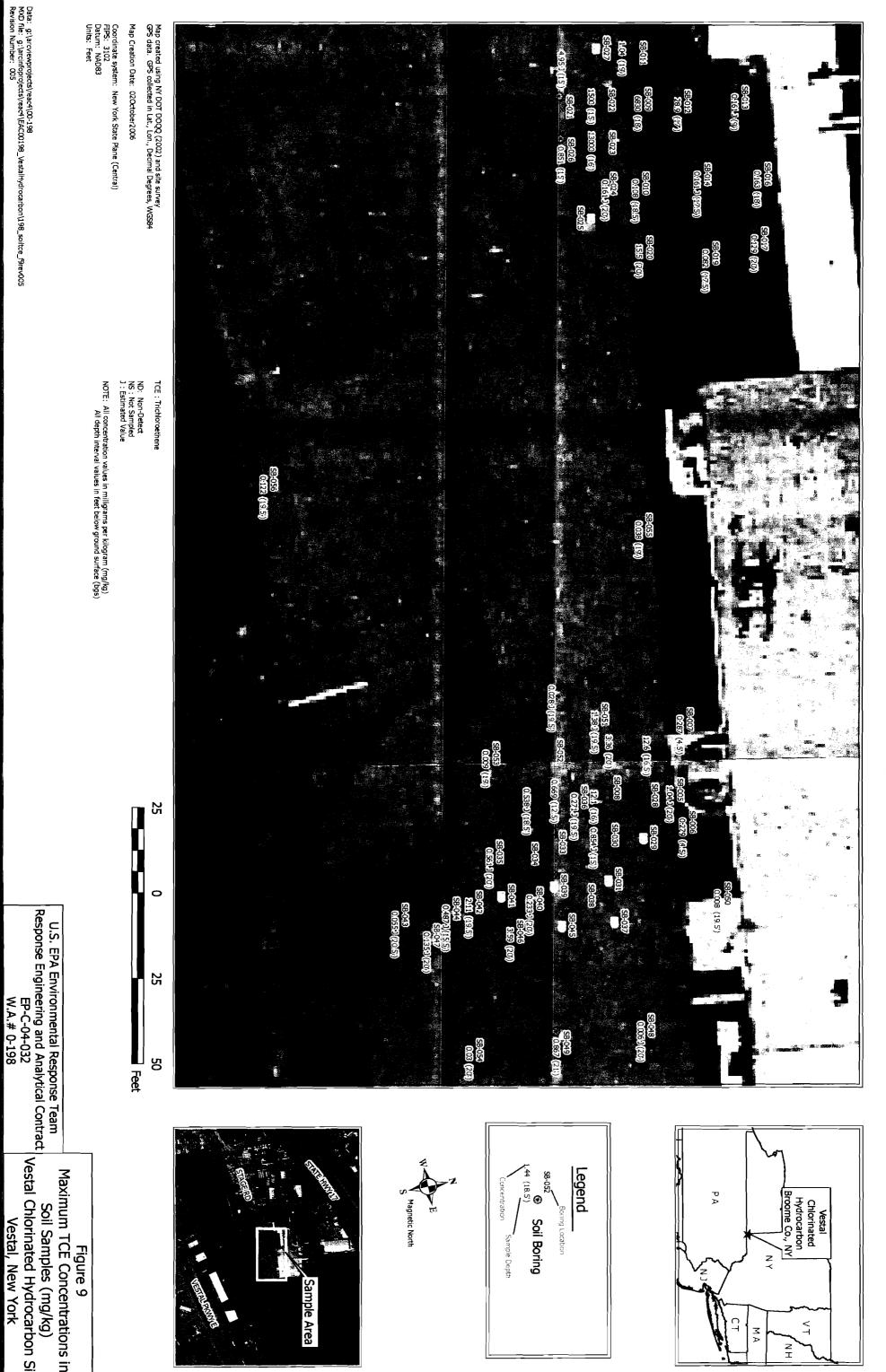


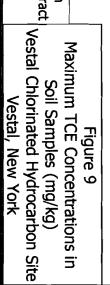
Response Engineering and Analytical Contract EP-C-04-032 W.A.# 0-198

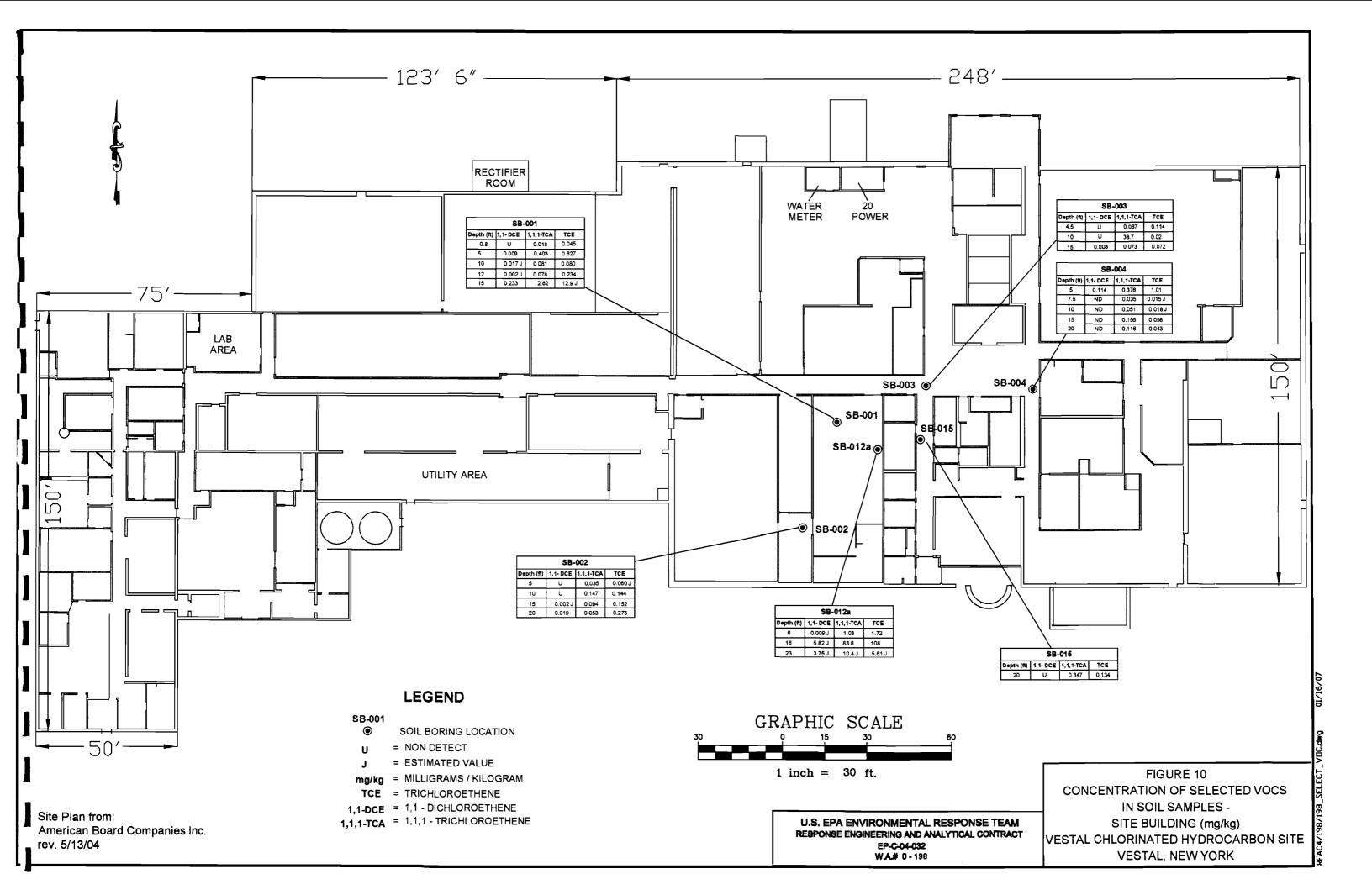
Data: g:\arcviewprojects\reac4\00-198 MXD file: g:\arcinfoprojects\reac4\EAC00198_VestalHydrocarbon\198_soil111tca_f7rev005 Revision Number: 005

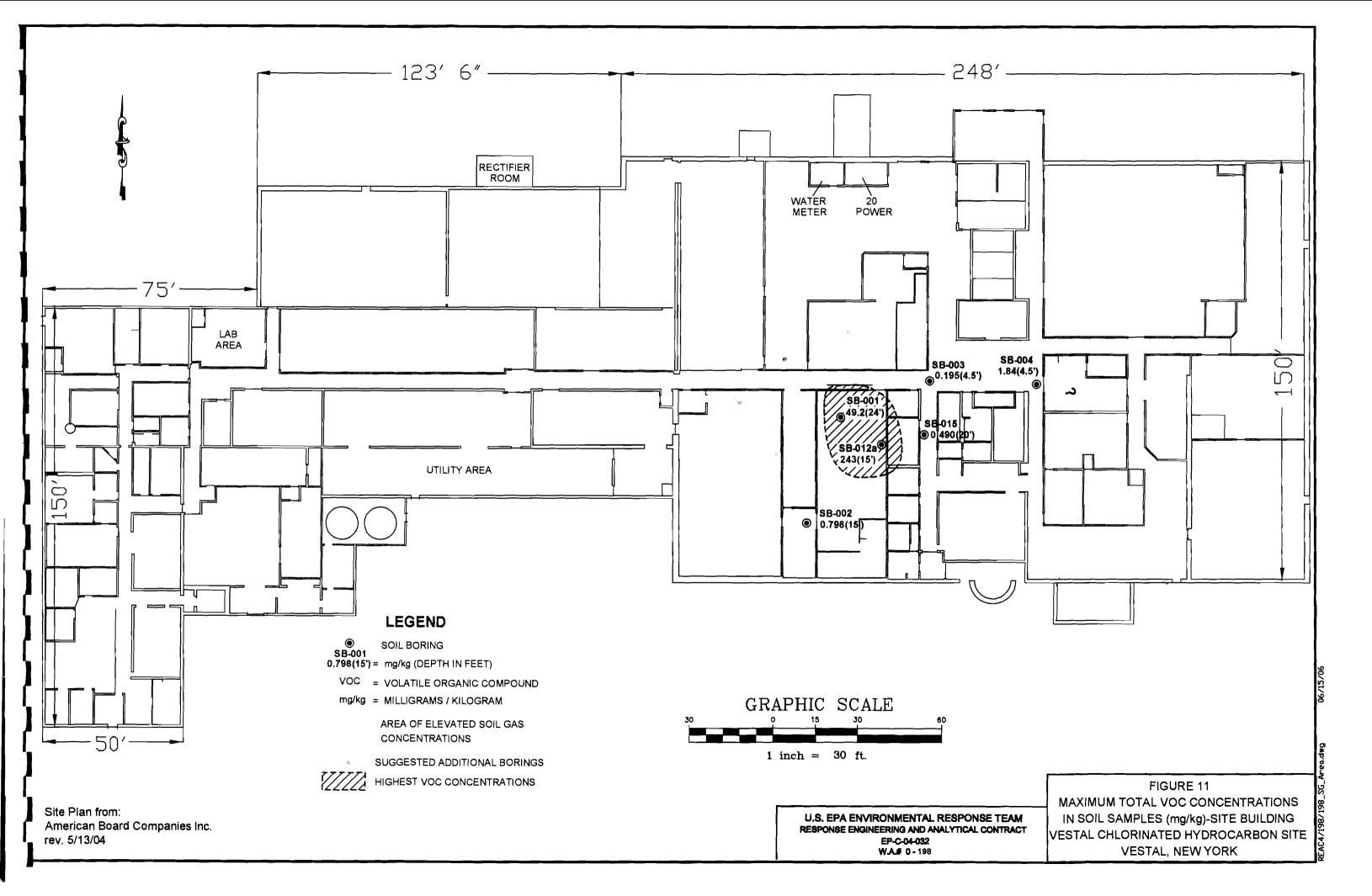
Soil Samples (mg/kg) Vestal Chlorinated Hydrocarbon Site Vestal, New York

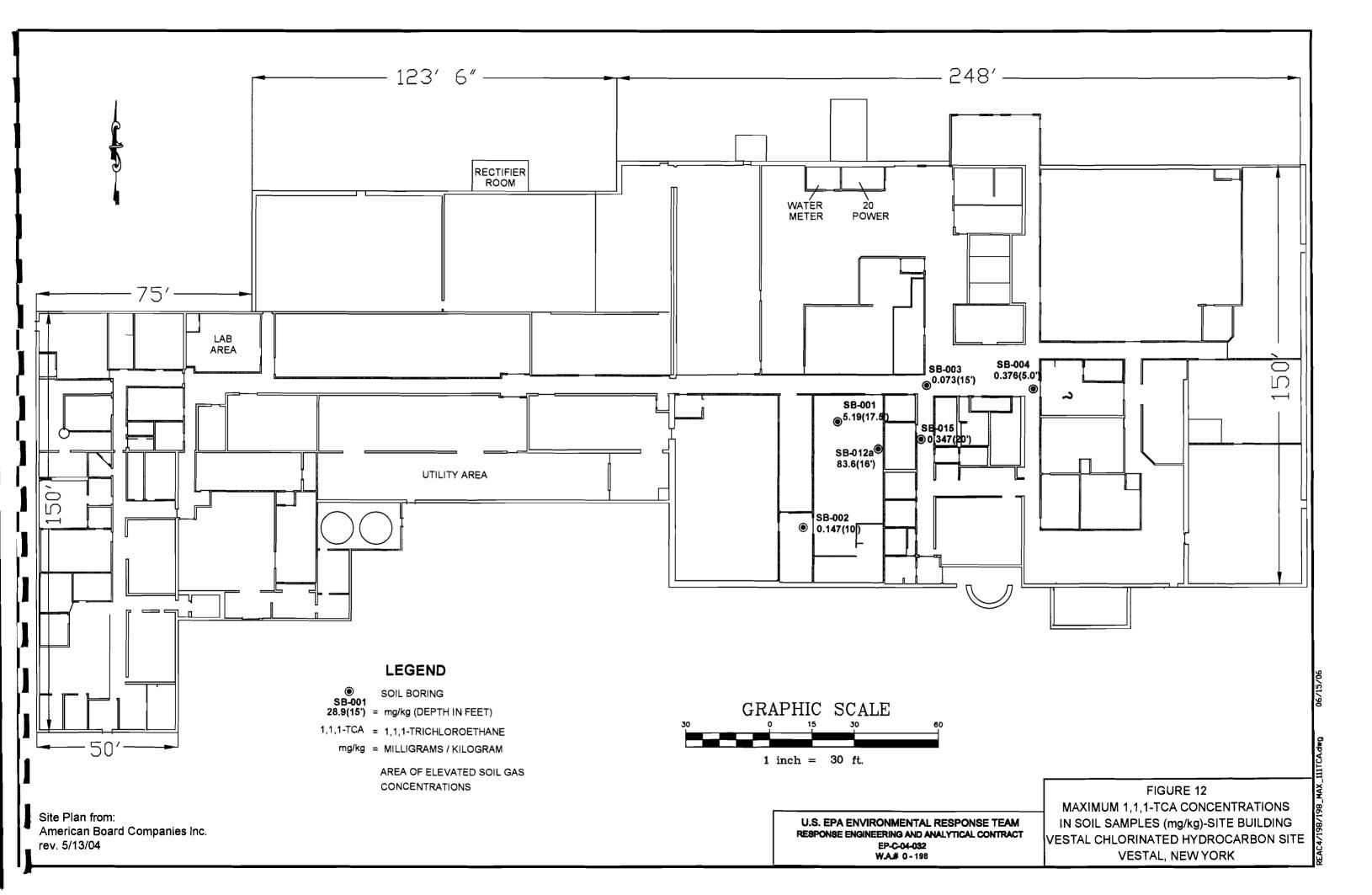


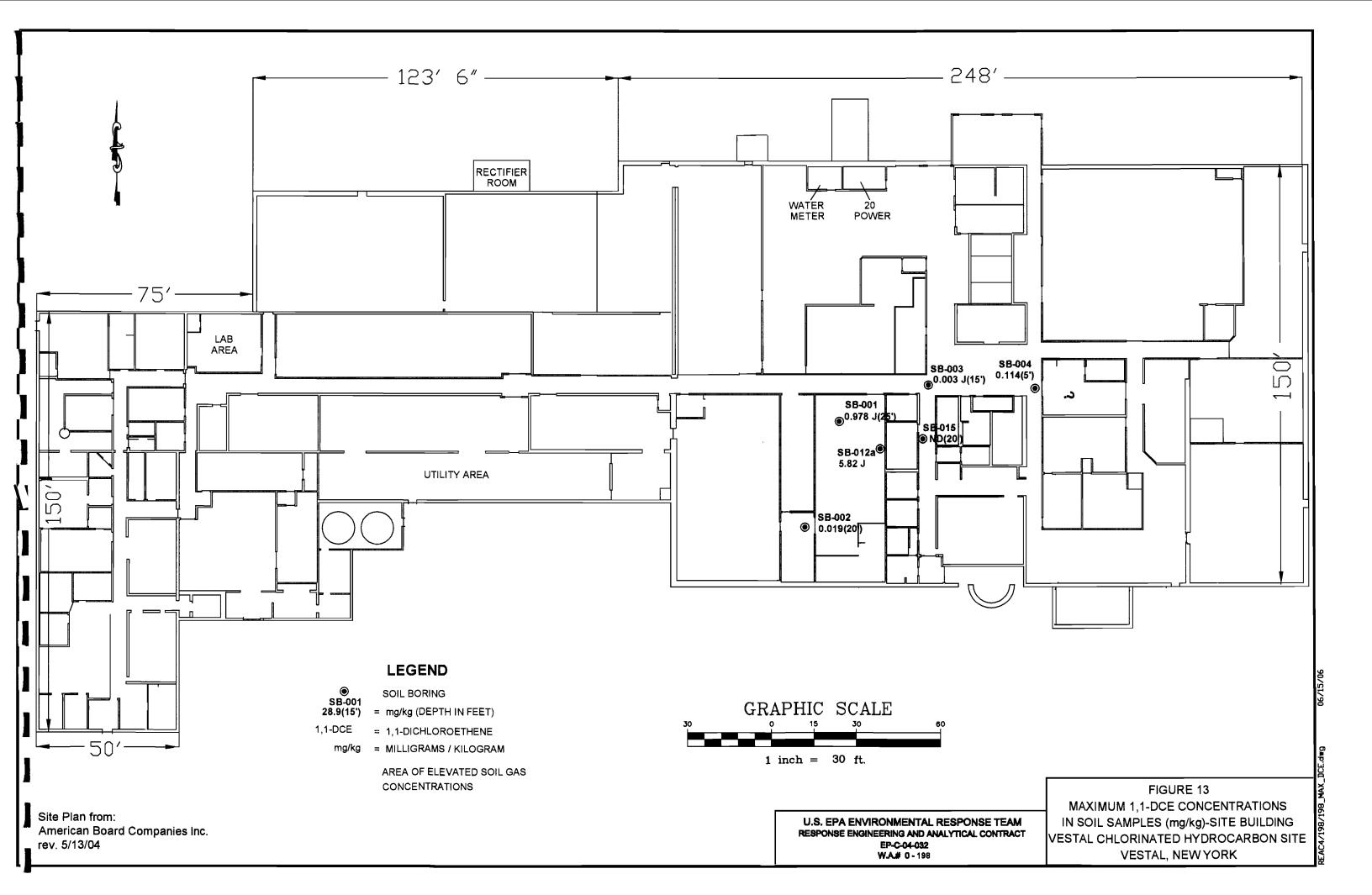


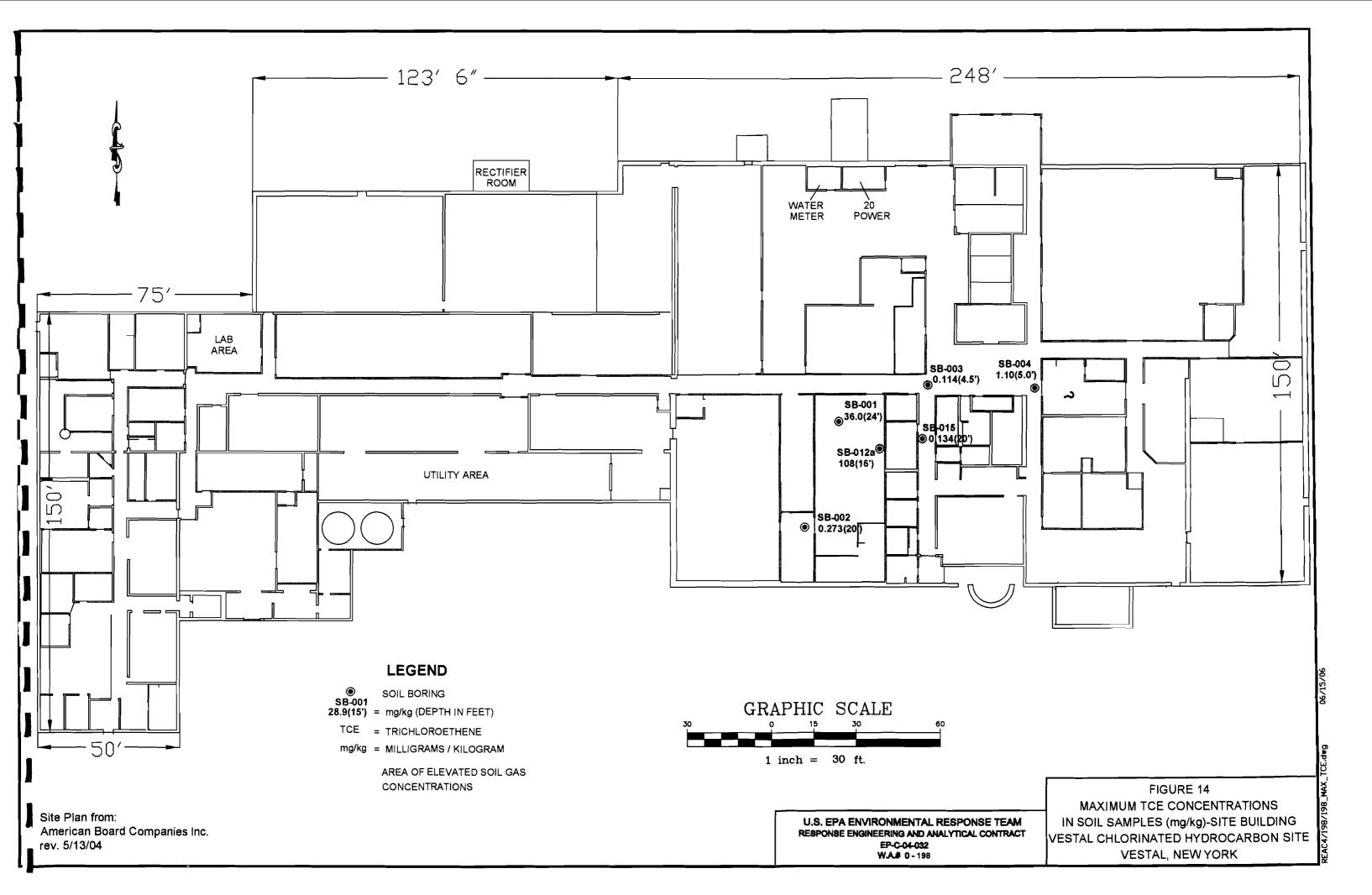












APPENDIX A SOIL BORING LOGS VESTAL CHLORINATED HYDROCARBON SOURCE ASSESSMENT/REMEDY SITE VESTAL, NEW YORK

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CORE DESCRIPTIONS

Depth (feet bgs)	Recovery %	FID - ppm	Lithology
SB-001		к	
0 - 0.25	ំណ	an an an tha an 12 anns a' stàiteann an 12 anns an 12 an	Concrete bldg floor
0.25 - 5.0	80	20	FILL - large pebbles, poorly sorted silt and sand
5 - 10	10	1	SILT, brown to gray, slightly clayey, slightly cohesive, dry
10 - 15	100	10 - top	SILT, brown, slightly clayey, slightly cohesive, dry to moist
10 - 15	100	50 ppm 14-15 ft	Sier, brown, signay clayey, signay conesive, ary to moist
15 - 20	77	20 - 100	SAND, very fine, gray-brown grading downward to clayey SILT,
13-20		20-100	to silty CLAY, cohesive, wet at bottom of interval
20 - 25	47	50 -100	20 - 24 ft:SILT, clayey, gray-brown, grading downward to silty CLA
20-25	20-20 47 50-100		22 - 24 ft. SILT, clayey, gray-brown, grading downward to silty CLA 24 - 25 ft: GRAVEL, coarse, sandy, wet
25 - 30	NA	50	SAND, brown, medium, with large gravel at 29 to 30 ft
SB-002			
0-5	72		Concrete fragments and FILL
0-5 5-10	NA	2 - 10	SILT, brownish-gray, friable to slightly cohesive, slightly clayey,
5-10	INA	2 - 10	dry, oxidized at bottom of core
10 15	75	4 0	
10 - 15	75	1-9	SILT, brownish-gray, dry, oxidized
15 - 20	72	0.5 - 5	SILT, brownish-gray, clayey, slightly cohesive, dry to moist
SB-003	60	20 4	
0-5	69	30 - top	Concrete fragments and FILL
- 10		10 - bottom	
5 - 10	33	0.5	SILT, brownish-gray, dry, oxidized
10 - 15	78	0.5	SILT, brownish-gray, uniform, friable to slightly clayey, wet
SB-004	Maria Salara		e dalarika shikira a shikiriki ta atsahiri da Kibi ta da
0-5	57	10 - 30	Concrete fragments and FILL
5 - 10	68	20 ppm 7.5 ft	SAND, very fine to SILT, friable, brownish-gray, dry
		0 ppm 10 ft	
10 - 15	70	0	SAND, very fine to SILT, friable, brown, wet at 14 ft
15 - 20	88	0	SAND, very fine to SILT, friable, brown, wet
SB-005	And Same	Sala da pagalita da	an a
0-5	47	100	0 - 3.5 ft: FILL
1	}		3.5 - 5 ft: CLAY, dark gray, silty, cohesive
5 - 10	80	30 ppm_at top	SILT, brown, uniform, dense, slightly clayey, moist
1		0 ppm 6-10 ft	
10 - 15	81	0	SILT, brown, uniform, dense, slightly clayey, wet
15 - 20	78		SILT to very fine SAND, brown, wet
1		half of core	
20 - 25	4	3-4	SAND and coarse GRAVEL, poorly sorted, saturated
SB-006			
0-5	70	0 ppm 0-3 ft	SILT, brown, uniform, dense, slightly clayey, dry
		200 ppm 3-4 ft	
		850 ppm 4-5 ft	
5 - 10	77		SILT to very fine SAND, brown, dry
10 - 15	80		SILT, brown, clayey, uniform, dry
15 - 20			15 -19 ft:SILT to fine SAND
{		{	19 - 20 ft:SAND, coarse and large GRAVEL
	47		GRAVEL, very large, and coarse SAND, saturated

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Depth	Recovery %	FID - ppm	Lithology
(feet bgs)	70		
SB-007	00	0	CIII T. brown to alcow CIII T. argania waifarm day
0 - 5	83	0 ppm 0-4 ft	SILT, brown to clayey SILT, organic, uniform, dry
F 10	75	200 ppm 4-5 ft	CII T. brown writere des
5 - 10	75	20 ppm 6 ft	SILT, brown, uniform, dry
10 15		0 ppm rest of core	
10 - 15	80	0	SILT, brown, slightly clayey to fine SAND uniform, dry
15 - 20	73	8 ppm 20 ft	15-19.2 ft: SILT, brown, slightly clayey to fine SAND uniform
	-	0 ppm rest of core	19.2-20 ft: SAND, fine to med. and very coarse GRAVEL, wet
20 - 25	50	4 - 8.5	SAND, fine to medium and very large GRAVEL, angular
SB-008	Constant State		handrad to deve the and the second of the second
0 - 5	53	100 ppm 5 ft	0-0.5 ft: FILL
			0.5-5 ft: SILT, gray-brown, clayey, uniform, slightly organic
5 - 10	63	5 - 10	SILT to very fine SAND, brown, uniform, dry
10 - 15	85	0 ppm 10-13 ft	SILT to very fine SAND, brown, uniform, dry
		100 ppm 13-15 ft	
15 - 20	25	70 - 100+	15-19.5 ft:SILT, brown, slightly clayey
			19.5-20 ft: SAND and very large GRAVEL, angular, saturated
20 - 25	<u>61</u>		SAND and very large GRAVEL, angular, saturated
SB-009		a a ka da ka ka ya katalika k	e de la seconda de la seconda da composición de la seconda de la seconda de la seconda de la seconda de la sec
0-5	75	1 - 10	0-0.5 ft: FILL
			0.5-5 ft: SILT, brown, uniform, dry
5 - 10	85	4-8	SILT, brown, uniform, dry
10 - 15	95	300 ppm 10-13 ft	SILT to very fine SAND, brown, uniform, dry
		1000 ppm13-15 ft	
15 - 20	78	800 - 1000	15-18.5 ft: SILT to very fine SAND, brown
			18.5-20 ft: SAND and very large GRAVEL, angular, saturated
20 - 25	53	10 - 20	SAND and very large GRAVEL, angular, saturated
	de la come d	las a statistica statistica	
0 - 5	80	1	SILT to very fine SAND, brown, uniform, dry
5 - 10	86	1	SILT to very fine SAND, brown, uniform, dry
10 - 15	88	1	SILT, brown, uniform
15 - 20	85	8 - 10	15-16 ft: SAND, very fine, brown, moist to wet
·		4.5	16-20 ft: GRAVEL, very large, angular, poorly sorted, saturated
20 - 25	72	10 - 40	GRAVEL, very large, angular, poorly sorted, saturated
SB-011	<u> </u>		
0-5	NA	0 - 0.5	0-0.5 ft: FILL
		,	0.5-5 ft:SILT, brown, uniform, dry
5 - 10	77	1	SILT to very fine SAND, brown, uniform, slightly clayey, dry
10 - 15	83	1-2	SILT to very fine SAND, brown, uniform, dry
15 - 20	38	10 - 30	GRAVEL, very large, angular, poorly sorted, saturated
SB-012	00		
0-5	80		0-1.5 ft: topsoil and fill
F 40		,	1.5-5 ft: SILT, brown, uniform, dry
5 - 10	80		SAND, brown, very fine, well-sorted, grading downwards to silt
10 - 15	86		SILT to very fine SAND, brown, uniform, dry
15 - 20	NA		15-18.5 ft: SILT, brown, unifrom, dry to wet
1		30 ppm 17-20 ft	18.5-20 ft: SAND and very large GRAVEL, angular, saturated

Depth (feet bgs)	Recovery %	FID - ppm	Lithology
	Inside Bldg		
0 - 4) 2 - 7	Concrete fragments and FILL
4-8	I I		-
	57	6 - 7	SILT, brown, uniform, slightly clayey
8 - 12	NA	1-2	SAND and GRAVEL, poorly sorted, probably fill fallback
12 - 16	77	20 ppm top of core	SILT, brown, uniform, with fine SAND lenses, dry
	} }	500 ppm 16 ft	solvent odor
16 - 20	1 ł		mostly fallback
20 - 24	77	150	SILT, brown, uniform, with fine SAND lenses, dry
SB-013		·····	
0 - 5	73	0 - 10	0-2 ft: topsoil and fill
•			2-5 ft: SILT to fine SAND, brown, dry
5 - 10	75	70 - 100	SILT, stained dark gray, slightly cohesive, petroleum odor,
			organic (?) fragments in bottom of core
10 - 15	82	2 - 3	SILT, brown, uniform, with fine sand stringers,
			grading downward to clayey SILT, moist
15 - 20	67	5 - 10	SILT, clayey, with very fine sand stringers, moist to saturated
SB-014			
0 - 5	88	0	0-1 ft: TOPSOIL
			1-5: SILT, brown, uniform, dry
5 - 10	98	0 - 1	SILT, brown to very fine SAND, uniform, dry
10 - 15	87	0	SILT, brown, uniform, with fine sand stringers,
15 - 20	62	10 - 60	15-18.5 ft: SILT, brown, uniform, with fine sand stringers
			18.5-20 ft: SAND, medium, brown, well-sorted, saturated
SB-015	ren de la	ite and the state	
0-4	57	2 - 8	0-1 ft: CEMENT fragments
1			1-4 ft: FILL - poorly sorted snd and gravel
4-8	67	5- 7	SILT, brown, uniform, dry
8 - 12	80	1 - 10	SILT, brown, uniform, moist
12 - 16	61	3 - 10	SILT, brown, uniform, moist
16 - 20	78	<u>2 - 10</u>	SILT, sandy grading downward to fine SAND bottom of core
SB-016	(1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		
0-5	69	0 - 1	SILT, brown, uniform, dry
5 - 10	88	0 - 1	SILT, brown, uniform, dry
10 - 15	85	0	SILT, brown and fine SAND, weathered fossiliferous rock frag., we
15 - 20	60	0	15-19 ft: SILT, brown, with fine SAND lenses
CD 047	<u> </u>		19-20 ft: GRAVEL, coarse with SAND, poorly sorted, saturated
SB-017 0 - 5	83	0	0-1 ft: TOPSOIL, FILL
0-J	00	U	1-5 ft: SILT, brown, with very fine SAND lenses, dry
5 - 10	83	0	SILT, brown, very slightly sandy, uniform, dry
10 - 15	77	0	SILT, brown, with very fine SAND lenses, wet
15 - 20	58		•
the second s		0	SILT, brown, with very fine SAND lenses, wet
SB-018		·	Refusal at 2 ft
SB-019		0	
0-5	NA	0	0-1 ft: TOP SOIL
			1-5 ft: SILT, brown, uniform, dry
5 - 10	NA	0-2	SILT, brown, with very fine SAND lenses, slightly clayey, dry
10 - 15	NA 53	0	SAND, very fine to SILT, brown, slightly clayey SILT, brown, with very fine SAND lenses
15 - 20		0	

Depth (feet bgs)	Recovery %	FID - ppm	Lithology
	/0		
SB-020		and the second second second	- 「「「「「「」」」、「「「「」」」、「」」、「」」、「」」、「」」、「」、「」」、「」、「
0-5	88		0-1ft: TOPSOIL
	}	1	1-5 ft: SILT, brown, uniform, dry
5 - 10	90	0	SILT, brown, with very fine SAND lenses, dry
10 - 15	63	0	SILT, slightly clayey, with small fragments of organic matter
15 - 20	53	0-2 ppm 15-17 ft	15-18.5 ft: SILT and very fine SAND, gray-brown, clayey, oxidized
		20-50 ppm 17-20 ft	18.5-20 ft:GRAVEL, very large, and sand, poorly sorted, saturated
SB-021		Constants and the second	
0-5	78	0.5 - 4	SILT, brown, uniform, dry
5 - 10	98	0-1	SILT, brown, uniform, dry
10 - 15	83	10 ppm 13 ft	SILT, brown, slightly clayey, uniform with fine SAND lenses
10 10	00	80-100 ppm 14-15 ft	
15 - 20	57	10 - 30	GRAVEL, large, with SAND, poorly sorted
SB-022	· · · · · · · · · · · · · · · · · · ·	<u> </u>	
0 - 5	69	4-8 ppm 0-4 ft	SILT, brown, uniform, dry
0-5	09	20 ppm 4-5 ft	SILT, DOWI, UNION, DY
5 40	100		Oll T. brown, without day
5 - 10	100	10 - 25	SILT, brown, uniform, dry
10 - 15	90	300-400 ppm 10-12 ft	SILT, brown, to very fine sand, moist, strong solvent odor
		1000+ ppm 12-15 ft	
15 - 20	60	1000+ ppm 15-18 ft	
		400-800 ppm 18-20 ft	GRAVEL, large, with SAND, poorly sorted, saturated
SB-023			
0-5	95	1 - 4	SILT, brown, uniform, dry
5 - 10	100	2 - 15	SILT, brown, to very fine sand, uniform
10 - 15	78	100-300 ppm 10-11 ft	SILT, brown, oxidixed, dry, strong solvent odor
		1000 ppm 11-15 ft	
15 - 20	50	1000 + ppm top	GRAVEL, large, with SAND, poorly sorted, saturated, solvent odor
[100 ppm rest of core	
SB-024		i and a sub-	
0-5	90	6 - 10	0-0.5 ft: BLACKTOP
			0.5-5 ft: SILT and very fine SAND, brown, dry
5 - 10	100	1-2	SAND, very fine, brown, dry
10 - 15	95	1	SAND, very fine, brown, silty, moist
	Endine of the		
0-5	0		
5 - 10	90	0 - 3	SILT, brown, slightly clayey, dry
10 - 15	75	0	SILT, brown, uniform, moist to wet
SB-026			
5 - 10	98	1 - 2	SAND, very fine, brown, to SILT
10 - 15	85		SAND, very fine, brown, to SILT
SB-027			
5 - 10	77	0	SAND, very fine, brown, to SILT, dry
10 - 15	90		SILT, slightly clayey, brown, oxidized, moist
SB-028			
5 - 10	83	2-8	SILT to very fine SAND, brown, dry
10 - 15	88		•
			SILT to very fine SAND, brown, moist to wet
15 - 20	80		15-19 ft: SILT, brown, moist to wet 19-20 ft: GRAVEL, coarse with SAND, poorly sorted, saturated

Depth	Recovery	FID - ppm	Lithology
(feet bgs)	%		
SB-029			
5 - 10	87	7 0 ppm 5-9 ft	SILT, brown, slightly clayey, dry
	}	10-20 ppm 9-10 ft	
10 - 15	75	0 - 1	SILT to very fine SAND, brown, moist to wet
15 - 20	77	1000+	SILT, brown, clayey, wet, strong solvent odor, red NAPL (?)stains
20 - 25	40	30	GRAVEL, coarse with SAND, poorly sorted, saturated
SB-030			
5 - 10	83	3 - 10	SILT to very fine SAND, brown, dry
10 - 15	83	10-20 ppm 10-11 ft	SILT brown, with very fine SAND lenses, moist to wet
		1000+ ppm 19-20 ft	
15 - 20	78	1000+ ppm 15-17 ft	15-19.5 ft: SILT, brown, with fine SAND lenses, black staining
	_	400-500 ppm 17-20 ft	
SB-031			1 March Clark Market Contract States
5 - 10	80	2-5	SILT, brown, uniform, dry
10 - 15	95	0-5	SILT to very fine SAND, brown
15 - 20	61	2-10 ppm 15-16 ft	15-19.7 ft: SILT to very fine SAND, brown, oxidized
		20-50 ppm 16-18 ft	19.7-20 ft: GRAVEL, coarse with SAND, poorly sorted, saturated
		1000+ ppm 18-20 ft	
SB-032			
5 - 10	78	0.5 - 9	NA
10 - 15	60	1 ppm 10-12	SILT, brown, clayey, uniform, moist
		1000+ ppm 13-15 ft	
15 - 20	69	100 ppm 15-16 ft	15-19.5 ft: SILT, brown, clayey
		1000+ ppm 16-17 ft	19.5-20 ft: GRAVEL, coarse with SAND, poorly sorted, saturated
		100-400 ppm 17-20 ft	
SB-033			
5 - 10	62	1 - 4	SILT, brown, uniform, dry
10 - 15	NA	2 ppm 10-11 ft	SILT, brown, clayey, oxidized, moist
		100 ppm 12.5 ft	
1		40 ppm 15 ft	
15 - 20	60	20-40 ppm 15-17 ft	15-19.5 ft SILT, brown, clayey, uniform, wet
1	1	1000+ ppm 17-19.5 ft	19.5-20 ft: GRAVEL, coarse with SAND, poorly sorted, saturated
		~100 ppm 20 ft	······································
SB-034			
5-10	80	40 ppm 7.5 ft	SILT, brown, uniform, dry
		2-5 ppm rest of core	
10 - 15	78	0 - 0.5	SILT, brown, slightly clayey at 14-15 ft, oxidized, moist
15 - 20	50	3-10 ppm 15-18 ft	15-18.5 ft: SILT, brown, clayey, uniform, wet
		100-150 ppm 18-20 ft	18.5-20 ft: GRAVEL, coarse with SAND, poorly sorted, saturated
SB-035			
5 - 10	80		SAND, very fine to SILT, brown, uniform, dry
{	1	0-4 ppm rest of core	
10 - 15	70		SILT, brown, slightly clayey, oxidized, moist to dry
15 - 20			15-19 ft: SILT, brown, clayey, sandy, wet
		40 ppm 20 ft	19-20 ft GRAVEL, coarse, with SAND, poorly sorted, saturated
SB-036	1		
5 - 10	65	10-15 ppm 5-9 ft	SAND, very fine to SILT, brown, uniform, dry
		1 ppm 9-10 ft	-
10 - 15	78		SILT, brown, slightly clayey, oxidized, dry
15 - 20	78	1-10 ppm 15-17 ft	15-19 ft:SILT, brown, clayey, wet

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Depth (f e et bgs)	Recovery %	FID - ppm	Lithology
	/0		
SB-037	70	n dan a shara ta	
5 - 10	78	5 - 20	SAND, very fine to SILT, brown, uniform, dry
10 - 15	98	0	SILT to very fine SAND, brown, clayey, wet
15 - 20	NA	0-2 ppm 15-19.5 ft 100 ppm 19.5-20 ft	SILT to very fine SAND, brown, oxidized, clayey, wet
20 - 25	40	1 1	GRAVEL, med. to very large, sub-rounded to angular, saturated
SB-038	A stage	41、一些路底就能得到多少	이 철말 것 같은 것은 지원에서 이 위험을 갖춘다. 한 가지 않는 것 같은 것 같
5 - 10	72	100 ppm 5.5 ft 1-20 ppm rest of core	SAND, very fine grading downwards to SILT, brown, clayey, dry
10 - 15	78	10-40 ppm 10-12.5 ft 1000+ ppm 12.5-15 ft	SILT to very fine SAND, brown, clayey, dk staining at 14-15 ft
15 - 20	80	700 - 1000	SILT, clayey, brown, wet, solvent odor
SB-039	_	<u> </u>	
5 - 10	78	20 - 40	SILT to very fine SAND, brown, dry
	78 79		
10 - 15	78		SILT to very fine SAND, brown, becoming clayey 14-15 ft
15 _ 20	75	20-90 ppm 12.5-15 ft	15-19 ft: SILT, brown, clayey with some gray laminae, oxidized
15 - 20	15		
		1000+ ppm16-19.5 ft	
00.000	Not to the second	150 ppm 19.5-20 ft	19-20 ft: GRAVEL, coarse, with SAND, poorly sorted, saturated
SB-040	70	A 40	
5 - 10		2 - 10	SILT to very fine SAND, brown to gray, dry
10 - 15		2-8	SILT to very fine SAND, brown to gray, slightly clayey
15 - 20		470 ppm 15-17 ft	15-19.2 ft: SILT, clayey, brown, clayey, wet
		1000 ppm 17-19 ft	19.2-20 ft: GRAVEL, coarse, with SAND, poorly sorted, saturated
		100 ppm 19-20 ft	
SB-041			an a
5 - 10	90	20 ppm 5-6ft	5-5.5 ft: SILT, gray-brown, with rootlets
	ł	1-4 ppm 6-10 ft	5.5-10 ft: SILT to very fine SAND, brown, oxidized dry
10 - 15	80	1-2	SILT, brown to gray, clayey, oxidized,
15 - 20	80	2-3 ppm 15-16 ft	15-18.5 ft: SILT, brown to gray, clayey, oxidized, wet
		1000+ ppm 16.5	18.5 -20 ft: GRAVEL, very coarse, sub-rounded to angular,
		100-150 ppm 17-20 ft	poorly sorted, saturated
SB-042			
5 - 10	80	1 - 10	SILT, brown to gray, oxidized, dry
10 - 15	83	2 ppm 10-11 ft	SAND, very fine, grading downward to SILT, brown to gray,
	4	10-20 ppm 11-15 ft	oxidized, moist
15 - 20	67	80-100 ppm 15-16.5 ft	
ł	1	1000+ ppm 16.5-19 ft	
[1	200 ppm 19-20 ft	
3B-043			
5 - 10	82	0 - 5	5-6 ft: CLAY, gray, gradind downwards to SILT, gray
			6-10 ft: SILT, gray to vdery fine SAND, moist
10 - 15	80		CLAY, gray to SILT with some root/plant fragments,
	J.		sparingly micaceous, moist
15 - 20	83		CLAY, gray, silty 15-16 ft, grading downwards to SILT,
	05		micaceous, with some root/plant fragments
	E		
20 - 25	58		20-20.5 ft: CLAY, gray to SILT, dense, saturated
	1		20.5-25 ft: GRAVEL, small to very coarse,
1	{		sub-rounded to angular

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Depth (feet bgs)	Recovery %	FID - ppm	Lithology
SB-044	/*	5 A	
5 - 10	78	7-10 ppm 5-7.5 ft 0-1 ppm 7.5-10 ft	SILT, gray, to gray-brown, highly oxidized, friable, dry
10 - 15	47	0 - 7	SILT, gray, to gray-brown, highly oxidized, slightly clayey, dry to moist
15 - 20	78	230 ppm 15-17.5 ft 1000 ppm 17.5-20 ft	• • • •
20 - 25			
SB-045	N. S. S.	A. S. D. H.	
5 - 10	80	0 - 4	SILT to very fine SAND, reddish-brown, oxidized, dry to moist
10 - 15	85	0-2	SILT, brown to gray, clayey, oxidized, moderately cohesive
15 - 20	63	100 ppm 15-15.5 ft	15-18 ft: SILT, clayey, brown
		1000+ ppm 15.5-19 ft	
		500-700 ppm 19-20 ft	
SB-046		Summerson Service Million Co.	
5 - 10	80	20 - 60 ppm 5-9 ft 1 - 2 ppm 9-10 ft	SAND, very fine, brown, grading downwards to SILT, brown, mottled, oxidized, dry
10 - 15	80	0-2	SILT, clayey, brown to gray, highly oxidized, dry to moist
15 - 20	61	9-10 ppm 15-16 ft 1000+ ppm 16-19 ft 150-300 ppm 19-20 ft	SILT, brown to gray, clayey, oxidized, moist to wet
SB-047	Salar State	<u>150-500 ppm 19-20 lt</u>	
5 - 10	93	10 ppm 5-6 ft 0 ppm 6-10 ft	SILT, brown to gray, oxidized, dry
10 - 15	89	0 -1	SILT, gray, clayey, moderately cohesive
15 - 20	83	1 - 3	CLAY, silty, to clayey SILT, gray, uniform, massive
SB-048			
5 - 10	95	7 - 10 ppm 5-9 ft	ar hade fan de weeren de de rekkende de rekkende werkendertenten for oan tarten is de skende van de skonderten De
		1 ppm 9-10 ft	SILT, with some very fine SAND, gray-brown, oxidized, dry
10 - 15	67	15 ppm 10 ft	SILT, brown with some very fine SAND, slightly clayey
	- 1	1 ppm 11-15 ft	oxidized 10-12.5 feet, moist
15 - 20	99	2	SILT, gray, clayey, grading downwards to sandy and clayey silt, rare woody fragments
SB-049	\$	· 1997 · 1997 · 1998 · 1998 · 1998 · 1998 · 1998 · 1998 · 1998 · 1998 · 1998 · 1998 · 1998 · 1998 · 1998 · 1998	
15 - 20	75	0	SILT, brown, clayey, oxidized, grading downwards to gray clayey silt
20 - 25	50-58 (?)		top 10-in: SILT, gray, clayey remainder of core: GRAVEL, large, poorly sorted, saturated
SB-050			
5 - 10	95	10-15 ppm 5-9 ft 0 ppm 9-10 ft	SILT, brown, sandy, dry
	70		SILT, brown, very slightly clayey, oxidized, moist
10 - 15	10		

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Depth (feet bgs)	Recovery %	FID - ppm	Lithology
SB-051			an an an an an an ann ann ann ann an an
5 - 10	75	10 ppm 5-9.5 ft 2 ppm 9.5-10 ft	SILT, brown, slightly sandy, uniform, dry
10 - 15	80	0 - 1	SAND, very fine, brown, grading downwards to SILT, occasional gray clasts
15 - 20	63	0 ppm 15-19.5 20-30 ppm 19.5-20	15-19.5 ft: SILT, brown, clayey, oxidized, wet 19.5-20 ft: GRAVEL, large, sub-rounded to angular, poorly sorted
SB-052			
5 - 10	63	10 ppm 5-6 ft 50-60 ppm 6-8 ft 1-0 ppm 8-10 ft	SAND, very fine, well-sorted, brown, grading downwards to SILT
10 - 15	75	1	SILT, brown, clayey, moist
15 - 20	67	0 ppm 15-19.5 ft	SILT, brown to gray, clayey, oxidized
		100 ppm 19.5-20 ft	19.5-20 ft: GRAVEL, large, sub-rounded to angular, poorly sorted
SB-053		i de la construir de la constru	
5 - 10	78	20-40 ppm 5-8 ft 0 ppm 8-10 ft	SAND, very fine, brown, grading downwards to SILT, oxidized
10 - 15	73	0 - 4	SILT, brown to gray, clayey, oxidized, moderately cohesive, moist
15 - 20	77	0	15-19.5 ft: SILT, brown, clayey, oxidized
			19.5-20 ft: GRAVEL, large, sub-rounded to angular, poorly sorted
SB-054	A RESEARCH B		
5 - 10	88	20 ppm 5-6 ft	5-6.5 ft: SILT, gray-brown, friable
		1-2 ppm 6-10 ft	6.5-10 ft: SILT, gray, clayey, oxidized, moist
10 - 15	59	0 - 4	6.5-10 ft: SILT, gray, clayey, oxidized, moist
15 - 20	83	0 - 1	SILT, brown, clayey, grading downwards to CLAY, gray, silty, cohesive, massive
SB-055	de haite i	e a Andre In Josef for his of the	and the second
5 - 10	73	0 - 1	SILT, brown, grading downwards to very fine SAND, well-sorted, silty
10 - 15	85	0 - 2	SILT, brown to gray, oxidized, moist to wet
15 - 20	71	0 - 3	15-19 ft: SILT, brown, clayey, oxidized, wet 19-20 ft: GRAVEL, large, sub-rounded to angular, poorly sorted
SB-056	e des de ^s		
5 - 10	78	0 - 1	SILT, brown oxidized, dry
10 - 15	77	0	SILT, brown, some gray mottling, slightly clayey, oxidized
15 - 20	55	0	NA

FIF = flame ionization detector

NA = not available

100

100

ppm = parts per million

APPENDIX B FINAL ANALYTICAL RESULTS VESTAL CHLORINATED HYDROCARBON SOURCE ASSESSMENT/REMEDY SITE VESTAL, NEW YORK

J = estimated value

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LOCKNEED MARTIN

DATE:	November 30, 2006					
TO:	R. Singhvi	EPA/ERT)			
FROM:	V. Kansal	Analytical Section Leader Vision Vausar				
SUBJECT:	DOCUMENT TRANSMITTAL UNDER WORK ASSIGNMENT # 0-1198					
	Attached please find the following document prepared under this work assignment:					
	Vestal Chlorinated Hydrocarbon Source Assessment/Remedy - Analytical Report					
	Central File WA # 0-198 T. Johnson	(w/attachment) Work Assignment Manager (w/attachment)				
	K. Woodruff J. Soroka	Task Leader (w/attachment) Data Validation and Report Writing Group Leader (w/ attachment)				

ANALYTICAL REPORT

Prepared by LOCKHEED MARTIN, Inc.

Vestal Chlorinated Hydrocarbon Source Assessment/Remedy Vestal, NY

November 2006

EPA Work Assignment No. 0-198 LOCKHEED MARTIN Work Order EAC00198 EPA Contract No. EP-C-04-032

> Submitted to T. Johnson EPA-ERT

Vinon Tensol *il|30|06* Date

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Prepared by:

Y. Mehra

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D. Miller Program Manager

Date

Reviewed by: J. Soroka

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Chains of Custody

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0198-DAR-113006

Introduction

REAC personnel in response to WA,0-198, pilovided analytical support for environmental samples collected from the Vestal Chlorinated Hydrocarbons Site, located in Vestal, NY as described in the following table. The support also included QA/QC, data review, and preparation of an analytical report containing a summary of the analytical and the QA/QC results.

The samples were treated with procedures consistent with those specified in SOP #1008.

COC#	Number of Samples	Sampling Date	Date Freceived	Matrix	Analysis/ Method	Laboratory	Data Package
0-198-000-09	12	08/21/06	08/23/06	1			
0-198-000-10	13	08/22/06	03/23/06	7			
0-198-000-11	10	08/22- 23/06	0३/24/06				R 399
0-198-000-12	15	08/23- 24/06	08/25/06	Soil	VOC/REAC SOP 1807		
0-198-000-13	11	08/25/06	08/28/06	7			
	15	09/05,'06	0\$/08/06]			
0-198-000-14	17	09/06,06	09/08/06	7			
	1	09/06/06	09/08/06	Water	VOC/REAC	REAC ¹	R 396
	6	09/07/06	09/08/06	VValei	SOP 1806		
0-198-000-15	6	09/07/06	09408/06				
0-198-000-11	9	08/22- 23/06	08/24/06	Soil	VOC/REAC SOP 1807	ĺ	
0-198-000-12	2	08/23- 24/06	08/25/06		30r 1007		R 398
	24	08/25/06	08/28/06				
0-198-000-13	6	08/25/015	08/2:8/06	Water	VOC/REAC SOP 1806		

¹REAC Analytical Laboratory is NELAC certified.

Case Narrative

The data in this report have been validated to three significant figures. Any other representation of the data is the responsibility of the user. Values less than 25 percent of the reporting limits for organic analyses have not been reported.

VOC in Soil and Water Package R 396

The Soil Blank A091506-2 contained 1,1,1-trichlorgethane. Sample numbers 15166, 15161, 15163 and

15164 contained 1,1,1-trichloroethane at less than five times the blank concentration and are reported as non detects.

For continuing calibration verification (09/09/06), acetone exceeded the percent difference criteria. Acetone results in associated samples 15185 and 15190 are reported as estimated (J).

Percent surrogate recovery for 1,2-dichloroethane-d4 did not meet QC limits for several samples. 1,1dichloroethane results in samples 15157 and 15179: 1,1,1-trichloroethane results in samples 15157, 15179, 15177 and 04112; acetone in sample 15179; 1,1-dichloroethene in sample 15179; and trichloroethene in sample 15179 and 15177 are estimated (J).

For sample number 15164, the internal standard areas for bromochloromethane, 1,4-difluorobenzene and chlorobenzene-d5 were below 50% on the initial run and re-analysis probably due to the matrix. Results for trichloroethene are reported as `estimated (J) and the remaining analytes are rejected (R).

Result for 1,1,1-trichloroethane in sample 15165 exceeded the linear calibration range; the concentration of this compound is estimated (J).

VOC in Soil Package R 399

The glass jar containing sample 19168 was received broken. The results for this sample should be used with caution.

Soil Blank, B082706-3, contained 7.52 µg/kg acetone: the acetone results for samples 23877, 23739 and 23873 are reported as non-detects.

2-Butanone, bromoform, 4-methyl-2-pentanone, 2-hexanone, 1,2 dibromo-3-chloropropane, 1,2,4trichlorobenzene, hexachlorobutadiene, naphthalene and 1,2,3-trichlorobenzene did not pass the percent difference QC limits for the continuing calibration on 8/27/06. 1,2,4-trichlorobenzene and naphthalene results in sample 23879 are reported as estimated (J).

Surrogate 1,2-dichloroethane-d4 recovery in sample 23881 was above the QC limits. Trichlorofluoromethane, acetone, 1,1-dichloroethane, carbon tetrachloride, tetrachloroethene, chlorobenzene, isopropyl benzene, 1,1,2,2-tetrachloroethane, n-propylbenzene, 1,3,5-trimethylbenzene, pisopropyltoluene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, naphthalene are reported as estimated (J).

Surrogate 1,2-dichloroethane-d4 recovery in sample 00396 was above the QC limits. Methylene chloride, 1,1,2-trichloroethane, toluene, tetrachloroethene, p+m-xylenes, o-xylene, n-propylbenzene, 1,3,5trimethylbenzene, 1,2,4-trimethylbenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 1,2,4-trichlorobenzene and 1,2,3-trichlorobenzene are reported as estimated (J).

The following samples contained compounds which were outside the linear range of the calibration. Analysis of the diluted samples did not match the original results. The original results are reported as estimated (J). The relevant samples and compounds are as follows:

Sample Number	Compounds
04186	cis-1,2-dichloroethene and toluene
04187	1,1-dichloroethene and toluene
19157	cis-1,2-dichloroethene
238 82	1,1-dichloroethene, 1,1,1-trichloroethane and trichloroethene
23881	1,1-dichloroethene, cis-1,2-dichloroethene and toluene
00393	1,1,1-trichloroethane and trichloroethene

1,1-Dichloroethene, cis-1,2-dichloroethene, 1,1,1-trichloroethane and toluene concentrations in sample 04199 were above the linear range of the calibration. The diluted sample concentrations were below the reporting limits. The undiluted sample results were reported as estimated (J).

1,1,1-Trichloroethane concentration in sample 00396 exceeded the linear calibration range. 1,1,1-Trichloroethane result in this sample is reported as estimated (J).

The following compounds, 1,1-dichloroethene, chloroform, 1,1,2-trichloroethane, toluene, tetrachloroethene, ethylbenzene, p&m- xylenes, 0-xylenes, 1,2,4-trimethyl benzene and naphthalene in sample number 00399, upon dilution were either diluted out or were below the reporting limit. The initial analysis results are reported as estimated (J).

Sample 23880 had possible carryover from the previous sample analysis. 1,1,1-Trichloroethane and trichloroethene results are reported as estimated (J) for this sample.

MS/MSD recovery for trichloroethene was outside the QC limits; trichloroethene result in sample 04131 is reported as estimated(J). MSD recovery for trichloroethene in sample 19154 was outside the QC limits and is reported as estimated (J).

MS/MSD recovery for trichloroetherie was below 20% in sample 04185. Trichloroethene is reported as estimated (J).

Trichloroethene MS result was above the QC limits for 00394. Trichloroethene is reported as estimated (J) for this sample.

VOC in Soil and Water Package R 393

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Water method blank A-083106-3 contained $1,1_1$ -trichloroethane. Concentration of 1,1,1-trichloroethane in sample 23893 was reported as estimated (J).

In the initial calibration of 08/28/06 percent relative standard deviation for acetone exceeded the QC criteria. Since an acceptable linear regression was not done for acetone, the acetone concentration is estimated (J) for the associated samples 15136 and 15140.

In the initial calibration of 08/30/06 percent relative standard deviation for vinyl chloride exceeded the QC criteria. Since an acceptable linear regression was not done for vinyl chloride, the vinyl chloride concentration is estimated (J) for samples 23892, 23893 and 23890.

Percent difference for chloroethane and 2,2-dichloropropane exceeded the qualifying criteria in the continuing calibration of 09/06/06. The 2,2-dichloropropane results in samples 23885, 00395, 23891, 00625, 00626, 00629, 00627, 23897, 00365, 23895 and methanol blank MBLK-090606-1 are estimated (UJ).

In the continuing calibration of 09/07/06 percent difference for chloroethane, acetone, trichlorofluoromethane and 2,2-dichloropropane exceeded the QC criteria. The trichlorofluoromethane result is estimated (J) for sample 23886

The percent recovery exceeded acceptable QC criteria for surrogate p-bromofluorobenzene in samples 19167/1000x and 15141/50x; and the surrogate 1,2-dichloroethane-d4 in samples 23892, 00397/1000x, 00366/2000x, 00397/250C, 23896/1000x and 00385/1000x. Analytes are estimated (J) in the following samples:

- The concentration of 1,1,1-trichloroethane is estimated for samples 00366, 00385, 00397, 15141, 19167 and 23896.
- The concentration of 1,1-dichloroethene is estimated for samples 00366, 00397 and 23896.
- The concentration of trichlorgethene is estimated for samples 00397 and 15141.
- The concentration of 1,1-dichloroethane is estimated for sample 00397.
- The concentration of vinyl chloride, chloromethane, chloroethane, trans-1,2-dichloroethene, 2butanone, benzene, tetrachloroethene, chlorobenzene, 1,1,1,2-tetrachloroethane, ethylbenzene, p&m-xylenes, o-xylene, 1,1,2,2-tetrachloroethane, n-propylbenzene, 1,3,5-trimethylbenzene,

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1,2,4-trimethylbenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene in sample 23892.

The following analytes are estimated (J) in the following samples since the linear calibration range was exceeded for sample 23892: methylene chloride, cis-1,2-dichloroethene, chloroform, 1,1,1-trichloroethene and toluene and for sample 23890: chloroethane and cis-1,2-dichloroethene

Based on professional judgement acetone in samples 00366, 00389, 00390 and 00383 through 00387 is rejected (R) since the sample results linearly increase with dilution and are probably an artifact. The methylene chloride concentration in sample 23718 is also rejected (R) because the sample results vary with dilution and is probably an artifact.

Summary of Abbreviations

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В	Ana	alvte was fou	nd in the blank			
BFE		mofluoroben				
cont	_	ntinued				
D		rrogate Table	e) value is from a d	iluted sample	and was not calculated	
			sult was obtained			
Diox					Polychlorinated Dibenzofurans	
		/or PCDD an		• •	•	
CLP			ory Procedure			
COC		in of Custody				
CRD)L Con	tract Require	d Dejection Limit			
CRC	L Con	tract Require	d Quantitation Lim	it		
DFT	PP Dec	afluorotriphei	nylphosphine			
E	Valu	e is greater t	han the highest lin	ear standard	and is estimated	
EMP			um possible conce	entration		
ſ		e is estimate				
J+		e is estimate	-			
J-		e is estimate				
LCS		ratory Contro	•	_		
LCSE			ol Sample Duplicati	e		
MS (E		x Spike (Blar		Dunlingto)		
MSD		cular Weight	icate (Blank Spike	Dupicate)		
NA			Not Ayailable			
NC			NOT PAPARADIC			
NR		lequested				
NS		piked				
% D		nt Difference	•			
% Red	c. Perce	ent Recovery				
ppbv	parts	per billion by	volume			
ррт		per million				
PQL		cal Quantitat				
QAVQ			Quality Control			
QL		itation Limit				
R		is unusable				
RL RPD		ting Limit /e Percent D	fforonco			
RSD		/e Standard I	•			
SIM		ed Ion Monito				
Surr	Surrog		2 mg			
TCLP			s Leaphing Proced	ture		
U	Not de					
m ³	cubic meter	kg	kilogram	рđ	microgram	
L	liter	g	gram	pg	picogram	
mg	milligram	ng	nanogram	μĽ	microliter	
*	Value exceeds					

Revision 9/21/06

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Table 1.1 Result of the Analysis for VOC in Water WA # 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy

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Sample No. Location: Dilution Factor	Water Bla	ink B 090906- 1		15185 -005 25-30 100		15188 MW-A 1	N	15193 NW-A dup 1		15190 MW-G 100
Analyte	Resuit µg/L	RL µg/L	Result	RL yg/L	Result µg/L	RI Vg/		RL ug/L	Result ug/L	k
Dichlorodifluoromethane	υ	5.00	υ	500	u	5,0	o u	5,00	υ	
Chioromethane	Ū	5.00	Ū	500	Ŭ	5.0	บ ป	5.00	U	5
Vinvt Chloride	υ	5.00	U	500	U	5.0	ט כ	5.00	U	5
Bromomethane	Ū	5.00	U	500	U	5.0	ט כ	5.00	U	5
Chloroethane	Ū	5.00	U	500	U	5,0) U	5.00	υ	5
Trichlorofluoromethane	U	5.00	U	500	υ	5.00) U	5.00	υ	5
Acetone	U	20.0	2140	J 2000	U	20.0) U	20.0	2380	J 2
1,1-Dichloroethene	υ	5.00	1250	500	2.10	J 5.00	2.20	J 5.00	U	5
Methylene Chloride	U	5.00	u	500	U	5.00	υ	5.00	U	5
Carbon Disulfide	Ū	5.00	υ	500	U	5.00	i U	5.00	U	5
Methyl-t-butyl Ether	Ű	5.00	U	500	U	5.00	์ บ	5.00	U	5
trans-1,2-Dichloroethene	Ú	5.00	U	500	υ	5.00	U	5.00	υ	5
1,1-Dichloroethane	Ŭ	5.00	244	J 500	3.93	J 5.00	4.04	J 5.00	U	50
2-Butanone	บั	5.00	U	500	U	5.00	U	5.00	υ	50
2.2-Dichloropropane	ŭ	5.00	Ũ	500	Ū	5.00	Ű	5.00	Ú	50
cis-1.2-Dichloroethene	บั	5.00	Ū	500	Ũ	5.00	U	5.00	υ	50
Chloroform	Ū	5.00	υ	500	U	5.00	U	5.00	U	50
1,1-Dichioropropene	Ū	5.00	U	500	υ	5.00	υ	5.00	U	50
1.2-Dichloroethane	บ	5.00	U	500	U	5.00	υ	5.00	U	50
1.1.1-Trichloroethane	U	5.00	75800	5000	υ	5.00	U	5.00	5250	50
Carbon Tetrachloride	υ	5.00	υ	500	U	5.00	U	5.00	υ	50
Benzene	U	5.00	υ	500	υ	5.00	U	5.00	υ	50
Trichloroethene	U	5.00	191	J 500	υ	5.00	υ	5.00	3340	50
1.2-Dichloropropane	υ	5.00	υ	500	U	5.00	U	5.00	U	50
Bromodichloromethane	U	5.00	U	500	U	5.00	ບ	5.00	U	50
Dibromomethane	U	5.00	U	500	U	5.00	U	5.00	υ	50
cis-1,3-Dichloropropene	U	5.00	υ	500	υ	5,00	U	5.00	U	50
trans-1,3-Dichloropropene	U	5.00	U	500	U	5.00	U	5.00	U	500
1,1,2-Trichloroethane	U	5.00	υ	500	U	5.00	U	5.00	U	500
1,3-Dichioropropane	U	5.00	U	500	υ	5.00	U	5.00	U	500
Dibromochloromethane	υ	5.00	U	500	u	5.00	U	5.00	υ	500
1.2-Dibromoethane	U	5.00	υ	500	ບ	5.00	U	5.00	U	500
Bromoform	U	5.00	U	500	U	5.00	U	5.00	U	500
f-Methyl-2-pentanone	U	5.00	υ	500	U	5.00	U	5.00	U	500
foluene	U	5.00	U	500	U	5.00	U	5.00	U	500
2-Hexanone	υ	5.00	U	500	U	5.00	U	5.00	U	500
fetrachioroethene	U	5.00	U	500	U	5.00	U 	5.00	U	500
Chlorobenzene	U	5.00	U	500	U	5.00	U	5.00	υ	500
,1,1,2-Tetrachloroethane	U .	5.00	U	500 500	U	5.00	U	5.00	บ ม	500
thylbenzene	U	5.00	U	500	U	5.00	U	5.00	U U	500 1000
&m-Xylene	U	10.0	U 	1000	U	10.0	U	10.0	U U	
-Xylene	U	5.00	U	500	U	5.00	ບ 	5.00 5.00	-	500 500
tyrene	U	5.D0	U	500	U	5.00	U	5.00	U U	500
opropylbenzene	U	5.00	U	500	U	5.00	U U	5.00	u u	500
,1,2,2-Tetrachloroethane	บ บ	5.00 5.00	U U	500 500	U U	5.00 5.00	U	5.00	U	500
2,3-Trichloropropane Propylbenzene	ŭ	5.00	U	500	Ű	5.00	ປ	5.00	ŭ	500
romobenzene	υ	5.00	υ	500	ŭ	5.00	Ŭ	5.00	ŭ	500
3,5-Trimethylbenzene	Ŭ	5,00	U	500	υ	5.00	ŭ	5.00	ŭ	500
Chlorotoluene	U U	5.00	Ŭ	500	Ŭ	5.00	บั	5.00	Ŭ	500
Chlorotoluene	Ŭ	5.00	บั	500	ŭ	5.00	ŭ	5.00	Ū	500
rt-Butylbenzene	ŭ	5.00	Ŭ	500	Ŭ	5.00	ນັ	5.00	Ũ	500
2.4-Trimethylbenzene	Ŭ	5.00	บั	500	Ũ	5.00	Ū	5.00	Ū	500
c-Buty/benzene	ŭ	5.00	Ŭ	500	ŭ	5.00	ū	5.00	ū	500
sopropyitoluene	ม้	5.00	Ŭ	500	ŭ	5.00	Ū.	5.00	Ū	500
3-Dichlorobenzene	ŭ	5.00	ບັ	500	บั	5.00	ū	5.00	Ū	500
Dichlorobenzene	ŭ	5.00	ŭ	500	ŭ	5.00	ū	5.00	ນັ	500
Butyibenzene	Ŭ	5.00	Ŭ	500	ŭ	5.00	Ŭ	5.00	ū	500
-Dichlorobenzene	U U	5.00	ŭ	500	ŭ	5.00	Ŭ	5.00	Ŭ	500
-Dibromo-3-chloropropane	Ŭ	5.00	υ	500	Ŭ	5.00	บั	5.00	ŭ	500
4-Trichlorobenzene	ŭ	5.00	υ	500	U ·	5.00	Ŭ	5.00	บ	500
xachlorobutadiene	Ŭ	5.00	υ	500	U	5.00	ŭ	5.00	Ŭ	500
	U		Ŭ	500	U	5.00	υ	5.00	บ บ	500
phthalene	u .	5.00	U	200	U	5.00		5.00	0	500

rv2311

Table 1.1(cont.) Results of the Analysis for VOC in Water WA # 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy

Method: REAC SOP 1806

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Sample No. Location:	Water Bla	nk B 091106-1	l	15174 MW⊰9		15175 MW-F
Dilution Factor		1		1		1
	Result	RL	Result	RL	Result	RL
Analyte	<u>µg/L</u>	µg/L	µg/L	µg/L	µg/L	µg/L
Dichlorodifluoromethane	υ	5.00	U	5.00	U	5.00
Chloromethane	Ŭ	5.00	Ű	5.00	U	5.00
Vinyl Chloride	U	5.00	U	5.00	υ	5.00
Bromomethane	U	5.00	U	5.00	U	5.00
Chioroethane	U	5.00	U.	5.00	U U	5.00 5.00
Trichlorofluoromethane	บ บ	5.00 20.0	U U	5,00 20,0	υ	20.0
Acetone 1.1-Dichlomethene	U	5.00	Ŭ	5.00	ŭ	5.00
Methylene Chloride	Ŭ	5.00	ŭ	5,00	Ū	5.00
Carbon Disulfide	U	5.00	υ	5.00	U	5.00
Methyl-I-butyl Ether	U	5.00	U	5.00	U	5.00
trans-1,2-Dichloroethene	U	5.00	U	5.00	U	5.00
1,1-Dichloroethane	U -	5.00	บ บ	5.00 5.00	U U	5.00 5.00
2-Butanone	U U	5.00 5.00	U U	5.00	υ	5.00
2,2-Dichloropropane cls-1,2-Dichloroethene	U	5.00	Ŭ	5.00	Ŭ	5.00
Chloroform	Ŭ	5.00	ŭ	5.00	ũ	5.00
1,1-Dichloropropene	υ	5.00	Ŭ	5.00	U	5.00
1,2-Dichloroethane	U	5.00	U	5.00	U	5.00
1,1,1-Trichloroethane	U	5.00	U	5.00	12.1 U	5.00 5.00
Carbon Tetrachloride	U U	5.00 5.00	U U	5.00	υ	5.00
Benzene Trichloroethene	Ŭ	5.00	υ	5.00	13.5	5.00
1,2-Dichioropropane	ŭ	5.00	ŭ	5.00	υ	5.00
Bromodichloromethane	U	5.00	U	5.00	U	5.00
Dibromomethane	U	5.00	U	5.00	U	5.00
cis-1,3-Dichloropropene	U	5.00	U	25.00	บ บ	5.00 5.00
trans-1,3-Dichloropropene	U U	5.00 5.00	บ บ	₹5.00 ≠5.00	Ŭ	5.00
1,1,2-Trichloroethane 1,3-Dichloropropane	U U	5.00	Ŭ	5.00	ŭ	5.00
Dibromochloromethane	ນັ	5.00	Ū	5.00	Ū	5.00
1,2-Dibromoethane	U	5.00	J	5.00	U	5.00
Bromoform	U	5.00	J.	;5.00	υ	5.00
4-Methyl-2-pentanone	U	5.00	10	j5.00 ⊸00	U	5.00
Totuene	บ บ	5.00 5.00	U N	00. 1.00	U U	5.00 5.00
2-Hexanone Tetrachioroethene	Ŭ	5.00	Ŭ	5.00	ບັ	5.00
Chlorobenzene	ũ	5.00	ŵ	5.00	U	5.00
1,1,1,2-Tetrachioroethane	U	5.00	ų	5.00	U	5.00
Ethylbenzene	ນ	5.00	U.	5.00	ม ม	5.00 10.0
p&m-Xylene	U U	10.0 5.00	ų C	10.0 5.00	U	5.00
o-Xylene Styrene	Ŭ	5.00	Ĺ.	5,00	Ŭ	5.00
Isopropyibenzene	มั	5.00	ũ.	5,00	ū	5.00
1,1,2,2-Tetrachioroethane	Ŭ	5.00	u	5,00	U	5.00
1,2,3-Trichloropropane	U	5,00	u,	5;00	U	5.00
n-Propylbenzene	U	5.00	U	5;00	U	5.00
Bromobenzene	U	5.00 5.00	Ul Ul	5:00 5:00	U U	5.00 5.00
1,3,5-Trimethylbenzene 2-Chlorotoluene	ບ ບ	5.00	U:	5.)0	U	5.00
4-Chlorololuene	Ŭ	5.00	U	5.00	ŭ	5.00
ert-Butylbenzene	ŭ	5.00	Ū	5.00	Ŭ	5.00
1,2,4 Trimethylbenzene	บ	5.00	U	5.00	U	5.00
ec-Butylbenzene	U	5.00	υ	5.Ų0	U	5.00
-Isopropyttoluene	U	5.00	U	5.40	U	5.00
.3-Dichlorobenzene	U	5.00	U	5.40	U	5.00
4-Dichlorobenzene	U	5.00	U	5.00	U .	5.00 5.00
-Butylbenzene ,2-Dichlorobenzene	U U	5,00 5.00	U U	5.00 5.00	U U	5.00
,2-Dibromo-3-chloropropane	Ŭ	5.00	Ŭ	5.00	Ŭ	5.00
2,4-Trichlorobenzene	Ű	5.00	Ū	5.013	Ū	5.00
exachlorobutadiene	ũ	5.00	Ú	5.0,)	υ	5.00
laphthalene	U	5.00	U	5.00	U	5.00
2,3-Trichlorobenzene	υ	5.00	U	5.00	U	5.00

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Table 1.1(cont.) Results of the Analysis for VOC in Water WA # 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy

- Met	hod: REAL SUP 1606				
San	nple No.	Water Blai	nk B 091206-2		15189
Loc	ation:			¥	AW-43/44
Dilu	tion Factor		1		2
-		Result	RL	Result	RL
Ana	lyte	µg/L	µg/L_	µg/L	
					40.0
	lorodifiuoromethane	U	5.00 5.00	U U	10.0 10.0
	promethane	U V	5.00	Ŭ	10.0
	l Chloride nomethane	ŭ	5.00	υ	10.0
	roethane	Ŭ	5.00	ū	10.0
	iorofluoromethane	U	5.00	υ	10.0
Acet	one	U	20.0	u	40.0
	Dichloroethene	U	5.00	U	10.0
	iylene Chloride	U	5.00	U	10.0
	on Disulfide	U	5.00 5.00	บ บ	10.0 10.0
	yi-t-butyl Ether	U U	5,00	Ŭ	10.0
	-1,2-Dichloroethene Dichloroethane	ŭ	5,00	14.2	10.0
.,	tanone	ŭ	5,00	Ű	10.0
	ichloropropane	Ū	5.00	Ū	10.0
	2-Dichloroethene	Ū	5.00	U	10.0
	motorm	U	5.00	U	10.0
	ichloropropena	U	5.00	U	10.0
	ichloroethane	U	5,00	U 246	10.0 10.0
	Trichloroethane	บ บ	5,00 5,00	246 U	10.0
	on Teirachloride	U	5.00	ŭ	10.0
Benze Trichk	oroethene	ŭ	5.00	2.54	J 10.0
	ichloropropane	Ŭ	5.00	υ	10.0
	dichloromethane	ŭ	5.00	υ	10.0
	nomethane	υ	5.00	U	10.0
	3-Dichloropropene	U	5.00	U	10.0
trans-	1,3-Dichloropropene	U	5.00	U	10.0
	Trichloroethane	U	5.00	U	10.0
	chioropropane	U	5.00 5.00	U U	10.0 10.0
	nochloromethane	ບ ບ	5.00	U	10.0
1,2-UII Bromo	bromoethane Kom	Ŭ	5,00	ŭ	10.0
	yi-2-pentanone	ŭ	5.00	บั	10.0
Toluen		ŭ	5.00	U	10.0
2-Hexa		ΰ	5.00	U	10.0
	hloroethene	U	5.00	U	10.0
	benzene	U	5.00	U	10.0
	-Tetrachloroethane	U	5.00	U U	10.0 10.0
Ethylbe		U	5.00	น บ	10.0 20.0
p8m-X		U	10.0 5.00	U	20.0 10.0
o-Xyler		U U	5.00	Ŭ	10.0
Styrene	r Dylbenzene	ŭ	5.00	ŭ	10.0
	-Tetrachioroethane	υ	5.00	ŭ	10.0
1000 · · · · · · · · · · · · · · · · · ·	richloropropane	ŭ	5.00	ΰ	10.0
	lbenzene	ú	5.00	U	10.0
	benzene	U	5.00	U	10.0
	nmethylbenzene	U	5.00	U	10.0
discussion of the second se	olowene	U	5.00	U	10.0 10.0
	atokiene	U U	5.00 5.00	บ บ	10.0
-	ylbenzene imethylbenzene	UUU	5.00	U U	10.0
	imathylbenzene ylbenzene	ŭ	5.00	ŭ	10.0
	pylloluene	Ŭ	5.00	ŭ	10.0
	llorobenzene	Ŭ	5.00	ŭ	10.0
,	lorobenzene	ŭ	5,00	U	10.0
n-Butylb		Ű	5.00	U	10.0
	lorobenzene	U	5,00	U	10.0
	omo-3-chioropropane	U	5.00	U	10.0
	chlorobenzene	U	5.00	U	10.0
	orobutadiene	U		ບ L	10.0
Naphtha		U		บ บ	10.0 10.0
1,2,3-Tri	chlorobenzene	U	5.00	0	10.0

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Method: REAC SOP 1806

Table 1.1 (cont.)) Results of the Analysis for VOC in Water WA # 0-196 Least Chlorinajed Hydrocarbon Source AssessmentVermedy

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10000 M-0000Nb 53885	19		1 3/\-C 5386)		۱ ۰۸۸۰۵		600 Z61			-901680 A)	1	Sample No Location: Dilution Factor
n	HuzeA Aesuit	า/5ก าช		hg/L Result	אס <i>י</i> ר אר		AuseR Result	<u>אר</u> אר		до го НигеяЯ	הס/ר אר	אפsu∦ אפsu	etylsnA
209 	n 	00'S		הב ה	00'9		n 	2:00	·	n 	00.2	n 	Dichlorodifluoromethane
05	n	00'5		n	00 S		n O		ſ	9 <u>7</u> .2	00'S	n	Chloromethane
20	n	00 S	٢	14.8	00.2	٢	65.1		ŗ	7 .29	2.00	n	Viny Chloride
05	n	00 S		n	00'5		n	2'00		n	9 ⁰ 9	n	Bromomethane
05	n	00'5	٢	534	00.2		17.6		r	e0'S	2.00	n	Chloroethane
09	n	00.2		n n	005		n	00.2		n	00'\$	n	Trichlorofluoromethane
1 20 20	U OOEat	2000 2010		0159 U	009 0'02	I.	438 N	20000 50'0		103000 N	20'9 20'0	n n	Acetone Acetone
05 05 (00631 U	00`\$		5.71	00'5	ר ר	3,83	\$`00	r	5640	2'00 2'00	n	anenteonological. Methylene Chloride
05	n	00`S		n	5.00	~	n corra	00'5	~	n n	90°9	n	Carbon Disultide
09	n	6,00		n	00'S		n	00'5		n	2.00	n	Methyl-t-butyl Ether
05	n	00'9	r	21 E	00°S		Ω	2 .00	٢	16.2	00 'S	n	enertecroircid-S, t-enert
1 20	00691	005	r	1230	00.2		132	00005	ċ	30200	00'S	n	ansritacrolita(D-1,1
109 109	'n	00'9		۲۳'S	00'9		0	00'5	r	9'72	00'9	'n	2-Butanone
09 09	n 1	005	1	0572	00'5		92 9 N	00'5	'	550	00'S	n n	anadordoroihoilo-5,2
205 205	n N	00'9 009	ſ	878 5480	00'S		n 52'5	00 S 00 S	r r	0/7 592	90'S 2'00	0	-1,2-Dichiorochene
205	n n	00.8		î	00'S		n	00'5	~	0 0/#	£.00	n n), t-Dichloropropene Dhloroform
205	n	00.2		n	00.2		n	9°00		n	2 00'S	Ŋ	(,2-Q)chloroethane
205	00089*	0009		156000	0001	٢	52100	00005		11540000	00'5	n	anshiorochiane
2005	n	0 0'S		n	00.2		n	00.2		n	00'5	n	ebnointsetteT nochs;
005	n	00'5	,	n	00'5		n	00'5	٢	15'3	00'5	n	euezuej
005	162000	0005	ſ	5490	00.5		154	0000g		Se4000	005	ñ	richioroethene
009 009	n n	00`S 00`S		n n	00'S		n n	5.00 5.00		n n	2`00 2`00	n n	,2-Dichloropropane sromodichloromethane
200	n	5.00		n	00.2		n	00°S		n	2'00	n	ibromonethane
005	n	00.8		n	00.8		n	00.2		n	00.8	n	anaqorqorolitaiQ-E,1-ei
005	n	00.2		n	00'9		n	0 0'\$		n	2.00	n	enegorgonolnbig-C.1-ene
005	n	00.8		¥6'8	00'9		'n	2.00	٢	EZE	00.2	n n	ensiteorolitanT-S, f
005	n N	00'5		ดี	00'5		'n	00.2		ň	00°\$,, ,,	3-Dichloropropane
005	'n	00'9		" "	00 9		וי ח	005		0	00.2	,, 0	ibromochloromethane
0005 0005	n n	00 S		n n	00.2		n N	00 \$		n 0	00'S	n n	S-Dibromoethane
0005 0005	n n	00'S		n n	5.00 5.00		n n	2 00 2 00		n n	00'S	ក ភ	Motore Methyk-2-pentanone
0005	n	00'S		n	00`S		0	2.00	r		2.00	n	Methy-2-pentanone bioee
2000	n	00'9		n	00.8		n	2.00	~	0	00°S	n	anone Hexanone
0005	n	00'S		99.5	00.8		¢ 22 7	2.00	ſ		00'9	n	energeonoldosu
20005	n	00'9		n	00`9		n	2'00	ſ		00 \$	n	evezuequoju
20005	n	00.2		'n	00.2		ñ	00'Si	(00.2	n	anenteorointoevet-2,1,1
00005	'n	00.2		n	00.9		0	00.2	ŗ		00.8	n N	auszuegiku
00001	" 0	0.01		, erc	00 5		n N	0.04	į		0.01		analyt-m
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00005	n n	00		n n	00		n N	00') 00''7		กั เหตุยา	00'S 00'S	n n	,5-Trimethyfbenscee Shiorotoinere
00009	n	00		n	00		n	5,00		ر ۲	00.8	n	ensuiotoroih;
00005	n	00	S	n	00	S	n	2,00		ግ	00°S	n	-Butylbenzene
200005	n	00		r \$6			ñ	00 ³ S		r 002	2.00	n	anaznadiyritaminT-4
00005	ñ	00		'n		-		00'5		'n	00.2	 N	-Butylbenzene
00009	n D	00		יי ח				00 9		ni Ni	2.00	., ,,	obiobygoineue
00005	n n	00 00		n n			n n	00'S		1 31) 1 (D)	2.00 2.00	n n	Dichlorobenzene Dichlorobenzene
20000 20000	n	00		n			n	00'S		ດ (131) 1	2.00	n	
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00005	n	00		r			ń	00 9		n	2 .00	ſ	
00005	n	00) S	ſ	N 00) S	n	On 9	3	r 46	2 00'S	r	Trichiorobenzene
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00005	0	00	5.0	r 19	1 0	5.0	n	0) (O	5	56 1	2.00.2	r) ensishti
00005 00 00 5	n		0.2	(5.0	n	0.0	3	n	2 00	٢) snaznadoroirtainT-f

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Table 1.1(cont.]) Results of the Analysis for VOC in Water WA # 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy

Method: REAC SOP 1807

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Sample Number Sample Location: Dilution Factor	Water 6	llank (83106-1		23889 GW-001 100		006: Old N 10	<i>w</i>	
Dilution Factor	Pa	RL	Result	RL	Result		RL	
Analyte	Result µg/L	κι μg/L	µg/L	۲۲ µg/L	_µg/L_		μ <u>ο</u> /L	
Dichlorodifluoromethane	υ	5.00	υ	500	U		50.0	
Chloromethane	Ű	5.00	U	500	U		50.0	
Vinyl Chloride	Ŭ	5.00	U	500	U		50.0	
Bromomethane	ũ	5.00	υ	500	U		50.0	
Chloroethane	ũ	5.00	υ	500	ປ		50.0	
Trichlorofluoromethane	Ŭ	5.00	401	J 500	υ		50.0	
Acetone	ũ	5.00	υ	2000	43.1	J	50.0	
1,1-Dichloroethene	Ű	5.00	6860	500	33.0	J	50.0	
Methylene Chloride	ນັ	5.00	155	J 500	U		50.0	
Carbon Disulfide	U	5.00	υ	500	U		50.0	
Methyl-t-butyl Ether	U	5.00	U	500	U		50,0	
trans-1,2-Dichloroethene	υ	5.00	u	500	U		50.0	
1,1-Dichloroethane	U	5.00	592	500	69.4		50.0	
2-Butanone	U	5.00	U	500	U		50.0	
2,2-Dichloropropane	ບ	5.00	u	500	U		50.0	
cis-1,2-Dichloroethene	U	5.00	3310	500	2.15	٦	50.0	
Chloroform	u	5.00	U	500	U		50.0	
1,1-Dichloropropene	U	5.00	u	500	U		50.0	
1,2-Dichloroethane	U	5.00	υ	500	U		50.0	
1,1,1-Trichloroethane	u	5.00	9700	500	426		50.0	
Carbon Tetrachioride	ប	5.00	U	500	U		50.0	
Benzene	U	5.00	υ	500	U		50.0	
Trichloroethene	U	5.00	17200	500	417	J	50.0	
1,2-Dichloropropane	U	5.00	U	500	υ		50.0	
Bromodichloromethane	u	5.00	U	500	u		50.0	
Dibromomethane	U	5.00	u	500	U		50.0	
cis-1,3-Dichloropropene	U	5.00	U	500	υ		50.0	
trans-1,3-Dichloropropene	υ	5.00	U	500	U		50.0	
1,1,2-Trichloroethane	U	5.00	u	500	U		50.0	
1,3-Dichloropropane	u	5.00	u	500	U		50.0	
Dibromochloromethane	U	5.00	u	500	U		50.0	
1,2-Dibromoethane	υ	5.00	υ	500	U		50.0	
Bromoform	U	5.00	U	500	U		50.0	
-Methy-2-pentanone	U	5.00	u	500	U		50.0	
Toluene	U	5.00	725	500	U		50.0	
-Hexanone	Ŭ	5.00	u	500	U		50.0	
etrachioroethene	U	5.00	u	500	U		50.0	
hlorobenzene	U	5.00	U	500	U		50.0	
,1,1,2-Tetrachloroethane	U	5.00	U	500	υ		50.0	
thylbenzene	U	5.00	U	500	U		50.0	
&m-Xylene	U	5.00	ບ	1000	U U		50.0	
-Xylene	U	5.00	U	500	U		50.0	
tyrene	U	5.00	U ,,	500	U		50.0	
opropylbenzene	U	5.00	U U	500 500	U U		50.0 50.0	
1,2,2-Tetrachloroethane	UU	5.00 5.00	U	500	Ŭ		50.0	
2,3-Trichloropropane	-		-		U		50.0	
Propylbenzene	U	5.00	น บ	500 500	υ		50.0 50,0	
romobenzene	U	5.00	ŭ	500	Ŭ		50.0	
3.5-Trimethylbenzene	U	5.00 5.00	U	500	υ		50.0	
Chlorotoluene	U	5.00	υ	500	U		50.0	
Chlorotokiene	U	5.00	ŭ	500	ŭ		50.0	
rt-Butyibenzene	ບ ນ	5.00	U	500	U		50.0	
2,4-Trimethylbenzene	U	5.00	υ	500	U		50.0	
c-Butylbenzene	U	5.00	U	500	Ŭ		50.0	
Isopropytoluene	U U	5.00	u	500	U		50.0	
3-Dichlorobenzene	U	5.00	υ	500	U U		50.0	
I-Dichlorobenzene	U	5.00	υ	500	U		50.0 50.0	
Butylbenzene	U U		U U	500 500	U U		i0.0	
2-Dichlorobenzene		5.00	-		U .		0.0 0.0	
2-Dibromo-3-chloropropane	U	5.00	U U	500			i0.0	
4-Trichlorobenzene	U Apr d	5.00	U U	500	U		0.0 0.0	
xachlorobutadiene	1.25 J		U	500	U			
phtnalene 1,3-Trichlorobenzene	บ บ	5.00 5.00	บ น	500 500	ບ ປ		0.0 0.0	

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Method: REAC SOP 1807

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Sample No: Location: Dikution Factor Percent Solids	MeOH Bla	ink B 091106-J 50 100		04109 03 4 18.5' 140 6 5		A 10190 1-036 19.5' 100 87	
Analyte	Result µg/Kg	RL _ µg/Kg	Result µg/Kg	RL µg/Kg	Result µg/Kg	RL µg/Kg	
	U	250	<u>ບ</u>	588	U	575	
Dichlorodifluoromethane	ŭ	250	Ŭ	588	ŭ	575	
hioromethane	υ	250	ŭ	588	ŭ	575	
nyl Chloride	U U	250	Ŭ	588	ŭ	575	
romomethane	U U	250	ŭ	588	ŭ	575	
hloroethane	-		υ	588	υ	575	
richlorofluoromethane	U	250	U	2350	Ŭ	2300	
cetone	u	1000	и U		410	J 575	
1-Dichloroethene	U	250		588		3 373 575	
lethylene Chloride	U	250	U	588	U		
arbon Disulfide	U	250	U U	588	U U	575 575	
ethyl-t-butyl Ether	U	250	U	5 88	U	575	
ans-1,2-Dichloroethene	U	250	U U	588	U U	575	
1-Dichloroethane	U U	250	U	588	-		
Butanone	U	250	U	568	U	575	
2-Dichloropropane	u	250	U	588	U.	575	
s-1,2-Dichloroethene	u	250	U	58 8	U	575	
nioroform	U	250	U	588	U	575	
1-Dichloropropene	U	250	U	588	U	575	
2-Dichlomethane	U	250	u	588	υ	575	
1,1-Trichloroethane	U	250	1940	588	10700	575	
rbon Tetrachloride	u	250	ម	58 8	U	575	
nzene	U	250	U	588	U	575	
chloroethene	υ	250	538	J 588	271	J 575	
2-Dichloropropane	U	250	υ	588	υ	575	
modichloromethane	U	250	U	588	U	575	
romomethane	U	250	ບ	588	U	575	
1,3-Dichloropropene	u	250	U	588	υ	575	
s 1,3-Dichloropropene	U	250	U	588	U	575	
2-Trichloroethane	u	250	υ	588	U	575	
Dichloropropane	U	250	U	588	υ	575	
romochloromethane	υ	250	U	568	U	575	
Dibromoethane	υ	250	U	588	υ	575	
motorm	U	250	U	588	U	575	
lethyl-2-pentanone	υ	250	U	588	u	575	
uene	U	250	U	588	U	575	
exanone	U	250	u	588	U	575	
achioroethene	u	250	υ	588	U	575	
orobenzene	ū	250	U	588	Ū	575	
1,2-Tetrachloroethane	ũ	250	U	588	ū	575	
lbenzene	Ū	250	u	588	υ	575	
n-Xytene	Ū	500	u) 180	U	1150	
lene	บ	250	ម	588	Ú	575	
ene	Ū	250	u	<u>588</u>	ΰ	575	
ropylbenzene	Ū	250	ù.	588	Ū	575	
2,2-Tetrachloroethane	Ū	250	3	588	Ū	575	
3-Trichloropropane	ŭ	250	Ĵ	388	Ŭ	575	
opylbenzene	ม	250	9	: 88	Ū	575	
nobenzene	ū	250	ii -	588	Ŭ	575	
-Trimethylbenzene	ŭ	250	Ŵ	488	ŭ	575	
lonotoluene	ŭ	250	U	588	ŭ	575	
lorotoluene	ŭ	250	ŵ	588	ŭ	575	
Butylbenzene	U U	250	Ψ.	5,88	Ŭ	575	
	U U	250	τ,	5,38	υ	575	
-Trimethylbenzene	U U	250	ι.	5,38	Ŭ	575	
lutylbenzene	U U	250			U U	575	
propyltoluene			لر ۱۰	598 598			
ichlorobenzene	U U		Lų 	548 548	U	575	
lichlorobenzene	U		U)	5U8	U	575	
ylbenzene	U		Lly	5 48	U	575	
ichlorobenzene	ບ		Ui	548	U	575	
ibromo-3-chloroproparie	u		U	568	υ	575	
Trichlorobenzene	ប	250	u	568	U	575	
chlorobutadiene	u	250	υ	588	ប	575	
thalene	u	250	U	588	U	575	

Method: REAC SOP 1807 A 04116 A 04114 A 04113 A 04111 SB-038 18 MeOH Blank B 091206-1 SB-038 15 SB-037 20 Sample No: SB-035 19-20' 2000 500 500 Location: 100 81 50 82 83 Dilution Factor 84 100 Percent Solids RL Result RL Result RL Result RL µg/Kg Result RL µg/Kg µg/Kg Result ug/Kg µg/Kg µg/Kg µg/Kg µg/Kg µg/Kg µg/Кg 12300 Analyte 3050 υ 3010 u υ 595 12300 250 U 3050 υ υ υ 3010 Dichlorodifluoromethane υ 12300 595 υ υ 250 3050 υ 3010 υ υ Chloromethane 595 12300 U υ 250 3050 υ υ 3010 Vinyl Chloride υ 595 12300 υ υ υ 250 υ 3050 3010 Bromomethane υ 595 12300 υ υ 250 3050 U υ Chloroethane υ 3010 595 49400 υ U 250 12200 U υ Trichlorofluoromethane υ 12000 υ 2380 12300 u 1000 3050 4150 υ 3010 u 595 12300 Acetone υ υ 250 3050 u 3010 U 1,1-Dichloroethene U 595 12300 ы 250 3050 U U 3010 U Methylene Chloride u 595 12300 U 250 3050 U 11 3010 υ Carbon Disulfide 595 u 12300 U 250 3050 U U υ 3010 Methyl-t-butyl Ether 595 u 12300 250 U 3050 U trans-1,2-Dichloroethene u υ 3010 U 595 12300 250 υ 3050 υ U υ 1.1-Dichloroethane 3010 595 υ 12300 υ υ 250 3050 υ 3010 U, υ 595 12300 2-Butanone 250 υ 3050 υ U 3010 U υ 2.2-Dichloropropane 595 12300 υ υ 250 3050 υ U 3010 cis-1,2-Dichloroethene υ 595 12300 υ υ 250 3050 υ U 3010 595 υ 12300 Chloroform U 250 3050 υ υ υ 3010 1,1-Dichloropropene 595 υ 12300 υ 278000 250 6100 156000 υ 1,2-Dichloroethane 58000 3010 595 12300 9190 υ 250 3050 υ U 1,1,1-Trichloroethane υ 3010 12300 595 υ 3050 υ 250 U U 3010 Carbon Tetrachioride υ 12300 595 υ 3050 υ 250 υ 854 . 3010 υ 12300 595 Веплепе 561 J U 3050 250 u 3010 υ υ Trichloroethene 12300 595 υ υ 250 3050 U υ 3010 1,2-Dichloropropane υ 595 12300 υ υ 250 3050 υ υ 3010 Bromodichloromethane υ 595 12300 υ υ 3050 250 υ υ 3010 Dibromomethane υ 12300 595 υ υ 3050 250 υ υ 3010 cis-1,3-Dichloropropena υ 12300 595 υ υ 250 3050 υ υ 3010 trans-1,3-Dichloropropene υ 12300 595 υ υ 3050 250 υ υ 1,1,2-Trichloroethane υ 3010 12300 595 υ 3050 υ 250 υ υ 3010 1,3-Dichloropropane υ 12300 595 υ 3050 υ 250 υ υ 3010 Dibromochloromethane υ 595 12300 υ 3050 υ 250 υ 3010 υ 1,2-Dibromoethane υ 595 12300 υ υ 3050 250 υ υ 3010 υ Bromoform 595 12300 υ υ 3050 250 υ υ 3010 4-Methyl-2-pentanone υ 12300 595 υ υ 250 υ 3050 υ 3010 υ 595 12300 Toluene υ υ 250 3050 υ υ υ 3010 12300 595 2-Hexanone υ υ 250 3050 υ υ Tetrachloroethene U 3010 12300 595 υ υ 250 3050 υ υ υ 3010 Chlorobenzene 595 12300 υ υ 3050 υ 250 υ 1,1,1,2-Tetrachloroethane U 3010 υ 595 υ 24700 250 6100 υ υ 6020 υ Ethylbenzene 1190 12300 υ υ υ 500 υ 3050 Ū 3010 p&m-Xylene 595 12300 υ υ υ 250 υ 3050 3010 υ o-Xylene Ū 595 12300 υ 250 3050 υ u 3010 υ Styrene 595 12300 υ 250 3050 υ υ υ υ 3010 Isopropyibenzene 595 Ū 12300 υ 250 Ū 3050 υ 1,1,2,2-Tetrachloroethane υ 3010 12300 υ 595 υ 250 3050 υ υ 3010 1,2,3-Trichloropropane υ 595 12300 υ υ 3050 250 U υ υ 3010 595 12300 n-Propylbenzene υ υ 250 3050 υ υ 3010 υ Bromobenzene 595 12300 υ υ 250 3050 υ U 1,3,5-Trimethylbenzene υ 3010 U 595 12300 υ 250 3050 υ U 3010 υ 2-Chlorotoluene 595 υ υ 12300 250 υ υ 3050 υ 3010 4-Chlorotoluene 12300 595 U υ 250 3050 υ υ 3010 υ tert-Butylbenzene U 595 12300 υ 250 3050 υ U 1,2,4-Trimethylbenzene υ 3010 595 12300 υ υ 250 3050 υ U υ 3010 sec-Butylbenzene 595 12300 υ υ 250 3050 υ U 3010 υ p-isopropyltoluene υ 595 12300 u 250 3050 υ U 3010 1,3-Dichlorobenzene U 595 12300 U 250 305**0** U U U 3010 1,4-Dichlorobenzene 595 U 12300 u 3050 250 υ U υ 3010 n-Butylbenzene 595 υ 12300 250 U 3050 υ U υ 3010 1.2-Dichlorobenzene υ 595 12300 250 U 30**50** υ υ υ 3010 1.2-Dibromo-3-chloropropane υ 595 υ 12300 250 υ U 3050 υ 3010 1.2.4 Trichlorobenzene υ υ 595 12300 υ 250 υ 3050 υ Hexachlorobutadiene 3010 υ 595 12300 υ υ υ 250 υ 3050 3010 Naphthalene υ υ 595 250 U

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1,2,3-Trichlorobenzene

Method: REAC SOP 1807

1

	MeOH Blank	B 091206-1		0 93		04115 039 17-18'
Sample No: Location:				3(120' 0()	SB-C	5000
Dilution Factor	50			83		82
Percent Solids	10					DI
	Result	RL	Result	RL µg/Kg	Result µg/Kg	RL µg/Kg
Analyte	µg/Kg	µg/Kg	µg/Kg		parta	
	U	250	U	3010	U	30500
Dichlorodifluoromethane Chloromethane	ŭ	250	U	3010	U U	30500 30500
Vinyl Chloride	U	250	U	3010 3010	Ŭ	30500
Bromomethane	U	250 250	U U	3010	Ũ	30500
Chloroethane	U U	250	Ŭ	3010	U	30500
Trichlorofluoromethane	Ŭ	1000	U	12000	U	122000 J 30500
Acetone 1,1-Dichloroethene	Ŭ	250	-	J 3010	12700 U	J 30500 30500
Methylene Chloride	U	250	U	3010 3010	Ŭ	30500
Carbon Disulfide	U	250 250	U U	3010	Ŭ	30500
Methyl-t-butyl Ether	U U	250	ŭ	3010	U	30500
trans-1,2-Dichloroethene	Ŭ	250	Ũ	3010	U	30500
1,1-Dichloroethane	ŭ	250	U	3010	U	30500 30500
2-Butanone 2,2-Dichloropropane	Ŭ	250	U	3010 3010	U U	30500
cis-1,2-Dichloroethene	U	250	U U	3010	Ŭ	30500
Chloroform	U	250 250	ν U	3010	Ŭ	30500
1,1-Dichloropropene	U U	250	Ŭ	3010	U	30500
1,2-Dichloroethane	U	250	51600	3010	884000	30500 30500
1,1,1-Trichloroethane Carbon Tetrachloride	Ŭ	250	U	3010	U U	30500
Benzene	U	250	U	3010	Ŭ	30500
Trichloroethene	U	250 250	U U	3010	ŭ	30500
1,2-Dichloropropane	U U	250	ŭ	3010	U	30500
Bromodichloromethane	Ŭ	250	U	3010	U	30500
Dibromomethane	Ŭ	250	U	3010	U	30500 30500
cis-1,3-Dichloropropene trans-1,3-Dichloropropene	U	250	U	3010 3010	UU	30500
1,1,2-Trichloroethane	U	250	U U	3010	ŭ	30500
1,3-Dichloropropane	U	250 250	Ŭ	3010	U	30500
Dibromochloromethane	U U	250	Ŭ	3010	U	30500
1,2-Dibromoethane	ŭ	250	U	3010	U	30500 30500
Bromoform 4-Methyl-2-pentanone	Ŭ	250	U	3010	U U	30500
Toluene	U	250	U U	3010 3010	ŭ	30500
2-Hexanone	U	250 250	U	010	Ŭ	30500
Tetrachloroethene	U U	250	Ŭ	Ŷ010	U	30500
Chlorobenzene	U	250	U	010	U	30500 30500
1,1,1,2-Tetrachloroethane	ŭ	250	U	4010 6020	U U	61000
Ethylbenzene p&m-Xylene	U	500	5	૬020 ૨010	U	30500
o-Xylene	U	250 250	ر ر	3010	Ŭ	30500
Styrene	U U	250	Ū.	3,010	U	30500
Isopropyibenzene	U	250	ιŭ.	3,010	U	30500
1,1,2,2-Tetrachloroethane 1,2,3-Trichloropropane	ŭ	250	NJ.	3,010	U U	30500 30500
n-Propylbenzene	U	250	Ψ ω	3y10 3y10	υ	30500
Bromobenzene	U	250	u U	3010	Ŭ	30500
1,3,5-Trimethylbenzene	U	250 250	ų	3010	Ŭ	30500
2-Chlorotoluene	U U	250	ų	3010	U	30500
4-Chlorotoluene	Ŭ	250	Ļ	3(-10	U	30500 30500
tert-Butylbenzene 1,2,4-Trimethylbenzene	Ŭ	250	Ļ	3(-10	U U	30500
sec-Butylbenzene	U	250	L,	30/10 30/10	U	30500
p-isopropyitoluene	U	250	uj Uj	30/10	Ŭ	30500
1,3-Dichlorobenzene	U	250 250	U)	30,10	Ū	30500
1,4-Dichlorobenzene	U U	250	U)	30,10	U	30500
n-Butylbenzene	U	250	U	3010	U	30500
1.2-Dichlorobenzene 1.2-Dibromo-3-chloropropane	ŭ	250	U	3010	U	30500 30500
1,2,4-Trichlorobenzene	Ū	250	U.	30/0 30/0	U U	30500
Hexachlorobutadiene	U	250	U	30' ₁ 0 30'10	U	30500
Naphthalene	U	250 250	บ บ	3010	Ŭ	30500
1,2,3-Trichlorobenzene	U	250	9			

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Method: REAC SOP 1807 A 22428 A 22409 A 10192 A 10191 SB-040 20' MeOH Blank B 091206-4 SB-040 18 SB-039 20* Sample No: SB-039 19.5' 100 2500 1000 Location: 500 85 50 81 Dilution Factor 84 83 100 Percent Solids RL RL Result Result Result RL RL Result µg/Kg µg/Kg Result RL µg/Kg µа/Ка µg/Kg µg/Kg µg/Kg µg/Kg µg/Kg µg/Kg 588 Analyta 15400 υ 5950 u υ 3010 588 U 250 U 15400 U 5950 υ Dichlorodifluoromethane u 3010 588 U 15400 U 250 υ u 5950 υ Chloromethane 3010 588 υ 15400 u 250 υ 5950 υ Vinyl Chloride υ 3010 588 υ υ 250 15400 υ υ 5950 υ Bromomethane 3010 588 υ υ 15400 250 υ υ 5950 Chloroethane 3010 υ 2350 υ υ 250 61700 υ υ 23800 Trichlorofluoromethane υ 588 12000 υ 319 J 1000 15400 υ υ 5950 υ 3010 588 Ú Acetone υ 15400 250 υ υ 5950 υ 1,1-Dichloroethene 588 υ 3010 υ 15400 250 υ υ Methylene Chloride 5950 υ υ 3010 υ 588 15400 250 U υ 5950 υ Carbon Disulfide 3010 588 υ υ 250 15400 υ υ 5950 υ Methyl-t-butyl Ether 3010 588 U υ 250 15400 υ trans-1,2-Dichloroethene υ 5950 U 3010 588 U υ 250 15400 υ U 5950 1,1-Dichloroethane U 3010 588 υ 250 U 15400 υ U 5950 U 3010 588 2-Bulanone υ U 250 15400 u υ 5950 u 3010 588 2.2-Dichloropropane U U 15400 250 υ 5950 U cis-1,2-Dichloroethene u 3010 588 υ u 15400 250 U 5950 u u 3010 588 Chloroform U U. 15400 250 υ 5950 υ 1.1-Dichloropropene 3010 11 16700 588 u 15400 250 328000 U 5950 18300 588 1.2-Dichloroethane 3010 86500 15400 U 250 υ 5950 U 1,1,1-Trichlomethane u 588 3010 U 250 υ 15400 υ 5950 υ Carbon Tetrachloride U 588 3010 J 233 250 υ 15400 υ 5950 U 3010 υ 588 Renzene U 15400 U 250 υ 5950 U υ 588 Trichloroethene 3010 υ υ 15400 250 υ 5950 U U 588 1.2-Dichloropropane 3010 U υ 15400 250 υ U 5950 Bromodichloromethane U 588 3010 υ υ 15400 250 υ 5950 υ Dibromomethane 3010 U 588 U υ 15400 250 υ U 5950 cis-1,3-Dichloropropene 3010 υ 588 υ υ 15400 250 υ 5950 υ trans-1,3-Dichloropropene υ 588 3010 υ 15400 υ 250 υ 5950 U υ 588 1.1.2-Trichloroethane 3010 υ 250 υ 15400 υ 5950 υ υ 588 1.3-Dichloropropane 3010 250 υ 15400 υ υ υ 5950 Dibromochloromethane 3010 υ 588 υ 15400 υ 250 υ 5950 υ 588 υ 1.2-Dibromoethane 3010 υ υ 15400 250 υ 5950 U υ 588 Bromoform 3010 υ 15400 u 250 υ U 5950 υ 588 4-Methyl-2-pentanone 3010 u υ 15400 250 υ υ 5950 3010 υ 588 υ Toluene υ 15400 250 υ υ 5950 3010 υ 588 2-Hexanone υ 15400 υ 250 υ u 5950 υ 588 Tetrachloroethene 3010 υ 15400 υ 250 υ υ 5950 588 3010 U Chlorobenzene υ 15400 υ 250 υ 5950 υ 1,1,1,2-Tetrachloroethane υ 1180 3010 υ 30900 u 250 υ υ 11900 υ 6020 588 Ethylbenzene υ 15400 υ 500 υ 5950 υ υ p&m-Xylene 3010 588 υ 15400 υ 250 υ υ 5950 υ o-Xylane 3010 588 υ u 15400 250 υ υ 5950 υ 3010 588 Styrene υ 15400 υ 250 υ υ 5950 Isopropyibenzene 3010 υ 588 υ 15400 υ 250 υ υ 5950 1,1,2,2-Tetrachioroethane 3010 υ 588 υ 15400 U 250 υ U 5950 υ 588 1,2,3-Trichloropropane 3010 250 υ 15400 U υ υ 5950 3010 υ 588 n-Propylbenzene 250 υ 15400 u υ 5950 υ υ 3010 588 Bromobenzene υ 15400 υ 250 υ υ 5950 1,3,5-Trimethylbenzene υ 588 3010 υ 15400 υ 250 υ 5950 υ υ 3010 588 2-Chlorotoluene υ 15400 U 250 υ 5950 υ υ A_Chiorotoluene 3010 15400 588 υ u 250 υ υ 5950 υ tert-Butylbenzene 3010 588 υ υ 15400 υ 250 υ 5950 1,2,4-Trimethylbenzene 3010 υ 588 υ 15400 u 250 υ υ 59**50** 3010 υ 588 sec-Bulylbenzene υ υ 250 15400 υ υ 5950 υ p-isopropyitoluene 588 3010 250 υ 15400 υ υ υ 5950 1,3-Dichlorobenzene υ 3010 588 υ υ 15400 250 υ 5950 υ 1,4-Dichlorobenzene υ 3010 588 υ 15400 υ 250 υ υ 5950 υ n-Butylbenzene 3010 588 υ υ 250 15400 υ U 5950 1,2-Dichlorobenzene U 3010 588 u υ 250 15400 u 5950 υ 1,2-Dibromo-3-chloropropane 3010 υ 588 υ 15400 u 250 U υ 1,2,4 Trichlorobenzene 5950 u 3010 588 υ U 250 15400 υ 5950 υ U Hexachlorobutadiene 3010 588 υ 15400 U 250 u υ 5950 Naphthalene υ 3010 υ 250 υ

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1,2,3-Trichlorobenzene

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Method: REAC SOP 1807 Sample No:	MeOH Blank	B 091206-4	SB-04	3899 1 (6.5'	SB-0	5159 141 19' 100		. 15158 042 19.5' 200		23898 044 15.5 100
Location:	5	D		0013		87		82		83
Dilution Factor	10	0	8	12		57				
Percent Solids		•				-	Denvilt	RL	Result	RL
	D M	RL	Result	RL	Result	RL	Result	µg/Kg	µg/Kg	µg/Kg
	Result	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	pgrig		
Analyte	ug/Kg	Light Sa						1220	υ	602
			υ	122000	υ	2870	U		Ŭ	602
Dichlorodifluoromethane	U	250		122000	U	2870	U	1220	-	602
Chioromethane	υ	250	U	122000	Ū	2870	υ	1220	U	602
	U	250	· U		Ŭ	2870	υ	1220	U	602
Vinyi Chloride	U	250	U	122000	Ŭ	2870	U	1220	U	
Bromomethane	U	250	U	122000		2870	Ū	1220	U	602
Chloroethane	Ŭ	250	υ	122000	U	11500	Ŭ	4880	U	2410
Trichiorofluoromethane	ບັ	1000	U	,488000	U		1180	J 1220	519	J 602
Acetone	Ŭ	250	υ	122000	U	2870	U	1220	U	602
1,1-Dichloroethene		250	U	122000	U	2870	-	1220	U	602
Methylene Chloride	U	250	Ū	122000	U	2870	U	1220	Ŭ	602
Carbon Disulfide	U	250	ŭ	122000	U	2870	U		Ŭ	602
Methyl-I-bulyl Ether	U		Ŭ	122000	U	2870	υ	1220	Ŭ	602
trans-1,2-Dichloroethene	U	250	-	122000	Ũ	2870	υ	1220	-	602
1.1-Dichloroethane	υ	250	U	122000	Ŭ	2870	υ	1220	U	602
	U	250	U		Ŭ	2870	U	1220	U	602
2-Butanone	U	250	U	22000	υ	2870	υ	1220	U	
2,2-Dichloropropane	Ŭ	250	U	22000		2870	Ũ	1220	U	602
cis-1.2-Dichloroethene	Ŭ	250	U	22000	U	2870	ŭ	1220	υ	602
Chloroform	ŭ	250	U	22000	U	2870	ŭ	1220	υ	602
1,1-Dichloropropene	ŭ	250	υ	22000	U		58200	3050	37600	3010
1,2-Dichloroethane	Ŭ	250	2650000	22000	36500	2870	55200 U	1220	U	602
1,1,1-Trichloroethane		250	Ū	22000	υ	2870	Ŭ	1220	Ū	602
Carbon Tetrachloride	U	250	ŭ	122000	U	2870	-	1220	487	j 602
Benzene	U	250	Ŭ	122000	U	2870	2110	1220	U	602
Trichloroethene	U		ŭ	122000	U	2870	U		Ŭ	602
1,2-Dichloropropane	U	250		122000	U	2870	U	1220	ŭ	602
Bromodichioromethane	U	250	U	122000	ŭ	2870	U	1220	-	602
Dibromomethane	U	250	U	122000	Ŭ	2870	U	1220	U	602
cis-1,3-Dichloropropene	U	250	U	1	Ŭ	2870	U	1220	U	602
CIS-1,3-Dichioropropene	U	250	υ	122000	ŭ	2870	υ	1220	U	
trans-1,3-Dichloropropene	υ	250	υ	1 22000	ŭ	2870	υ	1220	U	602
1,1,2-Trichloroethane	Ŭ	250	U	1.2000	-	2870	U	1220	U	602
1,3-Dichloropropane	บั	250	J	1.,2000	U	2870	Ŭ	1220	U	602
Dibromochloromethane	Ŭ	250	J	1.,2000	U	2870	Ŭ	1220	U	602
1,2-Dibromoethane	Ŭ	250	J	1:,2000	U		ŭ	1220	υ	602
Bromoform	Ŭ	250	iU	17,2000	U	2870	ŭ	1220	υ	602
4-Methyl-2-pentanone	Ŭ	250	iU	122000	U	2870	ŭ	1220	U	602
Toluene	-	250	Ŭ	122000	U	2870	U	1220	Ū	602
2-Hexanone	U	250	Ŭ	122000	υ	2870	-	1220	Ū	602
Tetrachloroethene	U	250	Ŭ	12,2000	U	2870	U	1220	ŭ	802
Chiorobenzene	U	250	Ň	122000	U	2870	U	1220	Ŭ	602
1,1,1,2-Tetrachloroethane	U		ŭ	122000	U	2870	U		ŭ	1200
Ethylbenzene	U	250	ŭ	24,1000	υ	5750	U	2440	Ŭ	602
p&m-Xylene	U	500		12,000	U	2870	U	1220	Ŭ	602
o-Xylene	U	250	L.	12:2000	Ŭ	2870	U	1220	Ŭ	602
	U	250	<u>ر</u>	124000	Ŭ	2870	U	1220	-	602
Styrene Isopropyibenzene	U	250	L,		Ŭ	2870	U	1220	U	602
1,1,2,2-Tetrachloroethane	U	250	u,	122000	Ŭ	2870	U	1220	U	602
	U	250	u,	124000		2870	U	1220	U	
1,2,3-Trichloropropane	Ū	250	U,	122000	U	2870	Ū	1220	U	802
n-Propylbenzene	Ŭ	250	Uį	122,000		2870	Ū	1220	U	602
Bromobenzene	Ŭ	250	Uł	122,000	U	2870	Ŭ	1220	U	602
1,3,5-Trimathylbenzene	Ŭ	250	UI	122,000	U		Ŭ	1220	U	602
2-Chlorotoluene	U	250	U	122,000	U	2870	ŭ	1220	U	602
4-Chlorotoluene		250	U	122,000	U	2870		1220	Ū	602
tert-Butylbenzene	U	250	Ŭ	122,000	U	2870	U	1220	Ŭ	602
1,2,4-Trimethylbenzene	U		Ŭ	122,000	U	2870	U		Ŭ	602
sec-Butylbenzene	U	250		122,000	U	2870	U	1220		602
p-isopropyitoluene	U	250	U	122400	Ŭ	2870	U	1220	U	602
1.3-Dichlorobenzene	U	250	U		U	2870	υ	1220	U	
	U	250	U	122400		2870	υ	1220	U	602
1.4-Dichlorobenzene	Ũ	250	U	122600	U	2870	Ŭ	1220	U	602
n-Butylbanzene	Ŭ	250	U	12200	U		Ŭ	1220	U	602
1,2-Dichlorobenzene	U	250	U	1220 <mark>,0</mark> 0	U	2870	U	1220	U	602
1,2-Dibromo-3-chloropropane		250	Ŭ	1220,00	U	2870		1220	Ŭ	602
1,2,4-Trichlorobenzene	U	250	Ŭ	1220,00	U	2870	U		Ŭ	602
Hexachlorobutadiene	U		Ŭ	1220,00	U	2870	U	1220	Ŭ	602
Naphthalene	U	250	U	1220,00	U	2870	U	1220	0	
	U	250	0							

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Method: REAC SOP 1807 A 15178 A 15167 A 15160 SB-046 18.5 A 15156 MeOH Blank B 091206-4 SB-046 16' SB-045 17.5 Sample No: SB-044 20 5000 100 10000 Location: 20000 60 50 80 Dilution Factor 80 86 100 Percent Solids RL Result RL Result RL Result µg/Kg RL Result µg/Kg RL µg/Kg Result µg/Kg µg/Kg µg/Kg µg/Kg µg/Кg µg/Kg µg/Kg 31300 Analyte 625 υ υ 82500 υ 31300 116000 250 u 625 υ υ υ 62500 Dichlorodifluoromethane υ 116000 31300 υ υ 250 625 U υ 62500 υ Chloromethane 116000 31300 υ U 250 625 υ U 62500 υ Vinyl Chloride 31300 118000 υ υ υ 250 υ 825 62500 υ Bromomethane 116000 31300 υ υ 250 825 U υ 62500 116000 υ 125000 Chloroethane υ υ 2500 250 υ υ 250000 Trichlorofluoromethane υ 31300 465000 υ υ 1000 625 υ U 62500 U 116000 31300 Acatone υ υ 250 625 υ 1.1-Dichloroethene U 62500 υ 31300 116000 u υ 250 625 u U 62500 Methylene Chloride U 116000 31300 U υ 250 625 u U. 62500 Carbon Disulfide 116000 U 31300 υ 250 υ 625 u U 62500 Methyl-t-butyl Ether 116000 υ 31300 250 U 625 U U 62500 υ trans-1,2-Dichloroethene 116000 υ 31300 250 U 625 υ u 62500 u 1,1-Dichloroethane 116000 υ 31300 υ u 250 625 υ 62500 U υ 31300 2-Butanone 116000 250 υ 625 υ υ 62500 υ υ 31300 2.2-Dichloropropane 116000 U U 250 625 υ υ 62500 cis-1,2-Dichloroethene υ 31300 116000 U υ 250 625 υ υ 62500 116000 υ 31300 Chloroform U 250 U 625 υ U 62500 1,1-Dichloropropene 116000 U 31300 υ 296000 250 625 5360 υ 62500 1.2-Dichloroethane 1090000 31300 116000 4350000 υ 250 625 υ υ 62500 1,1,1-Trichloroethane 116000 υ 31300 υ 625 υ 250 U υ 62500 Carbon Tetrachloride υ 116000 31300 υ 625 υ 250 209 J υ 62500 υ 31300 116000 Benzene υ υ 625 250 U 62500 υ υ 31300 Trichloroethene 116000 υ U 625 250 υ 62500 υ υ 1,2-Dichloropropane 116000 31300 υ υ 625 250 υ υ 62500 Bromodichloromethane υ 116000 31300 υ υ 250 υ 625 υ 62500 Dibromomethane υ 31300 116000 υ u 250 625 υ υ 62500 cis-1,3-Dichloropropene υ 31300 116000 υ υ 625 250 υ υ 62500 trans-1,3-Dichloropropene υ 31300 116000 υ u 625 250 υ υ 62500 1,1,2-Trichloroethane υ 31300 116000 υ υ 625 250 υ 62500 υ 1,3-Dichloropropane υ 116000 31300 υ 625 υ 250 υ υ 62500 Dibromochloromethane υ 31300 116000 υ υ 625 250 u 62500 υ 1,2-Dibromoethane υ 116000 31300 υ υ 625 250 υ 62500 υ υ 116000 31300 Bromoform υ υ 625 250 υ υ 62500 υ 4-Methyl-2-pentanone 116000 31300 υ υ 250 υ 625 υ 62500 υ 31300 116000 Toluene υ υ 250 625 υ υ 62500 υ 31300 116000 2-Hexanone υ υ 625 250 υ U 62500 Tetrachioroethene υ 31300 116000 υ υ 625 250 υ υ 62500 υ 31300 Chlorobenzene 116000 υ υ 625 υ 250 υ 82500 1,1,1,2-Tetrachioroethane υ 62500 116000 u υ 1250 250 υ 125000 υ υ 31300 Ethylbenzene 233000 υ υ 625 υ 500 62500 υ υ 116000 31300 p&m-Xylene υ υ 250 υ 625 υ 62500 υ 31300 o-Xylene 116000 υ υ 250 625 υ u 62500 υ Styrene 31300 116000 υ 250 υ 625 υ U υ 62500 Isopropythenzene 31300 116000 υ υ 250 625 υ 62500 1,1,2,2-Tetrachloroethane U υ 31300 116000 υ υ 250 625 u υ 1,2,3-Trichloropropane 62500 υ 31300 116000 υ 625 υ 250 υ υ 62500 υ 31300 116000 n-Propylbenzene υ υ 625 250 U u 62500 υ 31300 Bromobenzene 116000 υ υ 625 250 υ 62500 υ 1,3,5-Trimethylbenzene 116000 υ 31300 υ υ 625 υ 250 62500 υ υ 116000 31300 2-Chlorotoiuene υ υ 625 250 υ υ 62500 116000 υ 31300 4-Chlorotoluene υ υ 250 625 υ υ 62500 tert-Butylbenzene 116000 υ 31300 υ υ 250 625 υ υ 62500 1,2,4-Trimethylbenzene υ 116000 31300 υ υ 250 625 υ υ υ 62500 sec-Butylbenzene 31300 116000 υ υ 250 625 υ u 62500 p-isopropyltoluene 116000 υ υ υ 31300 250 625 υ υ 1,3-Dichlorobenzene 62500 U 116000 31300 υ υ 250 625 u u 62500 1.4-Dichlorobenzene 116000 U 31300 250 U 625 υ U 62500 u n-Butylbenzene u 31300 116000 250 υ 625 υ U u 62500 1.2 Dichlorobenzene υ 116000 31300 250 U 625 υ υ υ 1,2-Dibromo-3-chloropropane 62500 υ 31300 116000 υ υ 250 625 υ 62500 υ 1.2.4-Trichlorobenzene υ 116000 υ 31300 U 625 υ 250 υ 62500 υ Hexachlorobutadiene 116000 31300 υ υ υ 250 υ 625 62500 Naphthalene υ 116000 250 U

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1,2.3-Trichlorobenzene

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Method: REAC SOP 1807 Sample No: Location: Dilution Factor	MeOH Blank	0		151,6 -046 500 82			1515 051 1 500 81				A 15 SB-04 200 7	14 18' 000
Percent Solids	10	0							0	RL	Result	RL
	Result	RL	Result		RL	Result		RL µg/Kg	Result µg/Kg	µg/Kg	µg/Kg	µg/Kg
Analyte	µg/Kg	µg/Kg	ug/Kg		µg/Kg	µg/Kg				04700	U	128000
	U	250	U		3050	U		3090	U U	24700 24700	Ŭ	128000
Dichlorodifluoromethane	U	250	U		3050	U		3090 3090	U	24700	Ū	128000
Chloromethane	Ŭ	250	U		3050	U U		3090	ŭ	24700	U	128000
Vinyl Chloride Bromomethane	U	250	U		3050 3050	Ŭ		3090	U	24700	U	128000 128000
Chloroethane	U	250 250	U U		3050	ŭ		3090	U	24700	U U	513000
Trichlorofluoromethane	U U	1000	ŭ		12200	U		12300	U U	98800 24700	Ŭ	128000
Acetone	U	250	1350	J	3050	1930	J	3090 3090	U	24700	Ū	128000
1,1-Dichloroethene	Ŭ	250	υ		3050	U U		3090	Ŭ	24700	υ	128000
Methylene Chloride Carbon Disulfide	U	250	U		3050 3050	Ŭ		3090	U	24700	U	128000 128000
Methyl-t-butyl Ether	U	250	U U		3050	ŭ		3090	U	24700	U U	128000
trans-1,2-Dichloroethene	U	250 250	Ŭ		3050	U		3090	U	24700 24700	Ŭ	128000
1,1-Dichloroethane	U U	250	Ũ		3050	U		3090	U U	24700	Ŭ	128000
2-Butanone	Ŭ	250	U		3050	U		3090 3090	Ŭ	24700	U	128000
2,2-Dichloropropane cis-1,2-Dichloroethene	ŭ	250	U		3050	U U		3090	Ū	24700	U	128000 128000
Chloroform	U	250	UU		3050	ŭ		3090	U	24700	U U	128000
1,1-Dichloropropene	U	250 250	U		3050	Ŭ		3090	U	24700 24700	3200000	128000
1,2-Dichloroethane	U U	250	\$5300		3050	39400		3090	285000 U	24700	U	128000
1,1,1-Trichloroethane	Ŭ	250	U		3050	U		3090 3090	Ŭ	24700	U	128000
Carbon Tetrachloride	Ŭ	250	U		3050 3050	U 1380	J	3090	Ū	24700	U	128000 128000
Benzena Trichloroethene	U	250	:3590 ປ		3050	Ű	•	3090	U	24700	U U	128000
1,2-Dichloropropane	U	250 250	บั		3050	υ		3090	U	24700 24700	Ŭ	128000
Bromodichloromethane	U U	250	Ũ		3050	U		3090 3090	U U	24700	Ũ	128000
Dibromomethane	ŭ	250	U		;3050	U U		3090	Ŭ	24700	U	128000
cis-1,3-Dichloropropene trans-1,3-Dichloropropene	U	250	U		3050 3050	ŭ		3090	υ	24700	U	128000 128000
1,1,2-Trichloroethane	U	250 250	UU		3050	ũ		3090	U	24700 24700	U U	128000
1,3-Dichloropropane	U U	250	ŭ		2050	υ		3090	U U	24700	ŭ	128000
Dibromochloromethane	Ŭ	250	U		050	U		3090 3090	Ŭ	24700	U	128000
1,2-Dibromoethane	Ŭ	250	U		050 0050	UU		3090	U	24700	U	128000 128000
Bromoform 4-Methyl-2-pentanone	U	250	U U		3050	ŭ		3090	U	24700	U U	128000
Toluene	U	250 250	Ŭ		050	U		3090	U	24700 24700	ŭ	128000
2-Hexanone	U U	250	Ĵ		Q050	U		3090 3090	U U	24700	Ŭ	128000
Tetrachioroethene	Ŭ	250	J		C050	UU		3090	ŭ	24700	U	128000 128000
Chiorobenzene 1,1,1,2-Tetrachioroethane	υ	250	ر		3050 3050	Ŭ		3090	U	24700	U U	256000
Ethylbenzene	U	250 500	U.		6100	U		6170	U	49400 24700	ŭ	128000
p&m-Xylene	U U	250	Ū.		3,050	U		3090 3090	U U	24700	Ū	128000
o-Xylene	Ŭ	250	ψ		3050	· U		3090	Ŭ	24700	U	128000
Styrene Isopropylbenzene	U	250	U U		3050 3050	ŭ		3090	U	24700	U U	128000 128000
1,1,2,2-Tetrachloroethane	U	250	Q Q		3050	Ū		3090	U	24700	U	128000
1,2,3-Trichloropropane	U U	250 250	, Ĉ		3450	U		3090	UU	24700	ŭ	128000
n-Propylbenzene	Ŭ	250	Ļ		3450	U		3090 3090	ŭ	24700	U	128000
Bromobenzene 1,3,5-Trimethylbenzene	Ŭ	250	L,		3650 3650	UU		3090	Ũ	24700	U	128000 128000
2-Chlorotoluene	U	250	uj Uj		30,50	Ŭ		3090	U	24700	U U	128000
4-Chloratoluene	U	250 250	U,		30,50	Ū		3090	U	24700 24700	U	128000
tert-Butylbenzene	U	250	U,		30,50	U		3090	U	24700	Ŭ	128000
1,2,4-Trimethylbenzene	U U	250	U		30,50	U		3090 3090	U U	24700	Ū	128000
sec-Butylbenzene	Ŭ	250	U		30,50	UU		3090	Ŭ	24700	U	128000
p-Isopropyltoluene 1,3-Dichlorobenzene	Ŭ	250	U		30;50 30,50	U		3090	Ŭ	24700	U	128000 128000
1,4-Dichlorobenzene	U	250	U U		30,00	ŭ		3090	U	24700	U U	128000
n-Butylbenzene	U	250 250	υ,		30:0	U		3090	U	24700 24700	U	128000
1.2-Dichlorobenzene	U U	250	υ		3040	U		3090	U U	24700	Ŭ	128000
1.2-Dibromo-3-chioropropane	U	250	Ŭ		3040	U		30 90 30 90	U	24700	Ū	128000
1,2,4-Trichlorobenzene	U	250	U		3050	U		3090	U	24700	U	128000
Hexachlorobutadiene Naphthalene	Ŭ	250	U		3050 3053	U U		3090	Ŭ	24700	U	128000
1.2.3-Trichlorobenzene	U	250	U		3050	U						rv2368

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Method: REAC SOP 1807 Sample No: Location:	Soit Blank /	1	A 04 SB-03 1	4 7.5				15157 043 20 10 80			15179 047 20 5 80	
Dilution Factor	10	ю	8	6		-				÷		RL
Percent Solids	Result	RL µg/Kg	Resuit µg/Kg	RL µg/Kg	Result µg/Kg	RL µg/Kg	Result µg/Kg		RL µg/Kg	Result µg/Kg		μg/
Analyte	µg/Kg	pgring	19719			30.1	υ		62.5	U		31
	U	5.00	U	5.81	U	30.1	Ŭ		82.5	U		31
Dichlorodifuoromethane	ŭ	5.00	U	5.81	U	30.1	ũ		62.5	U		31
Chioromethane	ŭ	5.00	U	5.81	U	30.1	Ũ		62.5	υ		31
Vinyt Chloride	Ŭ	5.00	U	5.81	U	30.1	Ŭ		62.5	U		31
Bromomethane	Ŭ	5.00	U	5.81	U	30.1	ũ		62.5	U		31
Chloroethane	Ŭ	5.00	υ	5.81	U	120	153	J	250	168	J	1
Trichlorofluoromethane	ŭ	20.0	U	23.3	U	30.1	25.3	J	62.5	81.1	J	31
Acetone	Ŭ	5.00	U	5.81	U	30.1	U		82.5	U		31
1,1-Dichloroethene	ŭ	5.00	U	5.81	U U	30.1	17.5	J	62.5	19.3	J	31
Methylene Chloride	Ŭ	5.00	U	5.81	U	30.1	U		62.5	U		31
Carbon Disulfide	ŭ	5.00	U	5.81	Ŭ	30.1	U		82.5	U		31
Methyl-I-butyl Ether	Ŭ	5.00	U	5.81	U	30.1	76.5	J	62.5	166	J	31
trans-1,2-Dichloroethene	ŭ	5.00	U	5.81	U	30.1	21.5	J	62.5	26.1	J	31 31
1,1-Dichloroethane	Ŭ	5.00	υ	5.81	U	30.1	υ		62.5	U		31
2-Butenone	Ŭ	5.00	U	5.81	U	30.1	U		62.5	13.3	j	3
2,2-Dichloropropane	Ū	5.00	U	5.81	Ŭ	30.1	U		62.5	U		3
cis-1,2-Dichloroethene	Ŭ	5.00	U	5.81	Ŭ	30.1	U		62.5	U		3
Chloroform	Ŭ	5.00	U	5.81	Ŭ	30.1	U		62.5	U		31
1,1-Dichloropropene	Ŭ	5.00	U	5.81 5.81	305	30.1	1650	J	62.5	164	J	31
1,2-Dichloroethane	1.65	5.00	76.9		U	30.1	U		62.5	U		31
1,1,1-Trichloroethane	U	5.00	U	5.81 5.81	ŭ	30.1	U		62.5	U	J	31
Carbon Tetrachloride	U	5.00	U	5.81	ŭ	30.1	55.3	J	82.5	135	3	3
Benzene	Ű	5.00	U	5.81	ŭ	30.1	U		82.5	U		31
Trichloroethene	U	5.00	U	5.81	ŭ	30.1	U		62.5	U U		31
1,2-Dichloropropane	U	5.00	U	5.81	ũ	30.1	U		62.5	U		31
Bromodichloromethane	υ	5.00	U	5.81	ŭ	30.1	U		62.5	U		31
Dibromomethane cis-1,3-Dichloropropene	U	5.00	U	5.81	Ũ	30.1	U		62.5	Ŭ		31
trans-1,3-Dichloropropene	U	5.00	U	5.81	Ŭ	30.1	U		62.5	Ŭ		3.
1,1,2-Trichloroethane	U	5.00	U U	5.81	ũ	30.1	U		62.5 62.5	Ŭ		3.
1.3-Dichloropropane	U	5.00	Ŭ	5.81	U	30.1	U		62.5	Ŭ		31
Dibromochloromethane	U	5.00	υ	5.81	U	30.1	U		62.5	ŭ		31
1.2-Dibromoethane	U	5.00	Ŭ	5.81	U	30.1	U		62.5	ŭ		3
Bromoform	U	5.00	ŭ	5.81	U	30.1	U		62.5	Ŭ		31
4-Methyl-2-peritanone	U	5.00 5.00	ŭ	5.81	U	30.1	U		62.5	ŭ		3
Toluene	U	5.00	ŭ	5.81	U	30.1	U	J	62.5	24.9	J	3
2-Hexanone	U	5.00	ŭ	5.81	U	30.1	16.6	3	62.5	U		3
Tetrachloroethene	U	5.00	ŭ	5.81	U	30.1	U		62.5	U		31
Chiorobenzene	U	5.00	Ŭ	5.81	U	30.1	U		62.5	U		3
1,1,1,2-Tetrachloroethane	U	5.00	ŭ	5.81	U	30.1	U U		125	Ū		6
Ethylbenzene	U	10.0	ŭ	11.6	U	60.2	U		62.5	U		3
p&m-Xylene	U	5.00	ŭ	5.81	U	30.1	U		62.5	U		3
o-Xylene	U	5.00	Ŭ	5.81	U	30.1	U		62.5	U		3
Styrene	U	5.00	Ŭ	5.81	U	30.1	U		62.5	υ		3
Isopropylbenzene	U U	5.00	Ū	5.81	U.	30.1 30.1	U		62.5	U		3
1,1,2,2-Tetrachloroethane	U	5.00	Ū	5.81	U	30.1	Ŭ		62.5	U		3
1,2,3-Trichloropropane	U	5.00	U	5.81	U	30.1	ŭ		62.5	U		3
n-Propylbenzene	U	5.00	U	5.81	U	30.1	ŭ		62.5	U		3
Bromobenzene	Ŭ	5.00	U	5.81	U	30.1	Ŭ		62.5	U		3
1.3.5-Trimethylbenzene	ŭ	5.00	U	5.81	U U	30.1	Ū		62.5	U		3
2-Chlorotoluene	ŭ	5.00	U	5.81	U	30.1	Ŭ		62.5	U		3
4-Chlorotoluene	Ŭ	5.00	U	5.81	υ	30.1	U		62.5	U		3
tert-Butylbenzene	Ŭ	5.00	U	5.81	U	30.1	U		62.5	U		3 [.] 3
1,2,4-Trimethylbenzene	Ŭ	5.00	U	5.81	U	30.1	U		62.5	U		3
sec-Butylbenzene	Ŭ	5.00	U	5.81	Ŭ	30.1	U		62.5	U		3
p-Isopropyitoluene	U	5.00	U	5.81	Ŭ	30.1	U		62.5	U		3. 3
1,3-Dichlorobenzene	Ŭ	5.00	U	5.81	U	30.1	U		62.5	U		3
1,4-Dichlorobenzene	U	5.00	U	5.81	Ŭ	30.1	U		62.5	U		3
n-Butylbenzene	Ū	5.00	U	5.81	υ	30.1	U		62.5	U		
1,2-Dichlorobenzene	Ŭ	5.00	U	5.81	U	30.1	U		62.5	U		3
1.2-Dibromo-3-chioropropane	ŭ	5.00	U	5.81	U	30.1	U		62.5	U		3
1,2,4-Trichlorobenzene	Ŭ	5.00	U	5.81		30.1	U		62. 5	U		3
Hexachlorobutadiene	Ŭ	5.00	υ	5.81	U	30.1	Ū		62.5	U		31
Naphthalene	Ŭ	5.00	U	5.81	u	30.7	-					

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Method: REAC SOP 1807

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Sample No:	Soil Blank A	091200-4		-043	
Location:	1			2	
Dilution Factor	10			81	
Percent Solids					RL
	Result	RL	Result		ug/Kg
Analyte	µg/Kg	µg/Kg	μg/Kg		
	U	5.00	U		12.3
Dichlorodifluoromethane	υ	5.00	Ū		12.3
Chloromethane	U	5.00	υ		12.3
Vinyl Chloride	U	5.00	U		12.3
Bromomethane	Ŭ	5.00	U		12.3
Chloroethane	Ŭ	5.00	U		12.3
Trichlorofluoromethane	Ŭ	20.0	38.0	J	49.4
Acetone 1,1-Dichloroethene	Ŭ	5.00	5.95	J	12.3
Methylene Chloride	U	5.00	3.88	٤	12.3
Carbon Disulfide	U	5.00	8.40	J	12.3
Methyl-t-butyl Ether	U	5.00	U		12.3 12.3
trans-1,2-Dichloroethene	. U	5.00	U		12.3
1,1-Dichloroethane	U	5.00	U		12.3
2-Butanone	U	5,00	U U		12.3
2,2-Dichloropropane	U	5.00	6.59	J	12.3
cis-1,2-Dichloroethene	U	5.00 5.00	U.55		12.3
Chloroform	U	5.00	Ŭ		12.3
1,1-Dichloropropene	U	5.00	Ŭ		12.3
1,2-Dichloroethane	U 1.65 J		35.8	i	12.3
1,1,1-Trichloroethane	1.65 J U	5.00	U		12.3
Carbon Tetrachloride	U	5.00	U		12.3
Benzene	Ŭ	5.00	64.0	Ĺ	12.3
Trichloroethene	Ū	5.00	U		12.3
1,2-Dichloropropane Bromodichloromethane	ū	5.00	U		12.3
Dibromomethane	U	5.00	U		12.3
cis-1,3-Dichloropropene	U	5.00	U		12.3 12.3
trans-1,3-Dichloropropene	U	5.00	U		12.3
1,1,2-Trichloroethane	U	5.00	U U		12.3
1,3-Dichloropropane	U	5.00	υ		12.3
Dibromochloromethane	U	5.00 5.00	บ		12.3
1,2-Dibromoethane	U	5.00	บั		12.3
Bromoform	U	5.00	Ŭ		12.3
4-Methyl-2-pentanone	UU	5.00	บั		12.3
Toluene	U	5.00	ŭ		12.3
2-Hexanone	U	5.00	Ū		12.3
Tetrachloroethene	U U	5.00	Ū		-12.3
Chlorobenzene	Ŭ	5.00	U		12.3
1,1,1,2-Tetrachloroethane	Ŭ	5.00	U		12.3
Ethylbenzene	Ū	10.0	U		24.7
p&m-Xylene o-Xylene	U	5.00	U		12.3
Styrene	U	5.00	ย		12.3
Isopropyibenzene	U	5.00	U U		12.3
1.1.2,2-Tetrachloroethane	U	5.00	U		2,3
1,2,3-Trichloropropane	U	5,00 5,00	U		2.3
n-Propyibenzene	U	5.00	Ĵ		2.3
Bromobenzene	U	5.00	Ĵ		2.3
1,3,5-Trimethylbenzene	U U	5.00	Ĵ		2.3
2-Chlorotoluene	U	5.00	ม้		2.3
4-Chlorotoluene	U	5.00	iu i		12.3
tert-Butylbenzene	U	5.00	v		12.3
1,2,4-Trimethylbenzene	U	5.00	ŵ		12.3
sec-Butylbenzene	U	5.00	Ŵ		12.3
p-Isopropyitoluene	U	5,00	ų		1,2.3
1,3-Dichlorobenzene	U	5,00	ų.		12.3
1,4-Dichlorobenzene	U	5.00	Ú.		12.3
n-Butylbenzene	υ	5.00	L,		1.2.3
1,2-Dichlorobenzene	Ŭ	5.00	L,		1:2.3
1,2-Dibromo-3-chloropropane	Ŭ	5.00	L,		1:3
1,2,4-Trichlorobenzene	ŭ	5.00	Li,		1: 3
Hexachlorobutadiene	υ	5.00	Uį.		12.3
Naphthalene 1,2,3-Trichlorobenzene	ŭ	5.00	L),		12.3
	-				

Method: REAC SOP 1807

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Sample No:	Soil Blank	A 091306-2	A 04		
Sample No: Location:			SB-03		
Dilution Factor		1	8		
Percent Solids	1	00	0.	,	
		RL	Result	RL	
	Result	µg/Kg	µg/Kg	μg/Kg	
Analyte	µg/Kg				
	υ	5.00	υ	11.8	
Dichlorodifluoromethane	Ŭ	5.00	U	11.8	
Chioromethane	Ũ	5.00	U	11.8	
Vinyt Chloride	U	5.00	U	11.8	
Bromomethana	U	5.00	U	11.8 11.8	
Chloroethane Trichlorofluoromethane	U	5.00	U	47.1	
Acetone	U	20.0	U U	11.8	
1,1-Dichloroethene	U	5,00 5,00	υ	11.8	
Methylene Chloride	U	5.00	Ŭ	11.8	
Carbon Disulfide	U	5.00	ŭ	11.8	
Methyl-t-butyl Ether	U	5.00	Ŭ	11.8	
trans-1,2-Dichloroethene	U U	5.00	Ū	11.8	
1,1-Dichloroethane	Ŭ	5.00	υ	11.8	
2-Butanone	Ŭ	5.00	υ	11.8	
2-Dichloropropane	Ŭ	5.00	U	11.8	
cis-1,2-Dichloroethene	Ŭ	5.00	U	11.8 11.8	
Chloroform 1,1-Dichloropropene	U	5.00	U	11.8	
1,2-Dichloroethane	U	5.00	U 80.3	11.8	
1.1.1-Trichloroethene		J 5.00	80.3 U	11.8	
Carbon Tetrachloride	U	5.00 5.00	Ŭ	11.8	
Benzene	U U	5.00	Ŭ	11.8	
Trichloroethene	U U	5.00	Ū	11.8	
1,2-Dichloropropane	Ŭ	5.00	U	11.8	
Bromodichloromethane	Ŭ	5.00	U	11.8	
Dibromomethane	ũ	5.00	U	11.8 11.8	
cis-1,3-Dichloropropene trans-1,3-Dichloropropene	U	5.00	U	11.8	
1,1,2-Trichloroethane	U	5 00	U U	11.8	
1,3-Dichloropropane	U	5.00	υ	11.8	
Dibromochloromethane	U	5.00 5.00	Ŭ	118	
1,2-Dibromoethane	U U	5.00	ŭ	11.8	
Bromoform	U	5.00	Ū	11.8	
4-Methyl-2-pentanone	υ	5.00	U	11.8	
Toluene	Ŭ	5.00	U	11.8	
2-Hexanone	Ŭ	5.00	U	11.8	
Tetrachioroeihene Chiorobenzene	U	5.00	U	11.8 11.8	
1.1,1,2-Tetrachioroethane	U	5.00	UUU	11.8	
Ethylbenzene	U	5.00	U	23.5	
p&m-Xylene	U	10.0 5.00	Ŭ	11.8	
p-Xylene	U	5.00	Ŭ	11.8	
Styrene	U	5.00	ŭ	11.8	
sopropylbenzene	U U	5.00	Ū	11.8	
1,2.2-Tetrachloroethane	U	5.00	U	11.8	
1,2,3-Trichloropropane	Ŭ	5.00	U	11.8	
n-Propylbenzene	Ŭ	5.00	U	11.8 11.8	
Bromobenzene 1,3,5-Trimelhylbenzene	U	5 00	U	118	
2-Chlorotoluene	U	5.00	U U	11.8	
4-Chlorotoluene	U	5.00	U	11.8	
tert-Butyibenzene	U	5.00 5.00	U	11.8	
1,2,4-Trimethylbenzene	U	5.00	Ŭ	11.8	
sec-Butylbenzene	U U	5 00	Ū	118	
p-isopropyitoluene	U	5.00	U .	11.8	
1.3-Dichlorobenzene	U	5.00	U	118	
1.4-Dichlorobenzene	U	5.00	U	11.8	
n-Butylbenzene	Ŭ	5 00	U	118	
1.2-Dichlorobenzene	Ŭ	5 00	U	118	
1,2-Dibromo-3-chloropropane	Ŭ	5.00	U	118	
A 1 A Techioropeoperate			U	11.5	
	U	5 00			
1,2,4 Trichlorobenzene Hexachlorobutadiene Naphthalene	u u	5.00 5.00 5.00	U U	11.8	

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Method: REAC SOP 1807 A 15166 SB-050 19.5' A 15180 SB-049 21' 10 Soil Blank A 091506-2 Sample No: Location: 1 Dilution Factor ;79 100 Percent Solids

Dilution Factor	10	0		;79			90						
Percent Solids		•							Result		RL	Result	RL
	Result	RL	Result		RL	Result		RL	µg/Kg		µg/Kg	µg/Kg	µg/Kg
	µg/Kg	µg/Kg	µg/Kg		µg/Kg	µg/Kg		µg/Kg	Pyrky				
Analyte	29/19							E 81	υ		12.2	U	6.17
	U	5.00	U		63,3	U		5.81 5.81	ŭ		12.2	U	6.17
Dichlorodifluoromethane	ŭ	5 00	U		63.3	U		5.81	ŭ		12.2	U	6.17
Chloromethane	ŭ	5.00	U		63.3	U		5.81	ŭ		12.2	U	6.17
Vinyl Chlonde	Ŭ	5.00	U		63.3	U		5.81	Ŭ		12.2	U	6.17
Bromomelhane	Ŭ	5.00	U		63.3	U		5,81	Ŭ		12.2	U	6.17
Chloroethane	Ū	5.00	U		63.3	U	J	23.3	Ū		48.8	U	24.7
Trichlorofluoromethane	Ū	20.0	38.1	μ	253	8.02	J	5.81	3.41	J	12.2	U	6.17
Acelone	U	5.00	22.3	ji -	63.3	U		5.81	U		12.2	U	6.17
1,1-Dichloroethene	U	5.00	U		63.3	U		5.81	Ū		12.2	υ	6.17
Methylene Chloride	U	5.00	U		63.3	U U		5 81	U		12.2	U	6.17
Carbon Disulfide	U	5.00	U		63.3	Ŭ		5.81	υ		12.2	U	6.17
Methyl-t-bulyl Ether	U	5.00	U		63.3	Ŭ		5.81	U		12.2	U	6.17
trans-1,2-Dichloroethene	U	5.00	35.2	•	63.3	U		5.81	Ū		12.2	U	6.17
1,1-Dichloroethane	U	5.00	U		63.3	Ŭ		5.81	υ		12.2	υ	6.17
2-Butanone	U	5.00	U		63.3	ŭ		5.81	29.8		12.2	U	6.17
2.2-Dichloropropane	U	5.00	U		63.3	Ŭ		5.81	U		12.2	U	6.17
cis-1,2-Dichloroethene	U	5.00	U		63.3	ŭ		5.81	υ		12.2	U	6.17
Chloroform	U	5,00	U		63.3	ŭ		5.81	U		12.2	U	6.17
1,1-Dichloropropene	U	5.00	U		633	Ŭ		5.81	55.3		12.2	U	6.17
1,2-Dichloroethane 1,1,1-Trichloroethane	2.36		272		63.3 63.3	Ŭ		5.81	U		12.2	U	6.17
Carbon Tetrachloride	U	5.00	U		63.3	ŭ		5.81	U		12.2	U	6.17 6.17
	U	5.00	U		63.3	7.73		5.81	38.2		12.2	9.42	6.17
Benzene Trichloroethene	U	5.00	867		63.3	U		5.81	υ		12.2	U	6.17
1,2-Dichloropropane	U	5.00	U		63.3	ŭ		5.81	U		12.2	U	6,17
Bromodichloromethane	ប	5.00	U		63 3	ū		5.81	U		122	U	6.17
Dibromomethane	U	5.00	U		63.3	Ū		5 81	U		12.2	U U	6.17
cis-1.3-Dichloropropene	U	5.00	U U		63.3	U		5.81	U		12.2	U	6.17
trans-1,3-Dichloropropene	U	5.00	U		63 3	U		5.81	U		12.2	Ŭ	6.17
1,1,2-Trichloroethane	υ	5 00	Ŭ		63.3	υ		5.81	U		12.2	Ŭ	6.17
1.3-Dichloropropane	U	5.00	ŭ		63.3	U		5.81	U		12.2	Ŭ	6.17
Dibromochloromethane	U	5.00	Ŭ		63.3	υ		5.81	U		12.2	ŭ	6,17
1,2-Dibromoethane	U	5.00 5.00	Ŭ		63.3	υ		5.81	U		12.2 12.2	Ŭ	6.17
Bromoform	U	5.00	Ŭ		63.3	U		5.81	U		12.2	ŭ	6.17
4-Methyl-2-pentanone	U	5.00	Ŭ		63. 3	υ		5.81	U		12.2	Ŭ	6.17
Toluene	U	5.00	Ŭ		63.3	υ		5.81	U		12.2	Ŭ	6.17
2-Hexanone	U	5.00	36.3	J	63.3	U		5.81	U		12.2	ŭ	6.17
Tetrachloroethene	U	5.00	U		63.3	U		5 81	UU		12.2	Ū	6.17
Chlorobenzene	U U	5.00	U		63.3	U		5.81	U		12.2	Ū	6,17
1,1,1,2-Tetrachloroethane	U	5 00	U		63.3	U		5.81	บ		24.4	U	12.3
Ethylbenzene	υ	10.0	U		127	U		11.6	Ŭ		12.2	U	6,17
p&m-Xylene	Ŭ	5.00	υ		63.3	U		5.81	Ŭ		12.2	U	6.17
o-Xylene	Ŭ	5.00	U		63,3	U		5.81 5.81	Ŭ		12.2	U	6.17
Styrene	υ	5 00	U		63.3	U		5.81	Ŭ		12.2	U	6.17
Isopropylbenzene	Ŭ	5 00	U		63 3	U		5 81	Ŭ		12 Z	U	6.17
1,1,2,2-Tetrachioroethane	Ŭ	5.00	υ		63.3	U		5.81	Ū		12.2	U	6.17
1.2.3-Trichloropropane	Ū	5.00	U		63.3	U		5 81	Ū		12.2	U	6.17
n-Propyibenzene	Ū	5 00	U		63.3	U		5.81	Ū		12.2	U	6.17
Bromobenzene	Ū	5 00	υ		63.3	U		5.81	Ū		12.2	U	6.17
1.3,5-Trimethylbenzene	Ū	5.00	U		63.3	U		5.81	Ū		12 Z	υ	6.17
2-Chlorololuene	Ū	5 00	U		63 3	U		5 81	ŭ		12 2	υ	6.17
4-Chlorololuene	Ū	5.00	U		63.3	0		5.81	Ū		12.2	U	6.17
tert-Bulylbenzene	Ū	5.00	U		63.3	U		5.81	Ű		12.2	U	6.17
1,2,4-Trimethylbenzene	Ū	5.00	U		63.3	U		5.81	Ū		12.2	U	6.17
sec-Butylbenzene	Ŭ	5 00	U		63.3	U		5.81	Ŭ		12.2	U	6.17
p-isopropyitoluene	ŭ	5.00	U		63.3	U			Ŭ		12.2	U	6.17
1,3-Dichlorobenzene	Ŭ	5 0 0	U		63.3	U		5.81	U		12.2	U	6.17
1,4-Dichlorobenzene	Ŭ	5 00	U		,63.3	U		581	U		12.2	U	6.17
n-Butylbenzene			υ		₁ 63 3	U		581 581	U		12.2	u	6.17
1,2-Dichlorobenzene		5 00	-						0				
	U	5 00 5 00	ΰ		63 3	U					122	U	6.17
1.2-Dibromo-3-chloropropane	U U				63 3 63 3	U		5 81	U		12 2 12 2	U U	6.17 6 17
1,2,4-Tachiorobenzene	ບ ບ ບ	5 00 5 00	υ		•	U U		581 581	ນ ບ		122	U	
1,2,4-Trichlorobenzene Hexachlorobutadiene	ບ ບ ບ	5 00 5 00 5 00	U .U		63 3			5 8 1 5 8 1 5 3 1	ນ ບ ບ		122 122	u U	6 17
1,2,4-Tachiorobenzene	ບ ບ ບ	5 00 5 00	ນ .ບ ບ		63 3 53 3	U U		581 581	ນ ບ		122	U	617 617

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15161

SB053-19

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15153 SB055-19

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Nethod: REAC SOP 1807 Sample No:	Soil Blank	A 091506-2	151 SB0 5		SB05		SB056	165 5-19.5' 1	S8053	0
ocation	1	1	1			6	8	1	8	0
Dilution Factor		00	8	1	0	0				
Percent Solids				~	Result	RL	Result	RL	Result	R
	Result	RL	Result	RL µg/Kg	µg/Kg	ug/Kg	µg/Kg	µg/Kg	µg/Kg	P9/
nalyte	µg/Kg	µg/Kg	µg/Kg	pq/rsg	Par a			6.17	U	62
		5.00	U	6.17	R	5.81	U	6.17	Ŭ	62
lichlorodifluoromethane	U	5.00	ŭ	6.17	R	5.81	U	6,17	Ŭ	6
Chloromethane	U	5.00	Ŭ	6.17	R	5.81	U	6,17	Ŭ	6
inyl Chloride	U	5.00	ũ	6.17	R	5.81	U U	6.17	U	6
Bromomethane	U U	5.00	U	6.17	R	5.81	U	6.17	U	6
Chloroethane	U	5.00	U	6.17	R	5.81	Ŭ	24.7	U	2
richlorofivoromethane	Ŭ	20.0	36.1	24.7	R	23.3 5.81	ŭ	6.17	53.9	3 6
Acelone	ŭ	5.00	U	6.17	R	5.81	7.25	6.17	U	6
1,1-Dichloroethene	Ŭ	5.00	U	6.17	R	5.81	U	6.17	U	6
Methylene Chloride	Ŭ	5.00	U	6.17	R	5.61	Ŭ	6.17	U	6
Carbon Disulfide	ŭ	5.00	U	6.17	R	5.81	U	6.17	U	6
Methyl-t-butyl Ether	ŭ	5.00	U	6.17	R	5,81	U	6.17	16. 3	J 6
rans-1,2-Dichloroethene	ŭ	5.00	U	6.17	R	5.81	U	6.17	U	6
1.1-Dichloroethane	ŭ	5.00	0.01	J 6.17	R	5.81	U	6.17	U	6
2-Butanone	ũ	5.00	U	6.17 6.17	R	5.81	U	6.17	U	6
2,2-Dichloropropane	U	5.00	U	6.17	R	5.81	U	6.17	U	6
cis-1,2-Dichloroethene	U	5.00	U	6.17	R	5.81	U	6.17	UU	6
Chloroform	U	5.00	U	6.17	R	5.81	U	6.17	1340	6
1.1-Dichloropropene 1.2-Dichloroethane	U	5.00	U	6.17	R	5.81		J 6.17	1340 U	6
1,1,1.1-Trichioroethane	2 36	J 5.00	UU	6.17	R	5.81	U	6.17	U	6
Carbon Tetrachionde	U	5.00	U	6,17	R	5.81	U	6.17 6.17	28.1	J 6
Benzene	U	5.00	29.9	6.17	4.37	J 5.81	122	6.17	U	6
Trichloroethene	U	5.00 5.00	U	6.17	R	5.81	U U	6.17	ũ	6
1 2-Dichloropropane	U	5.00	Ŭ	6.17	R	5.81	u	6.17	U	6
Bromodichloromethane	U U	5.00	U	6.17	R	5.81	U	6.17	U	6
Dibromomethane	Ű	5.00	U	6.17	R	5.81 5.81	ŭ	6 17	U	6
cis-1,3-Dichloropropene	U	5.00	U	6.17	R	5.81	ū	6 17	U	6
trans-1,3-Dichloropropene	Ŭ	5.00	U	6.17	R	5.81	Ū	6.17	U	6
1.1.2-Trichloroethane	ŭ	5.00	U	6.17	R	5.81	Ŭ	6.17	U	6
1.3-Dichloropropane	Ū	5.00	U	6.17	R	5.81	U	6.17	U	6
Dibromochloromethane	U	5.00	U	6.17	R	5.81	U	6 17	U	6
1,2-Dibromoethane	U	5.00	U	6.17 6.17	R	5.81	U	6.17	U	6
Bromotorm	U	5 00	U	6.17	R	5.81	U	6.17	U	6
4-Methyl-2-pentanone	U	5.00	U	6.17	R	5 81	U	6.17	U	6
Toluene 2-Hexanone	U	5.00	UU	6 17	R	5.81	U	6.17	U	6
Tetrachloroethene	U	5.00	U	6.17	R	5.81	U	6.17	Ŭ	6
Chiorobenzene	U	5 00	U	6.17	R	5.81	U	6.17 6.17	Ŭ	6
1.1.1.2.Teirachioroethane	υ	5.00	U U	6.17	R	5.81	U	12.3	ŭ	1
Elhylbenzene	U	5 00	υ.	12.3	R	11.6	U	6.17	ŭ	6
p&m-Xylene	U	10.0 5.00	Ū.	6.17	R	5.81	U	6.17	ŭ	6
o-Xylene	U	5.00	ŭ	6.17	R	5.81	u U	6.17	u	6
Styrene	U U	5.00	Ū	6.17	R	5.81	U	6.17	U	6
Isopropyibenzene	Ŭ	5,00	u	6.17	R	5.81 5.81	ŭ	6.17	U	6
1,1,2,2-Tetrachloroethane	Ŭ	5.00	U	6.17	R	5.81	ŭ	6.17	U	6
1.2.3-Trichloropropane	Ŭ	5.00	U	6.17	R	581	ŭ	6.17	U	6
n-Propyibenzene	Ŭ	5.00	U	6.17	R R	5.81	U	6.17	u	6
Bromobenzene	Ŭ	5.00	U	û.17	R	5.81	U	6 17	U	6
1,3,5-Trimethylbenzene	Ū	5.00	U	6.17	R	5.81	U	6.17	U	6 6
2.Chlorotoluene	U	5 00	U	6.17	R	5.81	U	6.17	U	6
4-Chlorotoluene	U	5 00	U	6.17 6.17	R	5.81	U	6.17	U	6
tert-Butylbenzene	U	5.00	U	6.17	R	5.81	U	6.17	u 	6
1.2,4-Trimethylbenzene	U	5.00	U	6.17	R	5 81	U	6.17	U	5 6
sec-Butylbanzane	U	5.00	U	6.17	R	5 81	U	5.17	U	0 0
p-Isopropytoluene 1,3-Dichloroberizene	U	5 00	U	6.17	R	5 81	U	6 17	U	6
	U	5.00	U		R	5.81	U	6 17	U	
1.4-Dichicrobenzene	u	5.00	u	6 17	R	5 81	U	6.17	U	6 0
n-Butyiberizene	U	5.00	U	6.17 6.17	R	5 81	U	6.17	U	
1 2-Dichlorobenzene 1 2-Dibromo-3-chloroproparie	U.	5.00	U .	617 617	R	581	U	6 17	U	ā S
1 2.4 Trichorobenzene	U	5 00	U	617	R	581	U	6 17	U	с 6
1 2.4-Incrobutadiene	U	5 00	U	617	2	5 81	U	6 17	U	ы с,
	u	5.00	0	617	R	5 81	J	5 17	U U	.,
Naphthalene 1/2/3-Trict probenzene	U	5 00	υ	01/		-				rv23

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Method: REAC SOP 1807 Sample No	Soil Blank E	9 08250 6 -2	SB-0	131 01-0.8		04182 3-001-5' 1		04183 -001- 1		SB-0	184 01-12' 1
Location Dilution Factor	1			.1 ३4		94		84		\$	35
Percent Solida	10	0		* *			- "		RL	Result	RL
	Result	RL	Result	RL	Result	RL µg/kg	Result µg/kg		µg/kg	µg/kg	µg/kg
	µg/kg	µg/kg	µg/kg	hdyka	µg/kg	19143					5,88
Analyte				5.32	U	5.32	U		5.95	U	5.88
Dichlorodifluoromethane	U	5.00	U U	5.32	Ŭ	5.32	U		5,95	u u	5.88
Chloromethane	U	5.00 5.00	Ű	5.32	U	5.32	U		5,95 5,95	U	5.88
Vinyl Chloride	U	5.00	ŭ	5.32	U	5,32	U U		5,95	Ū	5.88
Bromomethane	U U	5.00	Ŭ	5 32	U	5.32 5.32	U		5.95	U	5,88
Chloroethane	U	5.00	U	5.32	U	21.3	9,99	J	23.8	167	23.5
Trichlorofluoromethane	Ū	20.0	U	21.3	U 930	5.32	1.75	J	5.95	1.72	j 5.88 5.88
Acetone	U	5.00	U	5.32 5.32	930 U	5 32	U		5.95	22.4	5.88
1.1-Dichloroethene Methylene Chloride	U	5.00	U	5.32	ŭ	5.32	U		5.95	U U	5.88
Carbon Disulfide	U	5.00	u u	5.32	U	5.32	U		5.95 5.95	Ŭ	5.88
Methyl-Loutyl Ether	U	5.00 5.00	ŭ	5.32	7 52	5.32	1.57	ز ز	5.95	10.8	5.88
Irans-1,2-Dichloroethene	u u	5.00	Ŭ	5.32	132	5.32 5.32	3.81 U		5.95	49.9	5.88
1,1-Dichloroethane	ŭ	5.00	U	5.32	U	5.32	ŭ		5.95	U	5.88
2-Butanone	Ŭ	5 00	U	5.32	U 528	53.2	147		5.95	767	58.8
2.2-Dichloropropane	Ŭ	5 00	3.97	J 5.32 5.32	5∡6 1,46	J 5.32	U		5.95	U	5.88 5.88
cis-1,2-Dichloroethene	U	5.00	U	5.32	U	5 32	U		5.95	U U	5.88
Chloroform 1,1-Dichloropropene	U	5.00	U U	5.32	Ū	5,32	U		5.95 5.95	783	5.88
1.2-Dichloroethane	U	5.00	176	5 32	403	53.2	81.4		5.95	Ű	5.88
1.1.1-Trichloroethane	U U	5.00	U	5 32	U	5.32 5.32	บ น		5.95	U	5.88
Carbon Tetrachloride	U	5 00	U	5.32	U 677	53.2	80.3		5.95	234	58 8
Benzene	ŭ	5 00	44.7	J 5.32	627 U	5.32	U		5.95	U	5 88 5 88
Trichloroethene	U	5 00	U	5 32 5 32	U	5.32	U		5 95	U	5.88
1.2-Dichloropropane Bromodichloromethane	U	5 00	U	5.32	ŭ	5.32	u		5.95	U U	5.88
Dibromomethane	U	5 00	U U	5.32	U	5 32	U		5.95 5.95	U	5.88
cis-1.3-Dichloropropene	U	5 00 5 00	ŭ	5.32	U	5 32	U		5.95	4 04	j 588
trans-1,3-Dichloropropene	U U	5.00	U	5 32	U	5.32 5.32	U U		5 95	÷	5.88
1,1,2-Trichloroethane	U	5.00	U	5 32	U	5.32	Ŭ		5.95	U	5.88
1,3-Dichloropropane	Ŭ	5 00	U	5.32	U U	5.32	U		5.95	U	5 80 5,88
Dibromochloromethane	U	5 00	U	5 32 5 32	Ŭ	5.32	U		5 95	U	5.88
Bromotorm	U	5 00	u u	5 32	Ū	5.32	U		5.95 5.95	U 674	5.68
4-Methyl-2-pentanone	U	5.00 5.00	Ŭ	5.32	3.05	j 5.32	3.46 U	1	5 95	U	5 88
Toluene	U U	5.00	U	5 32	U	5 32 5 32	U		5 95	U	5 86
2-Hexanone	Ű	5 00	U	5 32	724 U	5.32	Ū	•	5 9 5	U	5 88
Tetrachloroethene	Ū	5.00	U	5 32 5 32	U U	5.32	U		5 95	U	588 j 5.88
Chlorobenzene 1,1,1,2-Tetrachloroethane	U	5 00	UU	5.32	Ŭ	5.32	U		5.95	1.74 7 54	J 118
Ethylbenzene	U	5.00 10,0	U	10.6	U	10.6	U		11.9 5.95	4 53	j 5.88
p&m-Xylene	U	5 00	ŭ	5.32	U	5.32	U U		5.95	U	5 88
o-Xylene	U	5 00	U	5 32	U	5 32 5.32	Ŭ		5.95	U	5 88
Styrene	ŭ	5 00	U	5 32	U U	5.32	U		5 95	U	5.88 5.88
isopropyibenzene 1,1,2,2-Tetrachloroethane	U	5.00	U	5 32	Ŭ	5.32	U		5.95	U	5.88
1,2,3-Trichloropropane	U	5.00	U U	5.32	Ū	5.32	u		5 95	U U	5 88
n-Propyibenzene	u	5 00 5 00	U	5 32	U	5 32	U		5 95 5 95	U	5.88
Aromobenzene	U	5 00	Ŭ	5.32	U	5 32	U U		5 95	ŭ	5.88
1,3,5-Trimethylbenzene	U U	5 00	U	5 32	U	5 32	U		5 95	U	5 88
2-Chlorotoluene	U	5.00	L)	5 32	U	5 32 5 32	u		5.95	U	5 88
4-Chlorotoluene	U	5 00	U	5 32	U U	5 32	Ű		5 9 5	U	5.38
tert-Butylbenzene 1,2,4-Trimethylbenzene	Ŭ	5 00	U	(5 32	U U	5.32	U		5.95	U	588
1,2,4-Trimethylbenzene sec-Butylbenzene	U	5 00	U	5 32 5 32	υ	5 32	u		5 95	U	5.88 5.88
p-isopropyitoluene	U	5 00	U U	5.32	Ŭ	5 32	U		5 95	U U	85 2
1.3-Dichlorobenzene	U	5 00	U U	5 32	Ū	5 3 2	U		5 95	U	5 38
1,4-Dichlorobenzene	L.	5 CO 5 OO	ŭ	,i 32	U	5 32	U		5 9 5 5 95	J	5 88
n-Bulyibenzene	U	5 00	U	. 32	U	5 32	U		595	J	5 88
1 2-Dichlorobenzene	U.	5 00	J	: 32	U	5 32	บ บ		5 95	÷,	5 🕫 8
1.2-Dibromo-3-chioropropane	с С	5 00	J	± 32	U	5 32	U U		5 95	J	5 88
1.2.4-Trichlorobenzene	5	5 00	J	5 32	U	5 32	ŭ		5 95	د	5.88
Hexach.orobuladiene	L	5 00	· •	5 32	U	5 3 2 5 3 2	u		5 95	÷	5 38
Naphthaler.e	с С	5 00	0	5,32	ل.	7.5	5				

Method: REAC SOP 1807

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Sample No Location	Soil Bla	nk 8 082506-2			4185 001-15	s		04186 001-17.5'			04187 -001-20	1		4188 01-22.5'
Dilution Factor Percent Solids		1 100			1 83			1 82			1 83			1 82
Analyte	Result µg/kg	RL µg/kg	Resul µg/kg	ł	RL µg/kg	Resul µg/kg	t	RLµg/kg	Resu µg/kg		Ri µg/			RL µg/k
Dichlorodifluoromethane	U	5.0 0	U		6.02	U		8.10	U		6.0	2 U		6.10
Chioromethane	U	5.00	U		6.02	U		6.10	U		6.0	2 U		6.10
Vinyl Chloride	U	5.00	2.93		J 6.02	U		6.10	U		6.0	2 U		6.10
Bromomethane	U	5.00	U		6.02	U		6.10	U		6.0			6.10
Chioroethane	U	5.00	U		6.02	U		6.10	U		6.0			6.10
Trichlorofluoromethane	U	5.00	24.6		6.02	9.82		6.10	49.2		6 0			6.10
Acetone	U U	20.0 5.00	117 233		24.1 6.02	83.0 182		24.4 6.10	37.4 466		24. J 6.0			24.4 610
1,1-Dichloroethene Methylene Chloride	U	5.00	145		6.02	157		6,10	400		5 6.02			6,10
Carbon Disulfide	Ŭ	5.00	U		6.02	U, 3,		6.10			6.02			6.10
Methyl-I-butyl Ether	Ŭ	5.00	ŭ		6.02	ŭ		6,10	Ŭ		6.02			6.10
trans-1,2-Dichloroethene	Ŭ	5.00	ŭ		6.02	Ŭ		6.10	ŭ		6.02			6.10
1,1-Dichloroethane	Ŭ	5.00	56.4		6.02	27.9		6.10	12.2		6.02	-		6.10
2-Butanone	U	5.00	31.3		6.02	11.3		6.10	U		6.02	2 U		6.10
2,2-Dichloropropane	U	5.00	U		6.02	U		6.10	U		6.02	-		6.10
cis-1,2-Dichloroethene	U	5.00	1040		602	719		J 6.10	71.4		6.02			6.10
Chioroform	U	5.00	3.92	J		4.01		J 6.10	1.77		J 6.02			6.10
1,1-Dichloropropene	U	5.00	U		6.0 2	U		6.10	U		6.02	-		6.10
1,2-Dichloroethane	U	5.00	2.94	J		3.61		J 6.10	U		6.02		-	
1,1,1-Trichloroethane	U	5.00	2620		1200	5190		610	793		602	2550 3.99		610
Carbon Tetrachloride	U U	5.00 5.00	U 2.80	j,	6.02 6.02	U 3.45		6,10 J 6,10	U 2.39		6.02 J 6.02	5.80	L L	
Benzene Trichloroethene	U	5.00	12900	J	602	4230	•	610	2.39	•	602	8110	J	610
1,2-Dichloropropane	U	5.00	U		6.02	4230 U		6.10	2340 U		6.02	U 3,10		6.10
Bromodichloromethane	Ŭ	5.00	Ŭ		6.02	Ŭ		6.10	ŭ		6.02	ŭ		6.10
Dibromomethane	Ŭ	5.00	Ū		6.02	Ū		6.10	Ŭ		6.02	Ū		6.10
cis-1,3-Dichloropropene	Ū	5.00	Ū		6.02	Ū		6.10	ū		6.02	Ū		6.10
rans-1,3-Dichloropropene	υ	5.00	U		6.02	U		6.10	U		6.02	U		6.10
1,1,2-Trichloroethane	U	5.00	13.4		6.02	17.9		6.10	9.47		6.02	U		6.10
.3-Dichloropropane	U	5.00	U		6.02	U		6.10	U		6.02	U		6.10
Dibromochloromethane	U	5.0 0	U		6. 02	U		6.10	U		6.02	U		6.10
.2-Dibromoethane	U	5.00	U		6.02	U		6.10	U		6.02	U		6.10
Iromotorm	U	5.00	U		6.02	U		6.10	U		6.02	U		6.10
Methyl-2-peritanone	UU	5.00 5.00	7.53 259	J	6.02 602	U 313	J	6.10 6.10	U 321	J	6.02 6.02	U 63 4		6.10 610
oluene -Hexanone	U	5.00	23 3 U	J	6.02	U 313	J	6.10 6.10	J21	J	6.02	534 U		6.10
etrachioroethene	ŭ	5.00	ŭ		6.02	ŭ		6.10	Ŭ		6.02	1.65	J	6.10
hlorobenzene	Ŭ	5.00	Ŭ		6.02	Ŭ		6.10	Ŭ		6.02	U	·	6.10
1,1,2-Tetrachloroethane	U	5.00	U		6.02	Ū		6.10	U		6.02	Ū		6.10
thylbenzene	U	5.00	14.5		6.02	11.0		6.10	7.30		6.02	21.9		6.10
&m-Xylene	U	10.0	6 8 .7		12.0	57.5		12.2	41.1		12.0	109		12.2
Xylene	U	5.00	23.4		6.02	18.4		6.10	9.42		6.02	26.4		6.10
lyrene	U	5.00	U		6.02	U		6.10	U		6.02	U		6.10
opropylbenzene	U	5.00	U		6.0 2	U		6.10	U		6.02	U		6.10
1,2,2-Tetrachloroethane	U U	5.00 5.00	2.46 . U	J	6.02 6.02	3.33 ·	J	6.10	U U		6.02 6.02	4.56	J	6.10
2,3-Trichloropropane	U	5.00	U		6.02	U		6.10 6.10	U		6.02	U		6.10 6.10
Propylbenzene omobenzene	U	5.00	ŭ		6 02	Ŭ		6.10	Ŭ		6 02	U		6.10
3,5-Trimethylbenzene	Ŭ	5.00	Ŭ		в.0 2	ŭ		6.10	Ŭ		6 0 2	Ŭ		6.10
Chlorobluene	ũ	5.00	Ū		6.02	Ŭ		6.10	ũ		6 02	Ű		6.10
Chlorololuene	Ŭ	5.00	ú		6.02	Ū		6.10	Ū		6.02	Ū		6.10
t-Butyibenzene	υ	5.00	U		6.02	U		6.10	U		602	U		6.10
4-Trimethylbenzene	U	5.00	U		6 02	U		6.10	U		6.0 2	U		6.10
-Butylbenzene	U	5.00	U		6.02	U		6.10	U		6 0 2	U		6.10
sopropyltaluene	U	5.00	U		6.02	U		6.10	U		6 0 2	U		6.10
Dichlorobenzene	U	5.00	U		6.02	U		6.10	U		6.02	U		6.10
Dichlorobenzene	U	5 00	U			289 J			1.53 J		6 02	U		6 10
utyibenzene	U	5.00	U		6 02	u		6.10	U		6.0 2	U		6.10
Dichlorobenzene	U		96			20 0			11.4		6 0 2	0.15		6.10
Dibromo-3-chioropropane	U		U		6 02	U		6.10	U		6 J 2	U		6.10
4-Tnchlorobenzene	U		U		6 02	U		6 10	J		ā 02	U		ő.10
achlorobutadiene	U .		U		6 0 2	U		610	U		6 02	J		6.10
hthalene	U		U		6 0 2	5		610	U		oi 0 2	J		5 10
3-Trichlarobenzene	U	5 00	<u>ر</u>	1	6 O 2	J		6 10	5		5 O 2	U		6 10

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Method: REAC SOP 1807 Sample No	Soil Blank I	3 08260 6-2		(,4198 ¦,001-			04199			04200 001-2: 1			134 01-30' 1
Location Dilution Factor	1	1		, 1			1 85			41		i	35
Percent Solids	10	0		:78			00						
Percent done		-	Result		RL	Result		RL	Result		RL	Result	RL
	Result	<i>RL</i> µg/kg	µg/kg		ug/kg	µg/kg		µg/kg	µg/kg		µg/kg	µg/kg	µg/kg
Analyte	µg/kg	P9/Ng	Partia								12.2	U	5.88
	U	5.00	U		6.41	U		5.88	U U		12.2	ŭ	5.88
Dichlorodifluoromethane	ŭ	5.00	U		6.41	U		5.88 5.88	19.6		12.2	U	5.88
Chloromethane	Ŭ	5.00	U		6.41	U		5.68	U		12.2	U	5.88
Vinyl Chloride Bromomethane	U	5.00	U		6.41	U U		5.88	ŭ		12.2	U	5.88
Chloroethane	U	5.00	U		8.41 6.41	58.7		5.88	93.2		12.2	U	5.88
Trichlorofluoromethane	U	5.00	225		25.6	25.3		23.5	26.1	J	48.8	U	23.5 5.88
Acetone	U	20.0	110 693		256	978	J	5.88	510		122	26.0	5.88
1,1-Dichloroethene	U	5.00 5.00	186		6.41	14.1		5.88	U		12.2	U U	5.88
Methylene Chloride	U U	5.00	U		6.41	U		5.88	3.90	1	12.2 12.2	ŭ	5.88
Carbon Disulfide	Ŭ	5.00	Ŭ		6.41	υ		5.88	U U		12.2	ŭ	5.88
Methyl-t-bulyl Ether	Ŭ	5.00	υ		6.41	U		5.88	62.2		12.2	1.82	J 5.88
trans-1,2-Dichloroethene	ŭ	5 00	34.3		6.41	37.7		5.88 5.88	02.2		12.2	U	5.88
1,1-Dichloroethane	ŭ	5.00	9 2 9		6.41	3.24	3	5.88	Ŭ		12.2	U	5.88
2-Butanone 2.2-Dichloropropane	Ŭ	5.00	U		6.41	U 629	J	5.88	258		12.2	10.2	5.88
cis-1,2-Dichloroethene	υ	5.00	300		2 56 6.41	029 U		5.88	U		12.2	U	5.88
Chloroform	U	5.00	6.44		6.41	Ŭ		5.88	υ		12.2	U	5.88 5.88
1,1-Dichloropropene	U	5.00 5.00	U 5.72	J	6.41	ŭ		5.88	U		12.2	U	5.88
1,2-Dichloroethane	U	5.00	4040	•	256	768	j	5.88	776		122	93.9 U	5.88
1,1,1-Trichloroethane	U	5.00	2.68	L	6 4 1	U		5.88	U		12.2 12.2	ŭ	5.68
Carbon Tetrachloride	U U	5.00	9.53		6.41	υ		5.88	U 1790		122	165	5.68
Benzene	Ŭ	5.00	36000		1280	2190		588 5.88	U		12.2	U	5.88
Trichloroethene	ŭ	5.00	U		6.41	U		5.88	ŭ		12.2	U	5.88
1,2-Dichloropropane Bromodichloromethane	U	5.00	U		6.41	U U		5.88	Ũ		12.2	U	5.88
Dibromomethane	U	5.00	U		6.41 6.41	ŭ		5.88	U		12.2	U	5.88
cis-1,3-Dichloropropene	U	5.00	U U		6.41	Ŭ		5.88	U		12.2	U	5.88 5.88
trans-1,3-Dichloropropene	U	5.00 5.00	Ŭ		6.41	U		5.88	U		12.2	UU	5.88
1,1,2-Trichloroethane	UU	5 00	ŭ		6.41	U		5.88	U		12 2 12.2	Ŭ	5.88
1,3-Dichloropropane	U U	5.00	U		6.41	U		5.88	U U		12.2	ŭ	5 88
Dibromochloromethane	ŭ	5.00	U		6.41	U		5.88 5.88	Ŭ		12.2	Ŭ	5.88
1.2-Dibromoethane	Ŭ	5.00	U		6,41	U		5.88	ŭ		12.2	U	5.86
Bromoform 4-Methyl-2-pentanone	U	5.00	U		6.41 1280	U 383	L	5.88	59.8		12.2	4.58	J 5.88
Toluene	U.	5.00	4920		6.41	U	-	5 88	U		12 2	U	5,88 5,88
Z-Hexanone	U	5.00 5.00	U 21.0		6.41	6.20		5.88	5.85	L	12.2	UU	5,88
Tetrachloroethene	U	5.00	3.35	L	6.41	U		5.88	U		12.2 12.2	U	5.88
Chlorobenzene	U U	5.00	U		6.41	U		5.88	U		12.2	ŭ	5 88
1,1,1,2-Tetrachloroethane	Ŭ	5.00	211		6.41	20.6		5,88 11,8	U 5 22	L	24.4	Ŭ	11.8
Ethylbenzene	ŭ	10.0	2200		256	86.7		5.88	J.		12.2	U	5.88
p&m-Xylene	U	5.00	208		6.41	18.7 U		5.88	ũ		12.2	U	5.88
o-Xylene Styrene	U	5.00	U 171	j	6.41 6.41	U		5.88	U		12.2	U	5.88
sopropyibenzene	U	5.00	1.71 8 58	5	6.41	ŭ		5.88	U		12.2	U U	5.88 5.88
1,1,2,2-Tetrachloroethane	U	5.00	U 0		6.41	U		5.88	U		12.2	U	5.88
1.2,3-Trichloropropane	UU	5.00	ŭ		6.41	υ		5.88	U		12.2 12.2	U	5 86
n-Propylbenzene	U	5 00	Ŭ		6 41	U		5.88	U		12.2	Ŭ	5.88
Bromobenzene	U	5.00	3.97	L	6.41	U		5.88	U U		12.2	Ŭ	5.88
1,3,5- frimethylbenzene	Ŭ	5.00	U		6.41	U		5.88 5.88	U		12.2	U	5.88
2-Chlorotoluene	Ŭ	5.00	u		6.41	U		5.88	ŭ		12 2	U	5.88
4-Chlorotoluene tert-Butyibenzene	U	5.00	U		(6.41	U U		5 88	Ū		12.2	U	5 88
1,2,4-Trimethylbenzene	U	5.00	9.05		26.41 16.41	U		5.88	Ū		122	U	5.88
sec-Butylbenzene	U	5.00	U		6.41 5.41	U		5 88	Ū		122	U	5.88
p-isopropyitoluene	U	5.00	U		;a.41 ;5,41	Ŭ		5 88	U		122	U	588
1.3-Dichlorobenzene	U	5 00	U 635	j	j3.41	8 45		5.88	2 9 4		122		1 5.8 8
1.4-Dichlorobenzene	U	5.00	6;3 5 ∪	5	5.41	U		588	U		12.2	U (20	588 588
n-Bulyibenzene	u	5 00 5,00	3;35		6.41	41 1		5 3 8	703		12.2) 588 588
1.2-Dichlorobenzene	U	5.00	ر درد ار		£.41	U		5 38	U		122	U L	588
1.2-Dibromo-3-chloropropane	U	5.00	ر د		E.41	U		5 88	116	ر	12.2	U U	5.88
1.2.4-Trichloroberizene	U	5 00	Ū.		£ 41	U		5 88	U		12.2	U 	5 88
Hexachlorobutadiene	U U	5 30	tu		6.41	U		5 89	U		122 122	L. U	5 88
Naphthalene	0	5.55				U		5.38	L		111	<u> </u>	

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Method: REAC SOP 1807 19157 19156 19155 SB-002-15 19154 Soil Blank B 082606-2 SB-002-10'dup SB-002-10 SB-002-5 Sample No 1 1 1 82 1 Location 77 1 81 Dilution Factor 93 100 RL Percent Solids Result RL Result RL Result RL µg/kg RL Result µg/kg uq/kg Result ug/kg hdyrd µg/kg µg/kg µg/kg µg/kg µg/kg 6.10 υ Analyte 6.49 υ 6.17 u 6,10 5 38 υ 5.00 υ υ 6.49 U 6.17 υ 6.10 Dichlorodifluoromethane 5.38 υ υ 5.00 υ 6 49 U υ 6.17 6.10 5.38 Chloromethane υ υ 5.00 6.49 υ U 6.17 υ Vinyl Chloride 5,38 6.10 u υ 5.00 6.49 υ υ 6.17 U 5,38 6.10 Bromomelhane υ U 6.49 5.00 U 6.17 u 5.38 u 24.4 Chloroethane U υ 26.0 5.00 υ 24.7 U Trichlorofluoromethane 21.5 11 J 6.10 1.56 υ 6.49 20.0 U υ 6.17 U 6.10 5.38 Acetone U 6.49 U 5.00 υ U 6.17 υ 6.10 5,38 1.1-Dichioroethene υ 6.49 u 5.00 υ υ 6.17 Methylene Chloride υ 6.10 5.38 υ 6.49 U. 5.00 υ υ 6.17 5.38 υ 6.10 Carbon Disulfide U υ 6.49 5.00 υ υ 6.17 υ 6.10 Methyl-t-butyl Ether 5.38 2.18 J 6,49 13.0 5 00 1.95 đ u 6.17 Irans-1,2-Dichloroethene 3.00 5 38 J 6.10 υ 3.61 J 6.49 5.00 U U 6.17 1,1-Dichloroethane υ 6.10 5.38 u υ 6.49 5.00 υ υ 6.17 υ 6.10 5 38 .) 537 2-Bulanone U 6.49 5.00 143 u 6 17 204 6.10 2.2-Dichloropropane 26.9 υ 204 6.49 5.00 υ U 6.17 υ 6.10 cis-1,2-Dichloroethene 5.38 υ υ 6.49 5.00 U υ 6.17 υ 6.10 Chioroform 5 38 U υ 6.49 5.00 υ 6.17 υ υ 6.10 1.1-Dichloropropene 5.38 94.4 υ 6.49 5.00 147 υ 105 6.17 6.10 1.2-Dichloroethane 5 38 υ 34.7 6.49 5.00 υ υ 6.17 1.1.1-Trichloroethane υ 6.10 5 38 υ 6.49 υ 5.00 υ υ 6.17 Carbon Tetrachloride υ 6.10 5 38 152 υ 6.49 5.00 144 U 6.17 112 6.10 J 5.38 υ Benzene 59.8 6.49 5.00 υ υ 6.17 υ 6,10 Trichloroethene 5 38 U υ 6.49 5.00 υ U 6.17 υ 6.10 1,2-Dichloropropane 5.38 υ υ 6.49 5.00 υ U 6.17 Bromodichloromethane υ 6.10 5.38 U υ 6.49 5.00 υ υ υ 6.17 6.10 Dibromomethane 5.38 U 6.49 υ 5 00 υ U 6.17 6.10 cis-1,3-Dichloropropene υ U 5.38 6.49 υ 5.00 υ υ 6.17 trans-1,3-Dichloropropene υ 6.10 5.36 υ U 6.49 U 5.00 6.17 υ 6.10 υ 1,1.2-Trichloroethane 5.38 U υ 6,49 5.00 υ υ 6.17 υ 6.10 1.3-Dichloropropane 5.38 u υ 6,49 5.00 υ u 6.17 6.10 Dibromochloromethane υ 5.38 υ υ 6.49 5.00 υ υ 6.17 1,2-Dibromoethane υ 6.10 5,38 υ υ 6.49 5 00 υ U 6.17 υ 6.10 5 38 υ Bromoform υ 6.49 5 00 υ υ 6.17 υ 6.10 4-Methyl-2-pentanone 5.38 υ υ 6.49 5 00 U υ 6.17 υ 6.10 5.38 Toluene U 6.49 υ υ 5.00 υ 6.17 υ 6,10 5.38 2-Hexanone υ 6.49 U 5 00 υ υ 5.17 Tetrachioroethene U 6.10 5 38 υ U 6,49 5.00 6.17 υ U υ 6.10 Chlorobenzene 5.38 υ υ 6.49 υ 5.00 υ 6.17 1.1.1.2-Tetrachloroethane υ 12.2 5 38 υ U 13.0 5.00 υ u 123 U 6.10 10.8 υ Ethylbenzene 10.0 υ 6.49 υ u υ 6.17 6.10 p&m-Xylene 5.38 υ 6.49 U 5 00 υ 6.17 υ υ 6 10 5.38 υ o-Xylene U 6.49 5.00 υ Ū 6.17 6.10 υ Styrene 5.38 U 6 49 υ 5 00 υ υ 6.17 υ 6.10 Isopropylbenzene 5.38 υ 6.49 υ υ 5.00 6,17 U 6.10 1,1,2,2-Tetrachloroethane υ 5.38 υ υ 6.49 5 00 U υ 6.17 υ 6 10 5.38 1.2.3-Trichloropropane υ U 6 4 9 υ 5.00 6 17 U υ 6.10 n-Propylbenzene 5 38 υ υ 6.49 5.00 υ 6.17 υ υ 6.10 5.38 Bromobenzene U υ 6.49 5 00 U υ 6.17 υ 6.10 1,3,5-Trimethylbenzene 5.36 υ υ 6.49 5.00 υ 6,17 U υ 6.10 2-Chiorotoluene 5.38 υ υ 6 4 9 5 00 u υ 6.17 U 6,10 5 38 4-Chiorotoiuene υ U 6.49 U 5.00 U 6.17 υ 6.10 5.38 tert-Butylbenzene U 6.49 U 5.00 υ U 6.17 υ 1,2,4-Trimethylbenzene 6.10 5.38 U υ 6.49 5.00 U υ ō.17 υ sec-Butylbenzene 5.38 6.10 U U 5 00 6.49 U U 6.17 p-Isopropyitoluene 5.38 U 6.10 υ 5.00 U 6.49 U 6,17 11 5.38 U 6.10-1.3-Dichlorobenzene 5 00 1J ô.49 u υ 6.17 0 1.4-Dichlorobenzene 5 38 U 6.10 υ 5 00 U 6 4 9 υ u 6.17 υ n-Butylbenzene 5.38 a.10 υ U ô 49 5 00 υ U 6.17 1.2-Dichiorobenzene υ 6 10 5 38 υ υ 6 49 5 00 U U 6 17 1,2-Dibromo-3-chloropropane υ 5 38 5 10 5 00 υ 6 49 J U 6 17 U 1,2,4-Trichlorobenzene U 5.38 ō 10 5 00 U 6 4 9 J U 617 u 5.38 U 610 Hexachicrobuladier e 649 u 5 00 U U 6.17 J υ 5 38 Naphthalene

N 2330

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1.2.3-Techlorobenzer.e

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Method: REAC SOP 1807

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vlethod: REAC SOP 1807 Sample No	Soil Blank 8	082606-3)158 402-20'		SB-0	159 03-10		19160 -003-1 1	5	
ocation	1			1			1		83		
Dilution Factor				; 83		i	87		63		
Percent Solids	10	0		•						PI	
		C (Result		RL	Result	RL	Result		RL	
	Result	RL			ug/kg	µg/kg	µg/kg	µg/kg		µg/kg	
A - shda	µg/kg	µg/kg	µg∕kg	······							
Analyte					6.02	U	5.75	U		6.02	
Dichlorodilluoromethane	U	5.00	U		6.02	Ŭ	5.75	U		6.02	
	U	5.00	U			Ŭ	5.75	U		6.02	
Chioromethane	U	5.00	3.19	-	6.02	U	5.75	U		6.02	
Vinyl Chloride	Ū	5.00	U		6.02	U	5.75	U		6.02	
Bromomethane	Ū	5.00	U		6.02		5.75	Ū		6.02	
Chioroethane	ŭ	5.00	U		6.02	U	23.0	Ū		24.1	
Trichlorofluoromethane	U	20.0	U		24.1	U	23.0 5.7 5	3.08	J	6.02	
Acetone	Ŭ	5.00	19.3		6.02	U		Ű		6.02	
1,1-Dichloroethene	_	5.00	u		6.02	U	5.75	ŭ		6.02	
Methylene Chloride	U	5.00	U		6.02	U	5.75	υ		6.02	
Carbon Disuifide	U	5.00	Ū		6.02	U	5.75			6.02	
Methyl-Loutyl Ether	U	5.00	2.23		6.02	U	5.75	U	L	6.02	
trans-1,2-Dichloroethene	U	5.00	21.6		6.02	U	5.75	2.06	1	6.02	
1.1-Dichloroethane	U		21.0 U		6.02	U	5.75	U		6.02	
2-Butanone	U	5.00	U		6.02	Ū	5.7 5	U			
2-Butanone 2.2-Dichloropropane	U	5.00			30.1	7.66	5.7 5	8.70		6.02	
cis-1,2-Dichloroethene	U	5.00	438		6.02	U	5.75	U		6.02	
	U	5.00	U		6.02	ŭ	5.75	U		6.02	
Chloroform	U	5.00	U		6.02	Ū.	5.75	U		6.02	
1.1-Dichloropropene	U	5.00	U		6.02	38.7	5.75	73.1		6.02	
1,2-Dichloroethane	U	5.00	53.1		6.02	U	5.75	U		6.02	
1.1.1-Trichloroethane	U	5.00	U		6.02 6.02	Ŭ	5.75	U		6.02	
Carbon Tetrachlonde	Ū	5.00	U		30.1	19.8	5.75	72.2		6.02	
Benzene	Ū	5.00	273			, <u>9</u> .0	5.75	υ		6.02	
Trichloroethene	ŭ	5.00	U		6.02	Ŭ	5.75	U		6.02	
2-Dichloropropane	Ū	5.00	U		6.02	Ŭ	5.75	U		6.02	
Bromodichloromethane	ŭ	5.00	U		6.02	U	5.75	υ		6.02	
Dibromomethane	ŭ	5.00	υ		6.02	U	5.75	U		6.02	
is-1,3-Dichloropropene	ŭ	5.00	U		6.02	U	5.75	U		6.02	
rans-1,3-Oichloropropene	Ű	5.00	U		6.02		5.75	Ū		6 02	
1,1,2-Trichloroethane	Ŭ	5.00	U		6.02	U	5.75	Ū		6.02	
1,3-Dichloropropane	Ŭ	5.00	U		6.02	U	5.75	Ŭ		8.02	
Dibromochloromethane	Ŭ	5.00	U		6.02	U	5.75	Ŭ		6.02	
1.2-Dibromoethane	ŭ	5.00	U		6.02	U	5.75	Ŭ		6.02	
Bromoform	U	5.00	U		6.02	U	5.75	1.71	J	6.02	
I-Methyl-2-pentanone	U	5.00	3.05	J	6.02	U	5.75	U	-	6.02	
Foluene	U	5.00	U		6.02	U	5.75	Ŭ		6.02	
2-Hexanone	U	5 00	U		6.02	U	5.75	ŭ		6 02	
Fetrachioroethene	U	5.00	u		6.02	U	5.75	υ		6.02	
Chlorobenzene	υ	5.00	U		6.02	U	5.75	Ŭ		6.02	
1,1,1.2-Tetrachloroethane	U	5.00	U		6.02	U		υ		12.0	
Ethylbenzene	U	10.0	4.25	L	12.0	U	11.5	υ		6.02	
p&m-Xylene	U	5.00	u		6.02	υ	5.75	Ű		6.02	
-Xylene	U	5.00	U		6.02	υ	5.75	ŭ		6.02	
Styrene	U	5.00	U		6 02	U	5.75	υ		6.02	
sopropylbenzene		5.00	U		6.02	υ	5.75	υ		6.02	
1,1,2,2-Tetrachloroethane	U	5.00	U		6.02	U	5.75	U		6.02	
2,3-Trichloropropane	U	5.00	U		6.02	U	5.75			6.02	
Propyibenzene	U	5.00	ū		6.02	U	5.75	U		6 02	
Bromobenzene	U	5.00	Ű		6.02	υ	5.75	U		6.02	
3.5- Frimethylbenzene	U	5.00	U		6.02	U	5.75	U		6.0 2	
Chiorotoluene	U	5.00	Ŭ		6 02	U	5.75	U		6.02	
4-Chlorotoluene	U		U		6 0 2	U	5 7 5	U			
ert-Butylbenzene	U	5.00			6 02	Ŭ	5 7 5	U		6 02	
2,4 Trimethylbenzene	U	5.00	U	1	6 02	Ŭ	5.75	U		6.02	
	U	5.00	U	:		Ŭ	5.75	U		6.02	
sec-Butyibenzene	U	5.00	U		602	Ŭ	5 75	U		6.02	
p-Isopropyitoluene	U	5 00	u		6 02	u	5.75	U		6.02	
1 3-Dichlorobenzene	Ū	5.00	1 85	J	6.02		575	U		6.02	
1.4 Dichlorobenzene	Ŭ	5.00	U		.6 02	u	5.75	Ŭ		6 0 2	
n-Butylbenzene	ŭ	5.00	127		6 02	U	5 75	Ŭ		6.02	
1.2-Dichlcrobenzene	Ű	5 00	U		,6 0 2	U		u		6.02	
1.2-Dibromo-3-chloropropane	U	5.00	U		6 02	U	5.75	U U		6.02	
1.2.4 Trichlorobenzene		5.00	J		6 02	U	5.75			6.02	
Hexachiorobuladiene	U	5.00	ū		6 02	U	575	U U		6 02	
Naphthalene	U		Ŭ		5 32	J	5 7 5	U		0.02	
1 2,3-Trichlorobenzene	U	5 00	0								2331

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Method: REAC SOP 1807 Sample No	Soil Blank B 082606-1 1 100		19162 SB-004-7.5' 5 87		19163 SB-004-10 5 84		19164 SB-004 15' 5		19165 SB-004 20' 5	
ocation Studion Eactor							8	1	e	2
Dilution Factor Percent Solids									Result RL	
			Result	RL	Result	RL	Result	RL	Result	hð hð
	Result	RL	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	
nalyte	µg/kg	µg/kg	parka					30.9	υ	30
		5.00	U	28.7	U	29.8	U	30.9	Ŭ	30
ichlorodifluoromethane	U	5.00	Ŭ	28.7	U	29.8	U	30.9	Ŭ	30
hloromethane	U U	5.00	U	28.7	U	29.8	U U	30.9	Ū	30
inyl Chloride	U	5.00	υ	28.7	U	29.8	U	30.9	Ū	30
romomethane	ŭ	5.00	U	28.7	U	29.8	Ŭ	30.9	U	30
hioroethane	Ŭ	5.00	U	28.7	U	29.8 119	Ŭ	123	U	1:
richlorofluoromethane	Ŭ	20.0	U	115	U	29.8	Ŭ	30.9	U	30
cetone	Ū	5.00	U	28.7	U	29.8	Ū	30.9	U	30
1-Dichlomethene	U	5.00	U	28.7	U U	29.8	U	30.9	U	30
tethylene Chloride	U	5.00	U	28.7	U	29.8	υ	30.9	U	30
arbon Disulfide	U	5.00	U	28.7	Ŭ	29.8	U	30.9	U	30
lethyl-t-bulyl Ether ans-1,2-Dichloroethene	U	5.00	U	28.7	Ŭ	29.8	U	30.9	U	30
,1-Dichloroethane	U	5.00	U	28.7 28.7	Ŭ	29.8	U	30.9	U	30 30
-Butanone	U	5.00	U	28.7	Ŭ	29.8	U	30.9	U	30
.2-Dichloropropane	U	5.00	2	28.7	ŭ	29.8	U	30.9	U	34
is-1,2-Dichloroethene	U	5.00	U U	28.7	Ŭ	29.8	U	30.9	U U	30
chloroform	U	5.00	U	28.7	Ū	29.8	U	30.9	U	30
1-Dichloropropene	U	5.00 5.00	ŭ	28.7	U	29.8	U	30.9 30.9	116	30
2-Dichloroethane	U	5.00	34.9	28.7	51.1	29.8	155	30.9 30.9	U	30
1,1-Trichloroethane	U	5.00	U	28.7	U	29.8	U	30.9	ŭ	30
arbon Tetrachloride	U	5.00	ŭ	28.7	U	29.8	U	30.9	43.1	30
enzene	U U	5.00	14.7	28.7) 29.8	58.0 U	30.9	U	30
nchloroethene	U	5.00	U	28.7	U	29.8	Ŭ	30.9	U	30
2-Dichloropropane	ŭ	5.00	υ	28.7	U	29.8	Ŭ	30.9	U	30
romodichloromethane	Ŭ	5.00	υ	28.7	U	29.8 29.8	ŭ	30.9	U	30
ibromomethane	ũ	5.00	υ	28.7	U	29.8	ŭ	30.9	U	30
is-1,3-Dichloropropene	ŭ	5.00	U	28.7	U	29.8	ŭ	30.9	U	30
ans-1,3-Dichloropropene	Ŭ	5.00	U	28.7	U U	29.8	Ū	30.9	U	30
1,2-Trichloroethane	υ	5.00	U	28.7	υ	29.8	U	30.9	U	30
,3-Dichloropropane horomochloromethane	υ	5.00	U	28.7 28.7	Ŭ	29.8	υ	30.9	U	30 30
,2-Dibromoethane	U	5.00	U	28.7	Ŭ	29.8	U	30.9	U	30
romoform	U	5.00	U	28.7	ŭ	29.8	U	30.9	U	30
-Methyl-2-pentanone	U	5.00	U U	28.7	ū	29.8	U	30.9	U U	30
oluene	U	5.00	U	28.7	Ū	29.8	U	30.9	U	30
Hexanone	U	5.00 5.00	Ŭ	28.7	U	29.8	U	30.9	U	30
etrachloroethene	U	5.00	Ŭ	28.7	U	29.8	U	30.9 30.9	Ŭ	30
hiorobenzene	U	5.00	Ŭ	28.7	u	29.8	U	30.9	ŭ	30
1,1,2-Tetrachioroethane	U	5.00	Ŭ	28.7	U	29.8	U	61.7	ŭ	61
thylbenzene	U U	10.0	Ŭ	57.5	U	59.5	U U	30.9	ŭ	30
&m-Xylene	U U	5.00	Ū	28.7	U	29.8	Ŭ	30.9	Ū	30
-Xylene	Ŭ	5.00	U	28.7	U	29.8 29.8	U	30.9	U	30
ityrene	Ŭ	5.00	U	28.7	U	29.8	Ŭ	30.9	U	30
sopropyibenzene	ŭ	5.00	U	28.7	U	29.8	Ŭ	30.9	U	30
1,2,2-Tetrachloroethane	ũ	5.00	U	28.7	U	29.8	มี	30.9	υ	30
2,3-Trichloropropane	Ū	5.00	U	28.7	U U	29.8	Ũ	30 9	U	30
-Propyibenzene	U	5 0 0	U	28.7	U	29.8	Ŭ	30.9	U	30
romobenzene ,3,5-Trimethylbenzene	U	5.00	U	28.7	ŭ	29.8	υ	30. 9	U	30
-Chlorotoluene	U	5.00	U	28.7	Ŭ	29.8	U	30.9	U	30
-Chlorotoluene	U	5.00	U	28.7 28 7	U	29.8	U	30.9	U	30 30
ert-Butylbenzene	U	5.00	U	28.7	ŭ	29.8	U	30.9	U	30
2,4-Trimethylbenzene	U	5.00	U	28.7	Ŭ	29.8	U	30.9	U	30
ec-Butylbenzene	U	5.00	U U	237	Ū	29.8	υ	30.9	U	30
-isopropylloluene	U	5.00	U	28.7	ũ	29.8	U	30.9	U	30
3-Dichlorobenzene	U	5 00		23.7	ŭ	29.8	U	30.9	U	30
4-Dichlorobenzene	U	5.00	U	28.7	Ŭ	29.8	U	30 9	0	30
Butylbenzene	U	5.00	U	28.7	Ŭ	29.8	U	30.9	U	30
2 Dichlorobenzene	u	5.00	U U	237	ŭ	29.8	U	30 9	U	30
2.D.brcmo-3-chioropropane	u	5.00 5.00	U	237	U	29.8	U	30.9	U	30
		5 00	14		-					ູ່
	U U				U	29.8	U	30 9	U	30
2,4-Trichiorobenzene lexachlorobuladiene	L L L	5.00 5.00	U U	237 237	U U	29.8 29.8	U U	30 9 30 9	U U	30 30

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Method: REAC SOP 1807

Soil Blank B 082606-1 04181 Sample No SB-403-4.5 Location 5 1 Dilution Factor ,95 100 Percent Solids RL Result RL Result µg/kg µg/kg ug/kg µg/kg Analyte 26.3 5.00 u υ Dichlorodifluoromethane 26.3 5.00 υ υ Chloromethane 26.3 υ 5 00 υ Vinyl Chloride 26.3 υ υ 5 00 Bromomethane 26.3 υ υ 5 00 Chloroethane 26.3 υ 5.00 υ Trichlorofluoromethane 105 20.0 υ υ Acetone 26.3 U 5.00 U 1,1-Dichloroethene 26.3 υ 5.00 υ Methylene Chloride 26.3 5.00 υ υ Carbon Disulfide 26.3 U 5.00 υ Methyl-I-bulyl Ether 26.3 5.00 υ U trans-1,2-Dichloroethene 26.3 5.00 υ υ 1 1-Dichloroethane 26.3 5.00 U υ 2-Butanone 26.3 5.00 υ υ 2.2-Dichloropropane 26.3 13.9 J 5.00 U cis-1,2-Dichloroethene 26.3 υ 5.00 υ Chloroform 26.3 5 00 υ U 1,1-Dichloropropene 26.3 υ 5.00 U 1.2-Dichloroethane 26.3 67.3 5.00 υ 1,1,1-Trichloroethane 26.3 υ 5.00 υ Carbon Tetrachioride 26.3 5.00 U υ 26.3 Benzene 5.00 114 υ Trichioroethene 26.3 υ 5.00 υ 1,2-Dichloropropane 26.3 υ 5.00 U Bromodichloromethane 26.3 U 5.00 υ Dibromomethane 26.3 5.00 υ υ cis-1,3-Dichloropropene 26.3 U 5.00 υ trans-1,3-Dichloropropene 26.3 υ 5.00 υ 1.1.2-Trichloroethane 26.3 υ 5.00 U 1.3-Dichloropropane 26.3 5.00 υ υ Dibromochloromelhane 26.3 5.00 U υ 1.2-Dibromoethane 26.3 U 5 00 υ Bromoform 26.3 5.00 υ U 4-Methyl-2-pentanone 26.3 5 00 υ υ 26.**3** Toluene 5.00 U υ 2-Hexanone 26.3 υ 5.00 υ Tetrachloroethene 26.3 υ 5.00 U Chlorobenzene 26.3 u 5 00 υ 1,1,1,2-Tetrachloroethane 26.3 u 5.00 υ Ethylbenzene 52.6 υ 10.0 U p&m-Xylene 26.3 u 5.00 υ o-Xylene 26.3 U 5.00 u Styrene 26.3 υ 5.00 υ Isopropylbenzene 26.3 υ 5 00 υ 1,1,2,2-Tetrachioroethane U 26.3 5 00 υ 1.2.3-Trichloropropane 26.3 υ 5.00 U. n-Propyibenzene 26 **3** u 5 OO υ Bromobenzene 26.3 5.0**0** υ υ 1.3.5- Inmethylbenzene 26.3 5.00 υ υ 2-Chlorotoluene 26.3 υ 5.00 υ 4-Chiorotoluene 26.3 5 00 U υ tert-Butyibenzene 26.3 υ 5 00 υ 1.2.4 Trimethylbenzene 26.3 5.00 υ υ sec-Butyibenzene 26.3 υ 5.00 u p-isopropyitoluene 26.3 U 5.00 υ 1.3-Dichlorobenzene 26.3 u 5 OO U 1,4-Dichlorobenzene 26 3 5 00 U υ n-Butylbenzene 26 3 u 5.00 U 1.2-Dichlorobenzene 26.3 5.00 U J 1.2-Dibromo-3-chloropropane .'6 3 5 00 J U 1.2.4 Tochlorobenzene ,6.3 J 5 CO u Hexachicrobuladiene ¥6 3 5 00 j u Naphthalene 263 5 00 J υ 1 2.3-Trichlorobenzene

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Method: REAC SOP 1807 15135 19170 19**168** 19169 S8007-4.5 Soil Blank B 082706-2 SB006-4.5' SB005-23' SB005-4 Sample No 10 5 5 Location 75 1 77 1 Dilution Factor 86 83 100 Percent Solids RL Result RL Result RL RL Result Result µg/kg µg/kg RL µg/kg µg/kg Result µg/kg µg/kg ug/kg uq/kg ug/kg µg/kg 66 7 Analyte υ 32.5 29.1 υ υ 6.02 66.7 υ 5.00 32.5 υ U 29.1 U Dichlorodifluoromethane u 6.02 66.7 U 5.00 U 32.5 υ υ 29.1 6.02 υ 6**6**.7 Chloromethane 5.00 U 32.5 U υ u 29.1 Vinyl Chloride 6.02 U 66.7 5.00 U 32.5 U υ u 29.1 υ 66.7 Bromomethane 6.02 υ U 5.00 32.5 υ u 29.1 U Chloroethane 6.02 267 U 140 Л 130 5.00 U 130 116 Trichlorofluoromethane υ 66.7 24.1 34.0 24.3 J 32.5 20.0 U 15.2 J 29.1 6 02 υ 66.7 Acetone U υ 5.00 32.5 υ u 29.1 1 1-Dichloroethene υ 66.7 6.02 U U 5.00 32.5 υ U υ 29.1 Methylene Chloride 6.02 U 66.7 U 32.5 5 00 υ U υ 29.1 66.7 Carbon Disuinde 6 02 U U υ 5 00 υ 32.5 29.1 Methyl-t-butyl Ether υ 41.2 66.7 U 6.02 J 5.00 32.5 υ trans-1.2-Dichloroethene υ υ 29.1 66.7 6 0 2 υ U 5.00 32.5 υ υ 29.1 υ 1.1-Dichloroethane 6 02 66.7 υ U 5.00 32.5 υ U 29.1 υ 2-Butanone 6.02 66.7 υ U 5.00 32.5 υ U 29.1 2,2-Dichloropropane υ 6.02 66.7 υ U υ 5.00 υ 32.5 cis-1,2-Dichloroethene 29.1 υ 6.02 66.7 υ υ 5.00 32.5 υ υ 29.1 υ 6.02 66.7 Chloroform υ υ 5.00 32.5 υ U 29.1 1,1-Dichloropropene 6.02 υ 66.7 527 υ 5.00 32.5 υ 545 179 29.1 1,2-Dichloroethane 6.02 66.7 162 υ 5.00 υ 32.5 U 29.1 1,1,1-Trichloroethane υ υ 6.02 υ 66.7 5.00 32.5 υ υ 29.1 Carbon Tetrachloride υ υ 6.02 287 66.7 5.00 32.5 u 279 29.1 70.2 6.02 66.7 Benzene 96.6 U 5.00 32.5 υ υ 29.1 Trichioroethene 6.02 υ 66.7 U u 5.00 32.5 u υ 29.1 1,2-Dichloroproparie υ 66.7 6.02 U U 5 00 32.5 υ υ 29.1 Bromodichloromethane υ 6.02 66.7 U υ 5.00 32.5 υ υ 29.1 υ Dibromomethane 66.7 6.02 υ 5.00 υ 32.5 υ u cis-1,3-Dichloropropene 29.1 υ 66.7 υ 6.02 υ 32.5 5.00 υ U trans-1,3-Dichloropropene υ 29.1 66.7 6 02 υ υ 32.5 5.00 υ u 29.1 υ 1.1.2-Trichloroethane 66.7 υ 6 0 2 υ 32.5 5.00 U υ 29.1 υ 1,3-Dichloropropane 68.7 6 02 υ u 32.5 5 00 u υ 29.1 υ Dibromochloromethane 66.7 6.02 υ υ 32.5 5.00 U υ 29.1 υ 1.2-Dibromoethane 6.02 66.7 υ υ 32.5 5 00 υ U 29.1 υ Bromoform 66.7 6 02 υ υ 5.00 υ 32 5 υ 29.1 υ 66.7 4-Methyl-2-pentanone 6.02 υ υ 5.00 32.5 υ υ 29.1 U 66.7 6 02 υ Toluene U 32.5 5.00 υ U υ 29.1 2-Hexanone 66.7 6 0 2 υ υ 32.5 5.00 U υ 29.1 Tetrachloroethene υ 66.7 6.02 υ υ 32.5 5.00 u U 29.1 U Chlorobenzene 66.7 U 6.02 U 5.00 32 5 U u 1,1,1,2-Tetrachloroethane 29.1 υ 6.02 υ 133 υ 5.00 64.9 U υ 58.1 12.0 υ 66.7 Ethylbenzene u u 10 0 32.5 υ U 29.1 6.02 U 66.7 p&m-Xylene U U 5.00 32.5 υ u 29.1 υ 66.7 6 02 u o-Xylene υ ŭ 5 00 υ 32.5 29.1 U 66.7 6.02 υ Styrene υ 5.00 32.5 υ υ isopropylbenzene υ 29.1 66.7 6 02 υ υ 32.5 5.00 U υ 1,1,2,2-Tetrachtoroethane υ 29.1 66.7 U 6.02 υ 32.5 5 00 U U 1,2,3-Trichloropropane 29.1 U 66.7 6 02 υ 32.5 υ 5.00 U u 29.1 υ 66.7 n-Propylbenzene υ 6 0 2 υ 32.5 5.00 υ U 29.1 υ 66.7 Bromobenzene 6.02 υ υ 32.5 5.00 υ U 29.1 υ 66.7 1.3.5-Trimethylbenzene 6.02 υ υ 32.5 5.00 υ U 29.1 υ 2-Chlorotoluene 6.02 66.7 υ υ 32.5 5 00 U U 29.1 U 66.7 4-Chiorotoluene 6 02 υ υ U 5.00 32.5 U 29.1 U tert-Butylbenzene 66.7 6 02 υ U 5 00 32.5 U U 29.1 1.2.4-Trimethylbenzene U 6.02 56.7 υ υ 5 00 32.5 υ U 29.1 6.02 U 66.7 sec-Butylbenzene u 5.00 U 32.5 U 29.1 U. 6.02 u 6**6.7** p-isopropyitoluene u 32 5 U 5.00 U u 29.1 1.3-Dichlorobenzene 6.02 υ 6**6.7** υ υ 5.00 32.5 U U 29 1 U 6**6.7** 1.4-Dichlorobenzene 5.02 U 5 00 32 5 U U U 29 1 U n-Bulyibenzene 6.02 66.7 υ 32.5 U 5 00 U υ 29.1 υ 1.2-Dichlorobenzene 6.02 66.7 U 5.00 U 32.5 u J 29 1 1.2-Dioromo-3-chloropropane 6 02 υ 66.7 5 00 IJ 32.5 U. υ 29.1 J 1.2.4-Trichlorobenzene 11 6**6** 7 6 J Z 5 60 U 32.5 u U J 29 1 υ Hexachlorobuladiene 6 02 c6.7 υ 32 5 J 5 00 U J 231 U Naphthalene 5 02

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1,2.3-Thenlorobenzene

Method: REAC SOP 1807 23734 23733 15138 15,137 SB-009-24.5 Soil Blank B 082706-2 SB-009-18' SB008-7.5 Sample No SB(08-5 5 5 5 Location 0 93 84 85 Dilution Factor 61 100 Percent Solids RL RL Result Result RL Result RL µg/kg Result µg/kg RL µg/kg Result µg/kg hð\kð µg/kg ug/kg µg/kg µg/kg µg/kg 26.9 Analyte U υ 29.8 29.4 U 61.7 26.9 υ U 5 00 29.8 υ υ Dichlorodifluoromethane U 29.4 61.7 26.9 U υ υ 5.00 29.8 υ 29.4 υ Chloromelhane 61.7 26.9 U U 5.00 29.8 U υ 29.4 Vinyl Chloride U 61.7 26.9 U υ 5.00 29.8 u 294 u Bromomethane 61.7 U 26.9 U 5.00 29.8 u U υ 29.4 Chioroethane 61.7 U 108 5.00 υ 119 U U u Trichlorofluoromethane 118 247 u 26.9 120 J 20.0 29.**8** 34.3 u 278 29.4 u 26.9 61.7 Acetone 5.00 65.2 298 u υ 2520 29.4 1,1-Dichloroethene U 61.7 26.9 5.00 u 29.8 υ υ u Methylene Chloride 29.4 61.7 υ 26.9 U U 5.00 29.8 υ 29.4 U Carbon Disulfide υ 61.7 26.9 5.00 υ 29.8 υ υ 29.4 U υ Methyl-t-butyl Ether 61.7 26.9 υ 20.7 .1 5.00 29.8 υ 100 29.4 trans-1,2-Dichloroethene υ 61.7 26.9 36.2 J υ 5.00 29.8 υ U 29.4 1.1-Dichloroethane υ 61.7 26.9 υ υ 5.00 29.8 υ U 29.4 U 61.7 26.9 2-Bulanone υ υ 5.00 29.8 υ 53.7 υ 29.4 2.2-Dichloropropane J 61.7 26.9 19.9 υ 5.00 29.8 υ 69.6 29.4 cis-1,2-Dichloroethene υ 61.7 26.9 υ υ υ 5.00 29.8 u 29.4 υ Chloroform υ 61.7 υ 26.9 5.00 29.8 υ 76.5 υ 29.4 1,1-Dichloropropene 61.7 952 53.8 υ 5.00 59500 υ 580000 29.4 1.2-Dichloroethane 719 61.7 579 26.9 υ 5.00 29 B υ 88.8 29.4 1.1.1-Trichloroethane 61.7 U 26.9 υ υ 5.00 29.8 υ 29.4 U Carbon Tetrachloride υ 61.7 53.8 198 υ υ 5.00 149000 59500 29.4 313 61.7 26.9 Benzene 406 υ 5.00 29.8 υ u 29.4 υ Trichloroethene 61.7 26.9 υ 5.00 υ 29.8 υ υ 29.4 1,2-Dichloropropane υ 61.7 26.9 U υ 5.00 29.8 υ υ 29.4 U Bromodichloromethane 61.7 26.9 υ υ 5.00 29.8 υ υ 29.4 u Dibromomethane 61.7 26.9 5.00 U U 29.8 υ υ 29.4 cis-1,3-Dichloropropene 61.7 υ 26.9 υ υ 5.00 29.8 υ 29.4 312 trans-1,3-Dichloropropene U 61.7 26.9 υ υ 5.00 29.8 u υ 29.4 υ 1,1,2-Trichloroethane 61.7 26.9 U 5.00 υ 29.8 υ υ 29.4 υ 1.3-Dichloropropane 61.7 26.9 υ υ 5.00 U υ 29.8 29.4 Dibromochloromethane υ 61.7 26.9 u 5.00 υ 29.8 υ υ 29.4 1.2-Dibromoethane υ 61.7 26.9 υ υ 5.00 29.8 U υ 29.4 u 61.7 26.9 Bromoform u U 5.00 29.8 υ 186 4-Methyl-2-pentanone 29.4 61.7 υ 26.9 5.00 U 29.8 υ υ 29.4 υ u 61.7 26.9 Toluene 5.00 U 2**9.8** u u 29.4 35.2 U 2-Hexanone 61.7 26.9 5.00 U 29 B υ Tetrachioroethene U 29.4 U 61.7 U 26.9 5 00 υ 29.8 u J U 29.4 13.9 Chlorobenzene 61.7 U 26.9 5.00 U 29.8 U. J 1.1.1.2-Tetrachloroethane u 29.4 11.9 61.7 u 53.8 U 5.00 59.**5** U υ 58.8 50.9 J Ethylbenzene 123 U 26.**9** 10.0 υ 29.8 U J u 29.4 11.4 p&m-Xylene 61 7 υ 26.9 U 5.00 2**9.8** U υ 29.4 υ o-Xylene 61.7 υ 26.9 υ υ 5.00 29.8 υ 29.4 U υ Styrene 61.7 26.9 U U 5.00 29.8 U U 29.4 Isopropyibenzene 61.7 u 26.9 5 00 υ 29.8 υ U U 1,1,2,2-Tetrachloroethane 29.4 U 61.7 26.9 υ 5.00 29.**8** U u 1,2,3-Trichloropropane 29.4 U ;**51.7** U 26.9 U 5.00 29.8 u U 29.4 U. n-Propylbenzene \$1.7 u U 26.9 5.00 υ 298 U 406 29.4 Bromobenzene . 51.7 U 26.9 5 00 U υ 29.8 U 29.4 u 1.3,5-Trimelhylbenzene 61.7 U 5.00 u υ 26 9 298 U υ 29.4 2-Chlorotoluene 61.7 υ 26 9 5.00 υ υ 29.8 υ U 4-Chlorotoluene 29.4 υ 61.7 5.00 J υ 26.9 298 υ J 14.6 29.4 tert-Butylbenzene υ €1.7 5 00 J 26.9 υ υ 29.8 υ 29.4 1.2.4-Trimethylbenzene υ 61.7 26 9 5.00 U υ 29.8 υ sec-Butylbenzene 29.4 U 617 26.9 ١J 5.00 2**9.8** u U 29.4 U p-isopropyitoluene υ 61.7 U 26.9 5.00 29.8 u υ 294 U 1.3-Dichlorobenzene 61.7 υ 26.9 5 00 ų, υ 298 υ U. 1.4-Dichlorobenzene 29.4 617 U 5.00 ы υ 26 9 29 **B** U 29.4 11.5 J. n-Butylbenzene υ 6 | 7 5 00 Ų 26.9 υ 298 υ U 29.4 1.2-Dichlorobenzene 67 υ 5 CO L, υ 26.9 U 29.8 1.2-Dibromo-3-chloropropane 7 56 J 6[·]7 υ 294 25.9 5 00 Ĺ, U 29.8 U U 1.2.4 Trichiorobenzene 29.4 υ 61.7 26 9 5.00 υ, 298 υ υ J

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Hexachlorobuladiene

1.2.3-Trichiorobenzene

Naphthalene

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Method: REAC SOP 1807 23876 23870 23879 23736 SB012-20' Soil Blank B 082706-2 SB011-12.5 SB014-17.5 Sample No SB-009-28.5 5 5 5 5 88 Location 82 1 82 Dilution Factor 90 100 RL Percent Solids Result RL RL Result Result RL µg/kg Result RL. µg/kg µg/kg Result µg/kg µg/kg ug/kg µg/kg µg/kg µg/kg µg/kg 28.4 Analyte U 30.5 u 30.5 υ 278 28.4 υ U 5.00 30.5 υ Dichlorodifluoromethane υ 30.5 υ 284 27.8 υ υ 5.00 30.5 υ U 30.**5** υ Chloromethane 27.8 28.4 υ 5.00 u 30.5 υ υ 30.5 Vinyl Chloride 27.8 υ 28.4 U 5.00 U 30.5 U U 30.5 Bromomethane υ 28.4 27.8 U U 30.5 5.00 υ υ 30.5 υ 114 27.8 Chioroethane 5.00 υ 122 U υ υ 122 Trichlorofluoromethane υ 28.4 111 υ 30.5 υ 20.0 30.5 U υ υ 28.4 27.8 Acetone 17.4 J u 30.5 5.00 U u 30.5 υ 28.4 1,1-Dichloroethene υ 27.8 U 30.5 5.00 U υ 30.5 υ 28.4 Methylene Chloride 27.8 υ υ 30.5 υ 5.00 υ 30.5 Carbon Disulfide υ 28.4 27.8 υ υ 30.5 5.00 υ υ 30.5 υ 28.4 Methyl-t-butyl Ether 27.8 υ υ 30.5 υ 5.00 υ trans-1,2-Dichloroethene υ 30.5 28.4 27.8 υ υ 30.5 5.00 υ υ 30.5 υ 28.4 1,1-Dichlorpethane 27.8 υ υ 30.5 5 00 u υ 30.5 υ 28.4 2-Butanone υ 27.8 15.6 J 30.5 5.00 U U 30.5 υ 2,2-Dichloropropane 28.4 27.8 U υ 30.5 5.00 υ υ cis-1,2-Dichloroethene 30.5 υ 28.4 27.8 υ υ 5.00 30.5 U U 30.5 27.8 υ 28.4 Chloroform U υ 30.5 5.00 υ υ 30.5 1,1-Dichloropropene υ 28.4 27.8 287 υ 5.00 132 30.5 υ 610 1.2-Dichloroethane 6620 28.4 345 27.8 υ 30.5 5.00 υ υ 1,1,1-Trichloroethane υ 30.5 28.4 27.8 υ υ 30.5 5.00 υ U υ 30.5 28.4 Carbon Tetrachloride 27.8 358 U 30.5 5.00 155 υ 610 2360 28.4 27.8 υ Benzene 75.4 30.5 5.00 υ u 30.5 28.4 υ Trichioroethene υ 27.8 30.5 υ 5 00 υ υ 30.5 υ 28.4 1.2-Dichloropropane υ 27.8 υ 30.5 5.00 υ υ 30.5 Bromodichloromethane υ 28.4 27.8 υ 30.5 υ 5 00 U υ 30.5 υ 28.4 Dibromomethane 27.8 υ υ 30.5 5 00 U υ 30.5 cis-1,3-Dichloropropene υ 28.4 27.8 υ υ 30.5 5 00 u υ 30.5 trans-1,3-Dichloropropene υ 28.4 278 υ 30.5 υ 5 00 U υ 30.5 υ 28.4 1,1,2-Trichloroethane 27.8 υ υ 30.5 5 00 U υ 30.5 υ 28.4 27.8 1.3 Dichloropropane υ υ 30.5 5 00 U υ 30.5 υ Dibromochloromethane 28.4 27.8 υ υ 30.5 5 00 υ U 30.5 U 28.4 27.8 1.2-Dibromoethane υ 30.5 υ 5.00 υ 30.5 U υ 28.4 Bromoform 27.8 30.5 U υ 5 00 U υ 30.5 31.8 28.4 4-Methyl-2-pentanone 27.8 υ υ 30,5 5.00 U U 30.5 υ 28.4 Toluene υ 27.8 30.5 υ 5 00 υ U 30.5 21.5 J 28.4 2-Hexanone 278 υ υ 30.5 5 00 υ U 30.5 υ 28.4 Tetrachloroethene 27.8 υ υ 30.5 5.00 υ U 30.5 υ 28.4 Chlorobenzene 27 8 υ υ 30.5 5.00 υ υ 1,1,1,2-Tetrachloroethane 13.3 J 30.5 56.**8** 27.8 υ 61.0 υ 5 00 υ υ 61.0 42.7 J 25.4 Ethylbenzene 55.6 U υ 30.5 10.0 υ υ J 30.5 28.4 12.9 p&m-Xylene 27.8 30.5 U υ 5.00 U υ 30.5 28.4 υ o-Xylene υ 27.8 30.5 u 5.00 υ υ 30.5 υ 28.4 27.8 υ Styrene υ 30.**5** υ 5.00 30.5 υ 28.4 υ Isopropyibenzene 27.8 υ 30.5 υ υ 5 00 30.5 u 1,1,2,2-Tetrachloroethane υ 28.4 27.8 U υ 30.5 5 00 U υ 30.5 28.4 1,2,3-Trichloropropane υ 27.8 υ υ 30.5 5 00 u υ 30.5 υ 28.4 27.8 n-Propylbenzene U U 30 5 5 00 u υ 30.5 υ 28.4 Bromobenzene 27.8 υ υ 5 00 30.5 υ υ 30.5 υ 28.4 1.3,5-Trimethylbenzene 27.8 υ υ 30.5 5 00 U υ U 30.5 28.4 27.8 2-Chlorotoiuene υ 30.5 U 5 00 U U 30.5 υ 4-Chlorololuene 28 4 27.8 30.5 υ υ 5 00 U U 30.5 υ 28.4 tert-Butyibenzene 278 υ υ 30.5 U 5 00 υ 30.5 1,2,4-Trimethylbenzene υ 234 27.8 υ υ 30.5 5.00 υ U 30.5 sec-Butyitenzene υ 284 278 u υ 5.00 30.5 υ U 30.5 278 U 28.4 p-isopropyltoluene U 5.00 U 30.5 u υ 30.5 278 u 28.4 1.3-Dichlorobenzene U υ 30 5 5.00 υ 30 5 U. U 28 4 1.4-Dichlorobenzene 278 υ 30 5 u 5.00 U U 30 5 35.7 n-Bulyibenzene 278 23.4 υ υ 30 5 5.00 ú υ 30 5 ú 1 2-Dichlorobenzene 284 27.8 υ u 30 5 5.00 U U 1.2-Dibromo-3-chloropropane 58 0 30 5 28.4 278 υ υ 30 5 5.00 U U, 30 5 1 2.4-Trichlorobenzene 278 U u 28.4 u 5 00 30.5 U U CO 5

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Hexachlorobuladiene

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Nachthalene

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lethod: REAC SOP 1807 ample No ocation Jilution Factor		B 082706-3 1	SB-N	161 04-5' 0 0	041 S800 5 8	5-10'	238 SB01 8	2-18' 5	SBO	377 1-19' 5 4
ercent Solids	1	00	Y					-	Dogu	RL
ELEN COMPT	Result	RL	Result	RL	Result	RL	Result µg/kg	RL µg/kg	Result µg/kg	µg/
	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	2203			
inalyle				55.6	U	29.8	U	29.8	U	29. 29.
ichlorodifiuoromethane	U	5.00	U	55.6	ŭ	29.8	U	29.8	U	29
hloromethane	U	5.00	U	55.6	ŭ	29.8	U	29.8	U	29
inyl Chloride	U	5.00	U U	55.6	Ū	29.8	U	29.8	U	29
romomethane	U	5.00	U	55.6	Ū	29.8	U	29.8	บบ	29
hioroethane	U	5.00 5.00	Ŭ	55.6	U	29.8	U	29.8 119	Ŭ	11
richlorofluoromethane	U		ŭ	222	u	119	U	29.8	74.5	29
celone	7.52	J 20.0 5.00	114	55.6	u	29.8	u	29.8	79.3	29
,1-Dichloroethene	U U	5.00	U	55.6	U	29.8	U U	29.8	U	29
tethylene Chloride	Ŭ	5.00	U	55.6	U	29.8	ŭ	29.8	υ	29
arbon Disulfide	U	5.00	U	55.6	U	29.8 29.8	ŭ	29.8	U	29
lethyl-t-butyl Ether	ŭ	5.00	U	55.6	U	29.8	ŭ	29.8	14.1	J 29
ans-1,2-Dichloroethene	ŭ	5.00		J 55.6	U	29.8	ŭ	29.8	U	29
1-Dichloroethane	บั	5.00	U	55.6	U U	29.8	ŭ	29.8	U	29
Butanone	ŭ	5.00	U	55.6	UU	29.8	ŭ	29.6	U	29
2-Dichloropropane	Ū	5.00	305	55.B	U	29.8	Ū	29.8	U	29
is-1,2-Dichloroethene	U	5.00	U	55.6 55.6	U	29.8	U	29.8	U	29 29
hloroform ,1-Dichloropropene	U	5.00	U	55.6	Ŭ	29.8	U	29.8	U	29
2-Dichloroethane	U	5.00	U	55.6	33.5	29.8	281	29.8	2000	29
1,1-Trichloroethane	U	5.00	376 U	55.6	U	29 B	U	29.8	U U	29
Carbon Tetrachloride	U	5.00	U	55.6	ū	29.8	U	29.8	1040	59
Benzene	U	5.00	1010	55.6	13.4	29.8	1520	29 8	U	29
richloroethene	U	5.00 5.00	0	55.6	U	29.8	U	29.8 29 8	υ	29
.2-Dichloropropane	U	5,00	Ŭ	55.6	U	29.8	U	29.8	ŭ	29
Bromodichloromethane	U	5.00	ŭ	55.6	υ	29.8	U	29.8	ŭ	29
Dibromomethane	U U	5.00	Ũ	55.6	U	29.8	U U	29.B	Ū	29
is-1.3-Dichloropropene	U	5.00	ũ	55.6	υ	29.8	U U	29.8	12.7	J 29
rans-1,3-Dichloropropene	Ŭ	5.00	υ	55.6	U	29.8	υ	29.8	U	29
1,2-Trichloroelhane	ŭ	5.00	U	55.6	U	29,8 29,8	Ŭ	29.8	U	29
.3-Dichloropropane	ŭ	5.00	υ	55.6	U	29.8	ŭ	29.8	υ	29
Dibromochloromethane	Ũ	5.00	U	55.6	U	29.8	Ū	29.8	U	29
2-Dibromoethane	Ŭ	5.00	υ	55.6	U U	29.8	Ŭ	29.8	υ	29
Bromoform	U	5.00	U	55.6 J 55.6	Ŭ	29.8	υ	29.8	U	29 29
4-Methyl-2-pentanone	U	5.00		J 55.6 55.6	ŭ	29.8	U	29.8	U	29
Foluene 2-Hexanone	U	5.00	U U	55.6	Ũ	29.8	U	29.8	U U	29
fetrachloroethene	U	5.00 5.00	Ŭ	55.6	υ	29.8	U	29.8 29.8	U	29
Chlorobenzene	U	5.00	Ŭ	55.6	U	29.8	U	29.8	ŭ	29
1,1,1,2-Tetrachloroethane	U U	5.00	ũ	55.6	υ	29.8	U	59.5	ũ	59
Ethylbenzene	U U	10.0	U	111	U	59.5	UU	29.8	Ŭ	29
am-Xylene	Ŭ	5.00	U	55.6	U	29.8	U	29.8	Ű	29
-Xylene	Ŭ	5.00	υ	55.6	U	29.8 29.8	ŭ	29.8	U	29
Styrene	ŭ	5.00	U	55.6	U	29.8	ŭ	29.8	U	29
sopropylbenzene	Ű	5.00	U	55.6	U U	29.8	ŭ	29.8	U	29
1,1,2,2-Tetrachloroethane	U	5.00	U	55.6	υ	29 8	U	29.B	U	29
1,2,3-Trichloropropane	U	5.00	U	55.6	Ŭ	29 8	U	298	U	29
1-Propylbenzene Bromobenzene	U	5.00	U	55.6	Ū	29.8	U	29.8	U	29
1.3.5-Trimethylbenzene	υ	5 00	U	;5 5.6	Ŭ	29.8	U	29.8	U	29
-Chlorotoluene	υ	5.00	U	55.6 55.6	Ŭ	29.8	U	29.8	U	29 29
-Chlorotoluene	U	5.00	U	55.6 55.6	Ŭ	29.8	U	29.8	U	29
ert-Butylbenzene	υ	5.00	U U	ې5.6	Ŭ	29.8	U	29.8	U	29
2.4.Tomethylberzene	U	5.00		55 6	Ū	29.8	υ	29. 8	U	29
ec-Butylbenzene	U	5.0 0	ر	56	Ũ	29.8	U	29.8	U	29
-Isopropylloluene	U	5 00	. J	5.6	Ũ	29.8	U	29.8	u	29
3-Dichlorobenzene	U	5 00	L)	55.6	Ũ	29.8	U	29. 8	U	29
4-Dichlorobenzene	U	5.00	L)	55.6	ũ	29 B	U	29. 8	U	29
-Bulyibenzene	U	5.00	L.	55 6	U	29.8	U	29.8		29
2-Dichlorobenzene	U	5.00	u U	55.6	บ	29.8	U	29.8	0	29
2-Dioromo-3-chioropropane	บ	5 00		5,56	Ū	29.8	U	29.8	U	29
2.4-Trichlorobenzene	U	5.00	ι.	5,36	Ŭ	298	U	298	U	29
exachiorobuladiene	U	5.0 0 5.0 0	لر لر	50 G	ŭ	29.8	U	29.8	U J	29
	U							29 8		

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ethod: REAC SOP 1807 ample No scation ilution Factor	Soil Blar	nk B 082706-3	237 SB0 5 8	12-9' 5	S801	873 0-18.5' 5 70	237 SB01 5	0- 22 *		
ercent Solids		100	8	3				-	Geoult	R
ercent Solds	Result	RL	Result	RL	Result	RL µg/kg	Result µg/kg	RL µg/kg	Result µg/kg	pg/
nalyte	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg			31.3	υ	30
	U	5.00	U	30.1	U	35.7	U U	31.3	υ	30
ichiorodifluoromethane	U	5.00	U	30.1	U	35.7	Ŭ	31.3	υ	30
hloromethane	-	5.00	U	30.1	U	35.7	U	31.3	U	30
inyl Chloride	U U	5.00	U	30.1	U	35.7	U	31.3	U	30
romomelhane	υ	5.00	U	30.1	U	35.7	ŭ	31.3	U	30
hloroethane	U	5.00	U	30.1	U	35.7	ŭ	125	U	13
richlorofluoromethane	7,52	J 20.0	U	120	U	143 35.7	138	31.3	U	30
cetone	U	5.00	U	30.1	244	35.7	U.	31.3	U	30
1-Dichlomethene	Ű	5.00	U	30.1	U	35.7	ŭ	31.3	U	30
lethylens Chloride	ŭ	5.00	U	30.1	U	35.7	ũ	31.3	U	30
arbon Disulfide	Ŭ	5.00	U	30.1	U	35.7	Ũ	31.3	U	30
lethyl-t-bulyl Ether	ŭ	5.00	U	30.1	U 40.2	35.7	24.1	31.3	U	30
ans-1,2-Dichloroethene	Ű	5.00	U	30.1	40.3 U	35.7	U	31.3	U	30 30
1-Dichloroethane	U	5.00	U	30.1	Ŭ	35.7	U	31.3	U	30
Butanone	U	5.00	U	30.1 30.1	11.0	J 35.7	U	31.3	U	30
2-Dichloropropane	U	5.00	U	30.1	U	35.7	U	31.3	U	30
is-1,2-Dichloroethene	U	5.00	U	30.1	Ŭ	35.7	U	31.3	U U	30
hloroform 1-Dichloropropene	U	5.00	U	30.1	บ	35.7	U	31.3		3(
2-Dichloroethane	U	5.00	U 318	30.1	3910	714	3410	313	110 U	30
1.1-Trichloroethane	U	5.00	0	30.1	U	35.7	U	31.3 31.3	Ŭ	30
arbon Tetrachioride	U	5.00 5.00	υ	30.1	U	35.7	U	31.3	33.7	30
enzene	U	5.00	1070	301	108	35.7	38.4	31.3	U	30
richloroethene	U	5.00	U	30.1	U	35.7	U U	31.3	U	30
.2-Dichloropropane	U U	5 00	Ū	30.1	U	35.7	U	31.3	υ	3
romodichloromethane	U	5.00	U	30.1	U	35.7 35.7	Ŭ	31.3	U	30
ibromomethane	Ŭ	5.00	U	30.1	U	35.7	Ŭ	31.3	υ	30
is-1,3-Dichloropropene	Ŭ	5.00	U	30.1	U	35.7	ũ	31.3	U	30
ans-1,3-Dichloropropene	Ŭ	5.00	U	30.1	U U	35.7	U	31.3	U	3(
1.2-Trichloroethane	Ū	5.00	U	30.1	U	35.7	U	31 3	U	30
3-Dichloropropane	Ū	5.00	U	30.1	Ŭ	35.7	U	31.3	U	3(
bibromochloromethane	U	5.00	U	30.1 30.1	Ŭ	35.7	U	31.3	U	30
2-Dibromoethane	U	5.00	U	30.1	ŭ	35.7	U	31.3	U U	30
romotorm -Methyl-2-pentanone	U	5 00	U	30,1	ŭ	35.7	U	31.3	U	30
oluene	U	5.00	U U	30.1	Ŭ	35.7	U	31.3	U	30
Hexanone	U	5.00	U	30.1	U	35.7	U	31 3 31 3	Ŭ	30
etrachloroethene	U	5.00	U	30.1	U	35.7	U	31.3	ŭ	30
hlorobenzene	U	5.00 5.00	Ŭ	30.1	U	35.7	U	31.3	ŭ	30
1.1.2-Tetrachloroethane	U	5.00	ŭ	30.1	U	35.7	U	62.5	Ŭ	6
thylbenzene	U	10.0	Ū	60.2	U	71.4	U U	31.3	U	3
&m-Xylene	U	5.00	Ũ	30.1	U	35.7	U	31.3	U	30
Xylene	U U	5 00	Ū	30.1	U	35.7 35.7	Ŭ	31.3	U	30
styrene	U	5 00	U	30.1	U	35.7	Ŭ	31 3	U	30
sopropylbenzene	Ŭ	5.00	υ	30.1	U U	35.7	Ŭ	31.3	U	30
,1.2.2-Tetrachioroethane	Ŭ	5 00	U	30.1	U	35.7	Ŭ	31.3	U	30
2.3-Trichloropropane	U	5.00	U	30.1	U	35.7	U	31 3	U	30
-Propyibenzene	U	5.00	U	30.1 30.1	Ŭ	35.7	U	31.3	U	30
romobenzene ,3,5-Tnmethylbenzene	U	5.00	U	30.1	Ŭ	35.7	U	31.3	U	3
	U	5 00	U	30.1	U	35.7	U	31 3	U	3(
-Chloroloiuene -Chloroloiuene	U	5 00	U	30.1	ŭ	35.7	U	31.3	U	30
ert-Butylbenzene	U	5.00	U	30.1	Ū	35.7	U	31.3	U	30
2.4-Trimethylbenzene	U	5.00	U U	30.1	Ū	35.7	U	31 3	U U	30
ec-Bulyibenzene	U	5.00	U U	30.1	Ū	35 7	U	31.3	U	30
-Isopropyitoluene	U	5.00	U	30.1	Ū	35.7	U	31.3	U	30
.3-Dichlorobenzene	U	5 00	U	30.1	U	35.7	U	313	U	30
4-Dichlorobenzene	U	5 00	U	30.1	Ū	35 7	U	313	U	30
Bulyibenzene	υ	5 00	U	30.1	U	35 7	U	313	U U	30
2-Dichlorobenzene	U	5 0 0	υ	30 1	U	35 7	U	313	ŭ	30
2-Dibramo-3-chioropropane	U	5 00	ບ ບ	30.1	U	35 7	U	313	U	30
2.4-Tochlorobenzene	Ú.	5 00	U	30 1	U	35 7	U	313	U U	30
lexachiorobuladiene	υ	5 00 5 00	5	30 1	υ	35 7	U U	313 513	J	30
	U					35.7				

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/lethod: REAC SOP 1807 Sample No .ocation	Soil Blank B	082706-3		238,82 01, a-3			383 16-18 5	238 SB01	2a-6' i		3881 12a- 5 85	
ilution Factor	1	n		8;		8	2	8	5			
ercent Solids	10								RL	Result		RL
	Result	RL	Result		RL	Result	RL	Result	µg/kg	µg/kg		µg/kg
	µg/kg	µg/kg	µg/kg		µg/kg	µg/kg	µg/kg	µg/kg				
nalyte				•			30.5	U	29.4	U		29.4
	U	5.00	υ		30.5	U		Ŭ	29.4	U		29.4
ichlorodifluoromethane	ŭ	5.00	U		30.5	U	30.5	Ŭ	29.4	U		29.4
hloromethane	u	5.00	υ		30.5	U	30.5	Ŭ	29.4	U		29.4
inyl Chloride	ŭ	5.00	U		30.5	u	30.5	Ŭ	29.4	U		29.4
romomethane		5.00	U		30.5	U	30.5		29.4	720	J	29.4
hloroethane	U	5.00	99.0		30.5	U	30.5	U	118	236	J	118
richlorofluoromethane	U 7.52 J		U		122	U	122	U U	29.4	5820	J	29.4
cetone		5.00	3750	J	30.5	u	30.5		29.4	U		29.4
1-Dichloroethene	U	5.00	U		30.5	u	30.5	U	29.4	Ū		29.4
lethylene Chloride	U	5.00	Ū		30. 5	U	30.5	U	29.4	ŭ		29.4
arbon Disulfide	u	5.00	Ū		30.5	υ	30.5	U	29.4	8.35	J	29.4
lethyl-t-bulyl Ether	U	5.00	Ũ		30.5	U	30.5	U		134	J	29.4
ans-1,2-Dichloroethene	U	5.00	41.4		30.5	U	30.5		29.4	U		29.4
1-Dichloroethane	U	5.00	- U		30.5	U	30.5	U	29.4 29.4	ŭ		29.4
Bulanone	u	5.00	Ŭ		30.5	u	30.5	U	29.4 29.4	1370	J	294
2-Dichloropropane	u	5.00	53.2		30.5	υ	30.5	924	29.4	U	-	29.4
is-1,2-Dichloroethene	U	5.00	U		30.5	υ	30.5	U	29.4	ŭ		29.4
hioroform	U	5.00	ŭ		30.5	υ	30.5	U		ŭ		29.4
1-Dichloropropene	U		ŭ		30.5	U	30.5	U	29.4	83600		58800
2-Dichloroethane	U	5.00	10400	J	30.5	121	30.5	1030	29.4	604	J	29.4
1,1-Trichloroethane	υ	5 00	,0400 U	•	30.5	υ	30.5	υ	29.4	Ű		29.4
arbon Tetrachloride	U	5.00	U		30.5	υ	30.5	U	29.4	108000		58800
Benzene	υ	5.00	5610	L	30.5	163	30.5	1720	294	U		29.4
richloroethene	U	5.00	U		30.5	υ	30.5	U	29.4	υ		29.4
.2-Dichloropropane	U	5.00	Ŭ		30.5	U	30.5	U	29.4	υ		29.4
Bromodichioromethane	υ	5.00	ŭ		30.5	U U	30.5	U	294	-		29.4
Dibromomethane	υ	5.00			30.5	Ū	30.5	U	29.4	U		29.4
is-1,3-Dichloropropene	U	5.00	U		30.5	Ŭ	30.5	U	29.4	U		29.4
rans-1,3-Dichloropropene	U	5 00	U		30.5	Ŭ	30.5	U	29.4	U		29.4
1,2-Trichloroethane	υ	5.00	U		30.5	ŭ	30.5	U U	29.4	U		29.4
3-Dichioropropane	U	5 00	U		30.5	Ŭ	30.5	U	29.4	U		29.4
)ibromochloromelhane	U	5 00	U		30.5	Ŭ	30.5	U	29.4	U		29.4
.2-Dibromoethane	U	5.00	U		30.5	Ŭ	30.5	U	29.4	U		29.4
	U	5.00	U		30.5	Ŭ	30.5	U	29.4	U		294
3romoform -Methyl-2-pentanone	U	5 00	U		30.5	ŭ	30.5	8.35	29.4	18000	J	29.4
	U	5.00	361		30.5	Ŭ	30.5	U	29.4	U		29.4
Foluene 2-Hexanone	U	5 00	U		30.5	Ŭ	30 5	U	29.4	492	ر ۲	29.4
etrachloroethene	U	5 00	U		30.5	Ŭ	30.5	U	29 4	38.0	J	29,4
Chiorobenzene	U	5.00	U		30.5	ŭ	30.5	U	29.4	U		294
,1,1,2-Tetrachloroethane	U	5 00	U		30.5	Ŭ	30.5	U	29.4	3400		294
thyibenzene	U	5.00	U		61.0	Ŭ	61.0	U	58.8	15500		294
	U	10. 0	19.9	1	30.5	ŭ	30.5	U	29.4	3480		
&m-Xylene	U	5.00	U		30.5	Ŭ	30.5	U	29.4	U		29.4
-Xylene	U	5 00	U		30.5	Ŭ	30.5	U	29.4	309	J	29.4
ityrene	U	5.00	U		30.5 30.5	U	30.5	U	29.4	93.0	J	29.4
sopropylbenzene .1.2.2-Telrachloroethane	U	5.00	U			υ	30.5	U	29.4	U		29.4
	U	5 00	U		30.5	υ	30.5	U	29.4	316	J	29.4
,2,3-Trichloropropane	U	5.00	U		30.5	Ŭ	30.5	. U	29.4	U		29.4
-Propylbenzene	U	5.00	U		30.5	U	30 5	U	29.4	5 58	1	29 4
romobenzene	U	5 00	U		30 5		30 5	U	29.4	U		29.4
3.5-Thmethylbenzene	Ū	5 00	U		. 30.5	U	30.5	Ū	29 4	U		29.4
-Chiorotoluene	Ŭ	5 00	U		30.5	U	30.5	ŭ	29.4	U		29.4
Chlorotoluene	Ŭ	5 00	υ		30.5	U	30.5	ŭ	294	1550		2 94
ert-Butylbenzene	Ű	5 00	U		30 5	U		Ŭ	29.4	U		29.4
.2,4-Trimelhylbenzene	U	5 00	U		30.5	U	30.5	U	29.4	266	J	29.4
ec-Butyibenzene	ŭ	5 00	U		30.5	υ	30.5		29.4	25.5	J	29.4
-I sopropyitoluene		5.00	Ū		30.5	U	30 5	U	29.4	337	J	29.4
3-Dichlorobenzene	U	5.00	911	J	30.5	U	30.5	U	29.4	U		29 4
4-Dichlorobenzene	U	5 00	U U		30.5	U	30 5	U		1150		294
Butylbenzene	U		53 0		30 5	U	30 5	U	29.4			29.4
2 Dicniorobenzene	U	5.00			30.5	Ĵ	30 5	U	29.4	U	,	29.4
2-Dibromo-3-chioropropane	U	5 00	U L		30.5	Ŭ	30.5	U	29.4	111	J	
2,4-Trichlorobenzene	· ·	5 00	U		;30.5 :30.5	Ű	30 5	U	29.4	U		29.4
exachlorobutadiene	U	5 00	U			u u	30.5	u	20.4	122	J	29.4
laphihaiene	ن:	5 3 3	U		;30 5 ;30 5	U U	30 5	u	29.4	U		29 4
ann in altente		5.00	U			4.4		-				

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Sample No	Soil Blan	nk B 082706-3		23880 8013-9	
Location		1		5	
Dilution Factor Percent Solids		100		84	
			Decult	RL	
	Result	RL	Result µg/kg	µg/	
Analyte	µg/kg	µg/kg	party		
	U	5.00	U	29.	
Dichlorodifuoromethane	U	5.00	U	29.	
Chloromethane	U	5.00	U	29.	
Vinyt Chloride	Ŭ	5.00	U	29.	
Bromomelhane	Ŭ	5.00	U	29.	
Chloroethane	Ŭ	5.00	U	29.	
Trichlorofluoromelhane	7.52	J 20.0	84.2	11	
Acetone	U	5.00	U	29.	
1,1-Dichloroethene	Ŭ	5.00	U	29.	
Methylene Chloride	Ŭ	5.00	υ	29.	
Carbon Disulfide	Ŭ	5.00	υ	29.	
Methyl-t-bulyl Ether	Ŭ	5.00	U	29.	
trans-1,2-Dichloroethene	ŭ	5.00	U	29.	
1,1-Dichloroethane	ŭ	5.00	U	29.	
2-Butanone	Ŭ	5.00	U	29.	
2,2-Dichloropropane	Ũ	5.00	U	29.	
cis-1,2-Dichloroethene	ŭ	5.00	υ	29.	
Chloroform	ũ	5.00	U	29	
1,1-Dichloropropene	Ū	5.00	U	29	
1,2-Dichloroethane 1,1,1-Trichloroethane	U	5.00	66.5	J 29. 29.	
Carbon Tetrachloride	U	5.00	U	29.	
Benzene	U	5.00	0	J 29.	
Trichloroethene	U	5.00	161	29.	
1.2-Dichloropropane	U	5.00	U U	29.	
Bromodichloromethane	U	5.00	U	29	
Dibromomethane	U	5.00	υ	29.	
cis-1.3-Dichloropropene	U	5.00 5.00	ŭ	29	
trans-1,3-Dichloropropene	U	5.00	ŭ	29	
1,1,2-Trichloroethane	U	5.00	ŭ	29	
1,3-Dichloropropane	U	5.00	Ū	29	
Dibromochloromethane	UU	5.00	Ŭ	29.	
1,2-Dibromoethane	U	5.00	υ	29.	
Bromoform	U	5.00	Ū	29.	
4-Methyl-2-pentanone	Ŭ	5.00	23.5	J 29.	
Toluene	Ŭ	5.00	U	29.	
2-Hexanone	Ŭ	5.00	U	29.	
Tetrachloroethene	Ŭ	5.00	U	29.	
Chlorobenzene	Ŭ	5.00	U	29.	
1,1,1,2-Tetrachloroethane	Ŭ	5.00	U	29.	
Ethylbenzene	ŭ	10.0	21.0	J 59.	
p&m-Xylene	ŭ	5 00	8.69	J 29.	
o-Xylene	Ū	5.00	U	29.	
Styrene Iscoronyibe0ze0e	U	5.00	U	29. 29.	
Isopropyibenzene 1,1,2,2-Tetrachloroethane	U	5.00	U	29.	
1,2,3-Trichloropropane	υ	5.00	U 	29.	
n-Propyibenzene	U	5.00	U.	29.	
Bromobenzene	U	5 00	U	29.	
1,3,5-Tnmethylbenzene	U	5.00	U U	29.	
2-Chlorotokuene	U	5 00	U	29.	
4-Chiorotoluene	U	5.00	U	29	
tert-Butyibenzene	U	5.00	υ	29.	
1,2,4-Trimethylbenzene	U	5.00	U	29.	
sec-Buty/benzene	U	5.00	U	29	
p-Isopropyltoluene	U	5 0 0 5 0 0	U	29	
1.3-Dichlorabenzene	U		u	29	
1.4-Dichiorobenzene	U	5.0 0	U	29.	
n-Bulyibenzene	U	5 0 0 5 00	u	29.	
1.2-Dichlorcbenzene	U	5.00	U U	29	
1.2-Dibromo-3-chloropropane	U	5.CO 5.00	U	29	
1.2.4-Trichlorobenzene	U	5 00	Ű	29	
Hexachlorobutadiene	U	5 00	ບ ບ	29.	
Naphthalene	U		د. ر.	29	
1 2.3 Trichlorobenzene	U	5 00	<u> </u>		

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Method: REAC SOP 1807

00393 00394 004398 Soil Blank B 082806-2 SB021-15 SB021-13 Sample No SB021-15A 5 5 Location ;S 82 82 Dilution Factor 60 100 Percent Solids RL Result RL Result RL RL Result µg/kg Result µg/kg µg/kg ug/kg µg/kg µg/kg µg/kg µg/kg Analyte 30.5 υ 30.5 27.8 υ υ 5.00 30.5 U υ Dichlorodifluoromethane 30.5 27.8 υ 5.00 υ 30.5 υ υ 30.5 Chloromethane 27.8 υ υ 5.00 30.5 υ υ 30.5 υ Vinyl Chloride 27.8 υ υ 5 00 30.5 υ 30.5 Bromomethane U υ 27.8 5.00 30.5 U υ 30.5 Chloroethane 27.8 U υ Ū 5.00 122 53.0 J Trichlorofluoromethane 122 111 43.8 U U 20.0 30.5 J 30.5 14.8 10.5 ł Acetone 27.8 J 10.8 υ 5.00 30.**5** Ł 30.5 110 1,1-Dichloroethene 27.8 υ 5.00 ы 30.5 υ Methylene Chloride 30.5 u 27.8 11 5.00 u 30.5 u 30.5 U. Carbon Disulfide 27.8 U 5.00 u 30.5 U 30.5 υ Methyl-I-bulyl Ether 27.8 U. 5.00 U 30.**5** υ υ 30.5 trans-1,2-Dichloroethene 27.8 U1 υ 5.00 30.5 υ υ 30.5 1,1-Dichloroethane 27.8 0 U 5.00 30.5 υ υ 30.5 U 2-Butanone 27.8 U. 5.00 30.5 υ υ 30.5 2,2-Dichloropropane U. 27.8 5.00 υ 30.5 υ u 30.5 cis-1,2-Dichloroethene u 27.8 5.00 υ 30.5 υ υ 30.5 Chloroform U 27.8 u 5.00 30.5 υ 30.5 υ U. 1,1-Dichloropropene 27.8 υ 5.00 30.5 υ 2890 ł 30.5 1,2-Dichloroethane 1170 27.8 804 5.00 30.**5** υ υ 30.5 1,1,1-Trichloroethane υ 27.8 υ 5.00 υ Uł. 30.5 30.5 Carbon Tetrachloride 27.8 υ u 5.00 30.5 υ 4950 J 305 27.8 1700 ł Benzene 971 5.00 30.5 υ υ 30.5 υ Trichloroethene 27.8 u 5.00 30.5 υ υ 30.5 1.2-Dichloropropane υ 27.8 5.00 U 30.5 Bromodichloromethane υ 30.5 υ u 27.8 5.00 U 30.5 U u Dibromomethane 30.5 27.8 U1 U 5.00 30.5 υ 30.5 U. cis-1,3-Dichloropropene U 27.B 5.00 Ð 30.5 trans-1,3-Dichloropropene υ 30.5 11.1 1 27.8 U1 5.00 υ 30.5 υ U 30.5 1,1,2-Trichloroethane u 27.8 5.00 U 30.**5** υ υ 30.5 1.3-Dichloropropane 27.8 U. 5.00 U 30.5 Dibromochloromethane υ υ 30.5 27.8 u 5.00 u 30.5 u 30.5 υ 1,2-Dibromoethane U 27.8 U. 5.00 30.5 U 11 30.5 Bromoform 27.8 u 5.00 11 30.5 U 30.5 56.9 4-Methyl-2-pentanone л 27.8 10.4 5.00 υ 30.5 υ 30.5 U. 27.8 u Toluene 5.00 U 30.5 υ 30.5 U u 2-Hexanone 27.8 υ 5.00 30.5 u 30,5 u υ Tetrachioroethene 27.8 υ 5.00 30.5 υ 30.5 U Chiorobenzene U 27.8 υ 5.00 30.5 υ 7.93 1,1,1,2-Tetrachloroethane 30.5 J U 27.8 υ 5 00 61.0 υ 44.2 61.0 U Ethylbenzene U 55.6 10.0 30.5 υ L 30.5 12.4 p&m-Xylene 27.8 υ U υ 5.00 30.5 υ 30.5 υ o-Xylene υ 27.8 υ 5 00 30.5 υ 30.5 υ Styrene 27.8 υ 5.00 30.5 υ U 30 5 Isopropyibenzene U 27.8 υ 5 00 30.5 υ 1,1,2,2-Tetrachloroethane U υ 30.5 27.8 υ 5 00 30.5 υ u 1,2,3-Trichloropropane 30.5 U 27.8 U 5 00 3**0 5** υ 30.5 U υ n-Propylbenzene 27 8 U 5 00 30.5 U 30.5 υ Bromobenzana 27.8 U 5.00 U 30.5 U U 30.5 1,3,5- frimethylbenzene 27.8 U 5 00 U 30.**5** U 30.5 υ 2-Chlorotoluene 27.8 U 5 OO U 30.5 u U 30.**5** 4-Chlorotoluene 27 8 υ 5 00 υ 30.5 U 30.5 U U tert-Butylbenzene 27.8 U 5.00 30 5 U U 1,2,4-Trimethylbenzene 30.5 U U 27 8 5 0**0** υ 30.5 υ 30.5 sec-Butylbenzene U 278 υ 5.00 U 30.5 U 30.5 p-isopropyltoluene υ 7.8 J 5.00 30 5 υ 30.5 U 1,3-Dichlorobenzene U 78 5 0**0** J 30 5 U 30.5 U. 1,4-Dichiorobenzene :7.8 U 5 00 4 30 5 U 30.5 56 0 n-Bulyibenzene 278 24.5 L 5 00 8 4 4 1 30.5 U U 30.5 1.2-Dichlorobenzene 27.8 u U) 5 00 30.5 U υ 1.2-Dibromo-3-chioropropane 30.5 132 4 27.8 IJ 5 00 30.5 υ 30.5 υ 12.4-Inchlorobenzene 2.7 8 u U 5 00 30 5 υ 30.5 527 Hexachiorobuladiene 171 2'' 8 5-00 5 20 **5** U 30 5 u Naphthatene 2'3 J 5 00 ζ U 1,2,3-Trichlorobenzene

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Method: REAC SOP 1807 00396 00624 00392 23888 SB022-11.5 Soil Blank B 082806-2 SB022-4.5 SB026-15 Sample No SB019-17.5 5 5 5 Location 5 81 86 83 Dilution Factor 80 100 Percent Solids RL Result RL RL Result Result RL µg/kg Result µg/kg RL µg/kg Result µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg 30.9 Analyte υ 29.1 υ 30.1 υ 31.3 30.9 U υ 5.00 29.1 υ υ Dichlorodifluoromethane υ 30.1 30.9 31.3 υ υ 5.00 29.1 υ υ 30.1 υ Chloromethane U 31.3 U 30.9 5.00 29.1 υ υ 30,1 Vinyl Chloride υ 31.3 30.9 υ U 5.00 29.1 U υ 30.1 υ Bromomethane 31.3 30.9 u u 5.00 29.1 υ υ 30.1 Chloroethane 31.3 U 123 J 5.00 u 116 62.4 U 120 U Trichlorofluoromethane υ 125 30.9 20.5 J 20.0 u 29.1 υ U 7 65 J 30.1 30.9 Acetone 31.3 u 98.0 J 5.00 29.1 U U 30.1 1,1-Dichloroethene υ 31.3 30.9 u U 5.00 29.1 υ 30.1 υ Methylene Chloride υ 31.3 30.9 υ υ 5.00 29.1 υ U 30.1 Carbon Disulfide υ 31.3 30.9 5.00 υ 29.1 υ υ υ 30.1 Methyl-t-butyl Ether 31.3 U 30.9 υ υ 5.00 29.1 υ υ 30.1 trans-1,2-Dichloroethene υ 31.3 30.9 υ υ 5.00 29.1 υ υ 1,1-Dichloroethane υ 30.1 30.9 31.3 υ υ 5.00 29.1 υ υ υ 30.1 31.3 30.9 2-Butanone υ υ 5 00 29.1 υ υ 30.1 υ 2,2-Dichloropropane 31.3 30.9 υ υ 5.00 29.1 υ υ 30,1 cis-1,2-Dichloroethene υ 30.9 31.3 υ υ 5.00 29.1 υ U 30.1 U Chioroform 31.3 30.9 U U 5.00 U υ 29.1 U 30.1 1,1-Dichloropropene 31.3 617 55500 J υ υ 5.00 49.0 29.1 30.1 739 1,2-Dichloroethane 31.3 30.9 294 υ U 5.00 29.1 U 1, 1, 1-Trichloroethane 30.1 υ 30.9 31.3 υ υ 5.00 29.1 U 30.1 υ Carbon Tetrachloride υ 617 31.3 20500 5.00 υ 29.1 υ 36.**3** 30.1 851 31.3 30.9 Benzene 81.8 υ 5.00 29.1 υ υ 30.1 υ Trichloroethene 30.9 31.3 υ υ 5.00 29.1 υ υ 30.1 υ 1,2-Dichloropropane 30.9 31 3 υ υ 5.00 29.1 υ υ 30.1 υ Bromodichloromethane 30.9 31.3 υ U 5.00 29.1 υ U 30.1 υ Dibromomethane 30.9 υ 31.3 υ 29.1 5.00 υ υ 30.1 cis-1,3-Dichloropropene υ 30.9 31.3 υ 147 J 5.00 29.1 υ 30.1 U trans-1,3-Dichloropropene υ 31.3 30.9 5.00 υ 29.1 υ U U 30.1 1.1.2-Trichloroethane 31.3 υ 30.9 υ υ 5.00 29.1 υ υ 30.1 1.3 Dichloropropane 31.3 υ 30.9 υ υ 5.00 29.1 υ υ 30.1 υ Dibromochloromethane 30.9 31.3 υ υ 5.00 29.1 υ υ 30.1 υ 1,2-Dibromoethane 31.3 30.9 5.00 υ 29.1 U υ u 30.1 υ 31.3 30.9 Bromoform 5.00 υ 49.9 J 29.1 υ υ 30.1 υ 4-Methyl-2-pentanone 31.3 30.**9** U U 5.00 29.1 υ υ 30.1 υ 31.3 30.9 J Toluene 5.00 u 29.1 32.3 υ 30.1 υ υ 30.9 2-Hexanone 31.3 U u 5.00 29.1 υ 30.1 υ υ Tetrachloroethene 31.3 30.9 υ 10.0 J 5.00 29.1 υ υ 30.1 Chiorobenzene 31.3 υ 30.9 υ 25.4 J 29.1 5.00 υ U 30.1 1,1,1,2-Tetrachloroethane υ 31.3 617 υ 141 J 5.00 58.1 υ υ 60.2 υ Ethylbenzene 62.5 30.9 υ 56.2 J 10.0 29.1 υ J υ 30.1 p&m-Xylene 3**0,9** 31.3 υ 29.1 U 5.00 υ u 30.1 υ 31.3 30.9 o-Xylene 5.00 υ 29.1 9.01 J υ υ 30.1 υ 31.3 30.9 Styrene u υ 5.00 29.1 υ 30.1 υ υ Isopropylbenzene 31.3 30.9 5.00 υ 29.1 υ 1,1,2,2-Tetrachlomethane υ 30.1 υ 31.3 υ 30.9 J u 36.4 5 00 29.1 υ U 30.1 1.2.3-Trichloropropane υ 313 30.9 υ U. 5.00 29.1 υ U 30.1 n-Propylbenzene 313 IJ 30.9 £ u 54.3 5 00 29.1 U υ 30,1 Bromobenzene 31.3 υ 30.9 υ υ 5.00 29.1 υ U 1,3,5-Trimethylbenzene 30.1 υ 313 30 9 υ U 5.00 29.1 U υ 30.1 U 2-Chiorotoluene 31 3 30.9 5 00 υ 29.1 υ υ U 30.1 4-Chlorotoluene U 31.3 30.9 5.00 υ 2**99** Ъ 29.1 υ υ 30.1 ert-Butylbenzene υ 31.3 υ J 30.9 5 00 8.27 29.1 U U 30.1 U 1.2.4-Trimethylbenzene 31 3 U 14.5 J 30.9 5 00 υ U 291 30.1 sec-Bulyibenzene 313 υ 10.9 U υ 5.00 29.1 υ U 30.1 p-isopropyitoluene U 313 30.9 U J 5.00 29.1 32.3 u U 30.1 1.3-Dichlorobenzene 313 11 30.9 U 5.00 29.1 u u 1.4-Dichlorobenzene 30.1 U 313 U 30.9 5.0**0** U 29.1 221 J u U 30.1 n-Butylbenzene 313 3 25 30.9 5 00 11 29.1 υ ú υ 30.1 1,2-Dichlorobenzene 313 U U 650 J. 30.9 5 00 29.1 υ J 1.2-Dipromo-3-chioroproplane 198 ł 30.1 313 30.9 u 5.00 U U υ 29.1 30.1 1.2.4 Trichloroberzene U υ 513 2320 517 5 00 29.1 U 30.1 U Hexachierobutadiene 313 U. 30.9 U 5.00 29.1 239 4 J U

313

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Naphihulene

1,2 3-Therlorsbenzene

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Sample No	Soil Blan	k 8 082406-			399 2-13.5
Location Dilution Factor		1	7		2~13.5 5
Percent Solids		100			J 14
	Result	. ?L	Resul	1	RL
Analyte	μg/kg	µy/kg	µg/kg	• • • •	µg/kg
Dichlorodifluoromethane	U	500	υ		29.8
Chloromethane	Ŭ	5,00	Ŭ		29.8
Vinyl Chloride	ŭ	5,00	ŭ		29.8
Bromomethane	Ŭ	5.00	Ū		29.8
Chloroethane	ŭ	5,00	Ŭ		29.8
Trichlorofluoromethane	Ŭ	5,00	υ		29.8
Acetone	U	20.0	43	J	119
1,1-Dichloroethene	U	5.10	97700	J	29.8
Methylene Chloride	U	5.00	10100		2980
Carbon Disulfide	U	5.40	U		29.8
Methyl-Houtyl Ether	U	5.40	U		29.8
trans-1,2-Dichloroethene	U	5.00	U		29.8
1,1-Dichloroethane	U	5.00	987		29.8
2-Butanone	U	5.CD	U		29.8
2,2-Dichloropropane	U	5.00	U		29.8
cis-1,2-Dichloroethene	U	5.00	1050		29. 8
Chloroform	U	5.00	1230	J	29.8
1,1-Dichloropropene	U	5.00	U		29.8
1.2-Dichloroethane	U	5.00	U		29.8
1,1,1-Trichforoethane	U	5.00	200000		59500
Carbon Tetrachloride	U	5.00	U 155		29.8 29.8
Benzene	U U	5.00 5.00	107000		29.8
Trichloroethene	U U	5.00	U		29.8
1,2-Dichloropropane	U	5.00	Ŭ		29.8
Bromodichloromethane Dibromomethane	U	5.00	ŭ		29.8
	ŭ	5.00	ŭ		29.8
cis-1,3-Dichloropropene trans-1,3-Dichloropropene	Ŭ	5.00	ŭ		29.8
1,1,2-Trichloroethane	ŭ	5.00	10900	L	29.8
1.3-Dichloropropane	Ŭ	5 00	U		29.8
Dibromochloromethane	Ŭ	5.00	Ū		29.8
1,2-Dibromoethane	Ū	5.00	U		29.8
Bromolorm	U	5.00	U		29.8
4-Methyl-2-pentanone	U	5.00	128		29.8
Toluene	U	5 00	6210	J	29.8
2-Hexanone	U	5 00	U		29.8
Tetrachioroethene	U	5.00		L,	29.8
Chlorobenzene	U	5.00	49.5		29.8
1,1,1,2-Tetrachloroethane	U U	5.00	897		29.8
Ethylbenzene	U 	5.00	1210	1	29.8
p&m-Xylene	U	100		.1	59.5
o-Xylene	U	5.00		•	298 308
Styrene	U U	5 00 5.00	U 230		29.8 29.8
Isopropylbenzene	u U	5.00	230 20 5		29.8 29.8
1,1,2,2-Tetrachloroethane		5.00	205 U		29.8
1.2.3-Trichloropropane	u u	5.00	458		29.8
n-Propylbenzene					
Bromubenzene	U U	5 00 5 00	494		29.8 29.8
1,3,5-Trimethylbenzene		5 00	494 U		29.8
2-Chlorotoluene	บ บ	5 00	U U		29.8
Chlorololuene	U U	5.00	U		298
ert-Butylbenzene	U	5.00	19 50 J		29.8
2.4-Trimethylbenzene	U U	500	471		29.8
ec-Butylbenzene	U	5 00	77 0		29.8
-Isopropyltoluene	U	500	22 0 J		298
3-Dichlorobenzene	ບ ປ	5.00	102 J		29.8
+Dichlorobenzene					
Butylbenzene	U	500	U 605		298
2-Dichlorobenzene	0	5.00	505		298
2 Dibromo-3-chioropropane	U	5 00	U 10		208
2 4-Trichlorobenzene	U		468		298
exachiorobulad:ene	U	5 00	U .		29.8
iphthaiene 2 3-Tachloropenzerie	ں د		4770 J 113		29 8 29 8

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ample Nu	Soil Blank E	003006-1	238 SB01	5-20'	
ocation /	1		5		
Hulton Factor	10		8	5	
Percent Solids			Decult	RL	
	Result	RL µg/kg	Result µg/kg	µg/kg	
Analyte	µg/kg	19119			
the second ball	U	5.00	U	29,4	
)ichlorodifluoromethane	Ŭ	5.00	U	29.4	
Chloromethane	U	5.00	U	29.4 29.4	
/inyl Chloride 3romomethane	U	5.00	U	29.4	
chloroethane	U	5.00	U U	29.4	
richlorofluoromethane	U	5.00 20.0	Ŭ	118	
Acetone	U	5.00	ŭ	29.4	
1-Dichloroethene	U U	5.00	9.12 J	29.4	
Nethylene Chloride	U	5.00	U	29.4	
Carbon Disulfide	Ŭ	5.00	U	29.4	
Aethyl-Loutyt Ether	ŭ	5.00	U	29.4	
rans-1,2-Dichloroethene	Ŭ	5.00	U	29.4	
1-Dichloroethane	Ŭ	5.00	U	29.4 29.4	
2-Butanone 2-Dichloropropane	U	5.00	U U	29.4	•
is-1,2-Dichloroethene	U	5.00	U	29.4	
hlorofam	U	5.00	Ŭ	29.4	
,1-Dichloropropene	U	5.00	Ŭ	29.4	
2-Dichloroelhane	U U	5.00	347	29.4	
1,1-Trichloroethane	Ū	5.00	U	29.4	
arbon Tetrachloride	ŭ	5.00	U	29.4	
	ŭ	5.00	134	29.4 29.4	
richloroethene ,2-Dichloropropane	U	5.00	U	29.4	
2-Dichloromethane	U	5.00	U U	29.4	
bromomethane	U	5.00 5.00	υ	29.4	
s-1.3 Dichloropropene	U	5.00	มี	29.4	
ans-1,3-Dichloropropene	U U	5.00	ŭ	29.4	
,1,2-Tachloroethane	u u	5.00	U	29.4	
3 Dichloropropane	U U	5.00	U	29 4	
Dibromochloromethane	ū	5 00	U	29.4 29.4	
2-Dibromoethane Bromoform	u	5.00	U	29.4	
-Methyl-2-pentanone	U	5.00	u u	29.4	
oluene	U	5 D0 5 00	U	29.4	
Hexanone	U	5.00	υ	29.4	
etrachloroethene	0	5.00	Ŭ	29 4	
chlorobenzene	U U	5.00	Ū	29.4	
1,1,2 Tetrachloroethane	U U	5 00	U	29.4	
thylbenzene	ŭ	10.0	U	58 8	
Sm-Xylene	Ū	5.00	U	29.4 29.4	
p-Xylene	υ	5 00	U	29.4	
Styrene sopropylbenzene	U	5 00	u u	29.4	
1.2 2-Tetrachioroethane	U	5.00 5.00	ŭ	29.4	
2.3-Trichloropropane	U	5 00	Ŭ	29.4	
Propribenzene	U N	5 00	ŭ	29 4	
ramabenzene	U	5 00	U	29.4	
3.5-Trimethylbenzene	Ŭ	5 00	u	29.4	
Chlorotoluene	U	5 00	U	29.4	
Chlorotoluene	ũ	5 00	U	29 4	
rt Bulyibenzene	ū	5 00	U	29 4	
2.4 Famelhylbenzene	Ū	5 00	U	29.4	
ec-Bulyibenzene	÷	5 00	U	29 4 29 4	
-Isopropyiloluene 3-Dichlorobenzerie	U	5 00	U 	29 4 29 4	
4-Dichlorobenzene	U	5 00	U	29 4 29 4	
Huyicenzene	U.	5.00	U	29 4 29 4	
2-Dichlorobenzene	U	5 00		20.4	
2 Dibromo 3-chloropropane	U	5 30	u ,	25 4	
2 4 Tachiorobenzine	: 1	5.00	ل رت	29.4	
example of a but a diene	J.	5.00	ر: ر	23.4	
han It siene	L	500		29.4	
2 3. Tichiur, beilene	ر	5 0-0	ز		

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Method: REAC SOP 1807

00391 23894 04628 SB028-17.5 MeOH Blank B 090506-2 SB023-20 Sample No SB(23-16 1000 100 10,000 Location 50 82 80 Dilution Factor 14 100 Percent Solids RL Result RL Result RL RL Result µg/kg Resuit µg/kg µg/kg µg/kg ug/kg µg/kg µg/kg ug/kg Analyte 6100 υ 625 595000 U U 250 6100 u 625 U Dichlorodifluoromethane 595000 U 250 U 6100 U υ 625 U 595000 Chloromethane U 6100 250 υ U 625 υ Vinyl Chloride 595000 υ 6100 250 U υ 625 Bromomethane υ 595000 υ 6100 250 U 625 U υ Chloroethane 595000 U 24400 250 u U 2500 Trichlorofluoromethane U 2380000 υ 6100 1000 8350 υ 625 U 595000 Acetone 250 υ 6100 U U 625 1.1-Dichloroethene 165 J 595000 250 u 6100 U υ 625 Methylene Chloride U 595000 250 U 6100 υ υ 625 υ 595000 Carbon Disulfide U 6100 250 υ 625 υ Methyl-t-butyl Ether 595000 U. υ 6100 250 1800 J υ 625 Irans-1,2-Dichloroethene 595000 u U 6100 250 υ υ 625 1,1-Djchloroethane 595000 U υ 6100 250 U υ 625 595000 u 2-Butanone υ 610**0** 250 U 625 U 595000 ù. 2,2-Dichloropropane 250 U 6100 U 625 U cis-1,2-Dichloroethene 595000 U. 250 υ 6100 υ u 625 595000 u Chloroform U 6100 250 625 υ U 1,1-Dichloropropene 595000 U U 61000 250 811000 υ 625 1190000 12800 1,2-Dichloroethane 23600000 6100 250 υ 625 U 1,1,1-Trichloroethane 595000 U ں ر 6100 250 U 625 U Carbon Tetrachloride 595000 U 11 6100 250 4760 J υ 625 2540 595000 Benzene 13000000 6100 250 υ 625 U 595000 u Trichloroethene ď 6100 250 υ 625 U 595000 u 1,2-Dichloropropane 250 U 6100 U υ 625 Bromodichloromethane 595000 u 250 U Ū 6100 υ 62**5** Dibromomethane 595000 υ υ 6100 250 U υ 62**5** cis-1,3-Dichloropropene 595000 u U 6100 250 u υ 625 trans-1,3-Dichloropropene 595000 υ U 6100 250 U 625 U 1,1,2-Trichloroethane 595000 u υ 6100 250 υ 62**5** U 1.3-Dichloropropane 595000 υ υ 6100 250 υ U 625 Dibromochloromethane 595000 U υ 6100 250 υ U 625 1,2-Dibromoethane 595000 υ U 6100 250 U υ 625 595000 U Bromoform 250 U ū 6100 υ 62**5** u 595000 4-Methyl-2-pentanone 250 U U 6100 U 625 υ 595000 Toluene 250 u 6100 υ U u 625 595000 2-Hexanone υ 250 6100 υ U U 625 Tetrachloroethene 595000 U 6100 250 υ υ 625 U Chlorobenzene 595000 υ 6100 250 U υ 625 1.1.1.2-Tetrachloroethane υ 595000 υ 12200 250 U U 1250 υ Ethylbenzene υ 1190000 6100 500 υ U 625 υ 595000 p&m-Xylene υ 6100 υ 250 υ 625 υ 595000 o-Xylene υ 6100 250 U υ 62**5** υ 595000 Styrene υ 6100 250 υ υ 625 U 595000 isopropylbenzene υ 6100 250 υ υ 625 1,1,2,2-Tetrachloroethane υ 595000 U 6100 250 υ υ υ 625 595000 1.2.3-Trichloropropane υ 250 6100 υ υ 625 υ n-Propylbenzene -595000 U 250 6100 υ υ 625 Bromobenzene U υ 595000 250 6100 υ υ 625 1,3,5- Frimethylbenzene 595000 U 25**0** U 6100 U υ 62**5** 595000 υ 2-Chlorotoluene 250 υ 6100 U υ 625 95000ز 4-Chlorotoluene υ 25**0** U 6100 υ U 625 υ ert-Butyibenzene j95000 ú 250 610**0** U U 625 1,2,4-Trimethylbenzene υ 39500**0** U 250 6100 U U 625 υ sec-Butyibenzene 95000 U 6100 250 U U 625 95000 υ p-isopropyitoluene U 6100 250 υ U 625 595000 U 1.3-Dichlorobenzene υ 250 6100 U υ 625 1.4-Dichlorobenzene 595000 J υ 250 6100 U 62**5** U 595000 U n-Bulyibenzene 250 ú 6100 U J 62**5** 1.2-Dichlorobenzene 595000 υ U 250 6100 U J 625 1.2-Dioramo-3-chioropropane 5,25000 U 250 J 5100 U J 625 1.2.4 Inchioroberzene U 5,35000 ر 6100 250 U J 625 Hexachlorobutadiene J 5 15000 J 250 6100 U U 625 Naphthalene 51:5000 ن 250 j, U 1.2.3-Inchiorobenz-ne

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Method: REAC SOP 1807

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19167 MeOH Blank A 082706-1 Sample No: SB005-20 500 Location: 50 Dilution Factor 82 100 Percent Solids RL Result RL Result µg/Kg µg/L µg/Kg μgΛ Analyte 3050 υ 250 U Dichlorodifluoromethane 30**50** U 250 υ Chioromethane 30**50** 250 u U Vinyl Chloride 3050 250 υ U 30**50** Bromomethane υ 250 υ Chioroethane 3050 υ 250 υ Trichlorofluoromethane 12200 U 1000 U 3050 Acetone 1320 J 250 υ 1,1-Dichloroethene 3050 υ 250 υ Methylene Chloride υ 3050 250 υ Carbon Disuifide 3050 U υ 250 3050 Methyl-t-bulyl Ether υ 250 U trans-1,2-Dichloroethene 3050 υ 250 U 3050 1,1-Dichloroelhane υ 250 υ 2-Butanone 3050 υ 250 u 2,2-Dichloropropane 3050 u 250 υ cis-1,2-Dichloroethene 3050 υ 2**50** U Chloroform 3050 250 υ υ 1,1-Dichloropropene 3050 u 250 U 1.2-Dichloroethane 61000 580000 J 250 U 1,1,1-Trichloroethane 3050 2**50** U υ Carbon Tetrachloride 3050 υ 250 U 3050 Benzene 1040 1 250 υ Trichloroethene 3050 U 250 U 1.2-Dichloropropane 3050 υ 2**50** U Bromodichloromethane 3050 υ 2**50** υ Dibromomethane 3050 υ 250 U 3050 cis-1,3-Dichloropropene υ 250 U trans-1,3-Dichloropropene 3050 υ 250 υ 1,1,2-Trichloroethane 3050 υ 250 υ 1.3-Dichloropropane 3050 υ 25**0** u Dibromochloromethane 3050 υ Ū 250 1,2-Dibromoethane 3050 υ u 250 3050 Bromoform υ 250 u 4-Methyl-2-pentanone 3050 υ Ū 250 Toluene 3050 υ 250 u 2-Hexanone υ 3050 250 υ Tetrachloroethene 3050 υ 250 u Chlorobenzene u 3050 250 U 1,1,1,2-Tetrachloroethane 3050 U 250 υ Ethylbenzene 6100 υ 50**0** U p&m-Xylene 3050 U 250 υ 3050 o-Xylena υ **250** U 3050 Styrene υ 250 υ sopropyibenzene 3050 U 250 υ 1,1,2,2-Tetrachloroethane U 3050 250 υ 1.2.3-Trichloropropane 3050 υ 250 U 3050 n-Propylbenzene U 250 U 3050 Bromobenzene υ 250 υ 1,3,5-Trimethylbenzene υ 3050 250 υ 2-Chiorotoluene 3050 U 250 υ 4-Chiorotoluene 3050 υ 250 U tert-Butylbenzene 3050 U 250 υ 1.2.4-Trimethylbenzene 3050 υ 250 U sec-Butylbenzene 3050 25**0** υ υ p-isopropyltoluene 3050 υ 250 u 1.3-Dichlcrobenzene 3050 U 250 J 1.4-Dichlorobenzene 3050 250 U U n-Butylbenzene 3050 u 250 U 1.2-Dictiorobenzene 3050 υ 250 U 1.2-Dibromo-3-chioropropane 3050 υ 250

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3050

3050

3050

U

J

J

J.

250

250

250

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U

U

1 2.4 Trichlorobenzene

1 2.3-Thenlorobenzene

Hexachlorobutadiene

Naphthalene

lethod: REAC SOP 1807 ample No: ocation: bilution Factor	MeOH Blank 5 10	0		15136 3007-2 50 65			15139 3008-1 50 82			5140 008-2 500 79		SB00	41 18-25' 0 8
ercent Solids	Result	RL	Result	·•-	RL	Result µg/Kg		RL µg/Kg	Result µg/Kg		RL µg/Kg	Result µg/Kg	RL µg/K
nalyte	μ g/t .	µg/Kg	µg/Kg		ug/Kg	pyrig					2160	. ۲	284
		250	U		294	U		305	U		3160 3160	U	28
ichlorodituoromethane	U U	250	ū		294	U		305	U		3160	ŭ	284
hloromethane	U U	250	U		294	U		305	U		3160	U	284
inyl Chloride	Ŭ	250	U		294	υ		305	UU		3160	U	284
romomethane	Ŭ	250	U		294	U		305	Ŭ		3160	υ	284
hioroethane	Ŭ	250	U		2 94	U		305 1220	1860	J	12700	U	114
richlorofluoromethane	ŭ	1000	178	J	1180	U		305	3210	•	3160	υ	284
cetone	ŭ	250	U		294	145	J	305	Ŭ		3160	U	28
1-Dichloroethene	Ū	250	149	7	294	167	3	305	ũ		3160	U	284
lethylene Chlonde	Ū	250	υ		294	U		305	Ū		3160	U	28
arbon Disulfide	Ŭ	250	U		294	U U		305	Ū		3160	u	28
lethyl-t-butyl Ether	U	250	U		294	80.5	J	305	1180	J	3160	U	284
ans-1,2-Dichloroethene	U	250	υ		294	U	•	305	U		3160	U	28
1-Dichlorpethane	U	250	U		2 94 2 94	Ŭ		305	U		3160	U	28
Butanone	U	250	U		294 294	Ŭ		305	U		3160	U	28
,2-Dichloropropane is-1,2-Dichloroethene	U	250	U		294 294	ŭ		305	U		3160	U	28- 28-
	u	250	U		294	ŭ		305	U		3160	U	28
hloroform ,1-Dichloropropene	U	250	U		294	ŭ		305	U		3160	U	
2-Dichloroethane	U	250	U		294	3660		305	9 3200		3160		J 28- 28-
1,1-Trichloroethane	U	250	885 U		294	U		30 5	U		3160	U U	28
arbon Tetrachloride	U	250	ŭ		294	U		30 5	U		3160		J 28
enzene	U	250 250	125	J	294	U		305	3360		3160 3160	U .	28
richloroethene	U	250	Ū	-	294	U		305	U		3160	ŭ	28
2-Dichloropropane	U	250	ŭ		294	U		305	U		3160	Ŭ	28
romodichloromethane	U U	250	ũ		294	U		305	U U		3160	Ū	28
ibromomethane	U	250	U		294	U		305	U		3160	Ū	28
is-1,3-Dichloropropene	ŭ	250	U		294	U		305	Ŭ		3160	U	28
ans-1,3-Dichloropropene	Ŭ	250	U		294	U		305 305	ŭ		3160	U	28
1,2-Trichloroethane	Ŭ	250	U		294	U		305 305	U		3160	U	28
3-Dichloropropane	Ŭ	250	U		294	U		305	ŭ		3160	U	28
bromochloromethane	ũ	250	U		294	U		305	Ŭ		3160	U	28
.2-Dibromoethane	Ŭ	250	L)		294	U U		305	U		3160	U	28
	Ŭ	250	U		294 294	U		305	U		3160	U	28- 28-
-Methyl-2-pentanone	U	250	U		294	ŭ		305	U		3160	U	28
oluene -Hexanone	U	250	U		294	Ŭ		305	U		3160	U	28
etrachloroethene	U	250	U U		294	Ū		305	υ		3160	U U	28
hlorobenzene	U	250	U		294	U		305	U		3160	U	28
1,1,2-Tetrachioroethane	U	250 250	Ŭ		294	U		305	U		3160 6330	Ŭ	56
thylbenzene	U	500	ŭ		588	U		610	U		3160	Ŭ	28
&m-Xylene	U	250	บั		294	U		305	U		3160	ŭ	28
Xylene	U U	250	Ū		294	U		305	U U		3160	Ū,	28
tyrene	U	250	U		2 94	U		305	Ŭ		3160	U	28
sopropyibenzene	Ŭ	250	U		2 94	U		305 305	Ŭ		3160	U	28
1,2,2-Tetrachloroethane	Ű	250	U		294	U		305	U		3160	U	28
2.3-Trichloropropane	ŭ	2 50	U		294	U		305 305	ŭ		3160	U	28
-Propyibenzene	Ŭ	250	U		294	U		305	Ŭ		3160	U	28-
romobenzene	Ŭ	250	U		294	U		305	U		3160	U	28
3,5-Trimethylbenzene	Ŭ	250	U		294	U		305	Ŭ		3160	U	28
Chlorotoluene	Ū	250	U		294	U		305	ŭ		3160	U	28-
Chlorotoluene	Ū	250	U		294	U		305	Ū		3160	U	28
n-Butylbenzene	Ū	250	U		294	U		305	Ŭ		3160	U	28
2.4 Trimethylbenzene	U	250	U		294	U		305	Ū		3160	U	284
ec-Butylbenzene	Ŭ	250	υ		294	U		30 5	ŭ		3160	U	28
Isopropyltoluene	Ū.	250	υ		294	U		305	Ū		3160	U	28
3-Dichlorobenzene	ū	250	U		294	U U		305	Ŭ		3160	U	28
4-Dichlorobenzene	 U	250	U		294	U		305	Ū		3160	U	23
-Buty/benzene	Ŭ	250	u		;294	U		305	υ υ		3160	U	284
2-Dichlorobenzene	J.	250	u		;294	0		305	ŭ		3160	J.	284
2-Dibromo-3-chioropropane	J.	250	U		234	U		305	ŭ		3160	U	284
2.4-Thenlorobenzene	ر.	250	U		294	L .		305	U U		3160	U	284
exachlorobutadiene	J J	250	J		204	u		305	ŭ		3160	U	284
aphthalene	J	250	j		-294	L)		202					

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v_1347

Method: REAC SOP 1807

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Sample No:	MeOH Blank	A 082905-1	SBOO		SBO	3718)09-17 :000		
Location:	5	D	50	00		000		
Dilution Factor	10		8	2		81		
Percent Solids								
	Result	RL	Result	RL	Result		RL /Kg	
	µg/L	µg/Kg	µg/Kg	µg/Kg	µg/Kg	p,	11.5	
Analyte				00500	U	30	900	
ill ammathand	υ	250	U	30500	U		900	
Dichlorodiffupromethane	υ	250	U	30500 30500	Ŭ		900	
Chloromethane Vinyl Chloride	υ	250	U	30500	ŭ		900	
Bromomethane	υ	250	U	30500	Ŭ	30	900	
Chioroethane	U	250	U	30500	Ū	30	900	
Trichlorofluoromethane	U	250	U U	122000	ū	12	300 0	
Acetone	U	1000	Ŭ	30500	19300		900	
1,1-Dichloroethene	U	250	Ŭ	30500	R		900	
Methylene Chloride	U	250 250	ŭ	30500	U		900	
Carbon Disulfide	U	250	Ŭ	30500	U		900	
Methyl-t-bulyl Ether	U	250	ŭ	30500	U		900	
trans-1,2-Dichloroethene	U U	250	Ū	30500	U		900	
1,1-Dichloroethane	U	250	U	30500	U		900	
2-Butanone	U	250	U	30500	U		000	
2.2-Dichloropropane	Ŭ	250	U	30500	U		900 900	
cis-1,2-Dichloroethene	Ŭ	250	U	30500	U		900	
Chloroform	Ŭ	250	U	30500	U		900	
1,1-Dichloropropene	Ŭ	250	U	30500	U 19300000		0000	
1.2-Dichloroethane	Ŭ	250	867000	30500	19300000		900	
1,1,1-Trichloroethane Carbon Tetrachloride	U	250	U	30500 30500	ũ	30	900	
Benzene	U	250	U 266000	30500	6830000	154	0000	
Trichloroethene	U	250	266000 U	30500	U	30	900	
1,2-Dichloropropane	U	250 250	ŭ	30500	U		900	
Bromodichloromethane	U	250	ŭ	30500	U		900	
Dibromomethane	U	250	ŭ	30500	U		900	
cis-1,3-Dichloropropene	UU	250	U	30 500	U		900	
trans-1,3-Dichloropropene	ŭ	250	U	30500	8700	-)900)900	
1,1,2-Trichloroethane	Ŭ	250	U	30500	U	-	900	
1.3-Dichloropropane	ŭ	250	U	30500	U		900	
Dibromochloromethane	Ū	250	U	30500	U U		900	
1,2-Dibromoethane	U	250	U	30500	ŭ		900	
Bromoform 4-Methyl-2-pentanone	U	250	U	30500 30500	27500		900	
Toluene	U	250	U	30500	U		900	
2-Hexanone	U	250	U U	30500	ū	30	900	
Tetrachloroethene	U	250	U	30500	U		900	
Chlorobenzene	U	250	ŭ	30500	U		900	
1,1,1,2-Tetrachloroethane	U	250 250	Ŭ	30500	U	-	900	
Ethylbenzene	U	500	Ŭ	61000	U		700	
p&m-Xylene	U	250	Ŭ	30500	U		900	
o-Xylene	U U	250	Ū	30500	U)90 0)900	
Styrene	Ŭ	250	U	30500	U		900	
Isopropyibenzene	Ŭ	250	U	30500	U		900	
1,1,2,2-Tetrachioroethane	Ŭ	250	U	30500	U V		900	
1.2.3-Trichloropropane	Ū	250	U	30500	U		900	
n-Propylbenzene	U	250	U	30500 30500	41200		000	
Bromoben zene 1,3,5-Trimethylbenzene	U	250	U	30500	41200 U		900	
2-Chiorotoluene	U	250	U	30500	Ŭ		900	
4-Chlorotoluene	U	250	U	30500	Ŭ	30	900	
lert-Butyibenzene	U	250	น ช	30500	Ŭ	30	900	
1.2.4-Tomethylbenzene	U	250	U U	30500	Ū		900	
sec-Bulyibenzene	U	250	U	30500	U		900	
p-Isopropyltoluene	U	250 250	U	30500	U		900	
1.3-Dichlorobenzene	U	250	U	30500	U		900	
1.4-Dichlorobenzene	U	250	U	30500	U		900	
n-Butylbenzene	U		U	30500	U		900	
1.2-Dichiorobenzene	U	25 0 250	J	30500	U		900	
1.2-Dibromo-3-chicropropane	U	250	Ű	30500	U		90 0	
1.2.4-Trichlorecenzene	U	250	U	30500	U		900	
Hexachlorobuladiene	u 	250	J	30500	u		500	
Naphthaiene	U	250	J.	30500	U	30	90 0	
1 2,3-Trichlorobenzene	u	250	9					

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Method: REAC SOP 1807

15 42 MeOH Blank A 083006-3 \$8009-12.5 Sample No: SB009-5 2000 Location: 50 50 Dilution Factor 88 82 100 Percent Solids RL Result RI Result RL Result µg/Kg µg/Kg µg/Kg µg/Kg ug/Kg μgΛ Analyte 12200 291 U υ υ 250 Dichlorodifluoromethane 12200 291 U υ 250 υ 12200 Chloromethane 291 υ 250 U u 12200 Vinyl Chloride υ 291 250 u U 12200 Bromomethane υ 291 250 u U 12200 Chloroethane υ 291 u 250 U Trichlorofluoromethane 48800 υ 1160 υ 1000 U 12200 υ 291 Acetone υ 250 υ 12200 1.1-Dichloroethene υ 291 250 υ υ 12200 Methylene Chloride υ 291 250 υ υ Carbon Disulfide υ 12200 υ 291 250 υ Methyl-t-butyl Ether 12200 υ 291 υ 250 U trans-1,2-Dichloroethene 12200 υ 291 υ 250 υ 12200 1,1-Dichloroethane υ 291 υ 250 υ 12200 υ 2-Butanone 291 υ 250 υ 12200 υ 2,2-Dichloropropane 291 υ 250 υ cis-1,2-Dichloroethene 12200 291 υ υ 250 υ 12200 U Chloroform 291 υ υ 250 12200 1 1-Dichloropropene 291 υ υ 250 υ 12200 136000 1.2-Dichloroethane 1640 291 250 U 12200 1,1,1-Trichloroethane 291 υ U 250 u 12200 Carbon Tetrachloride 291 U U 250 υ 12200 86200 Benzene 291 1950 250 υ 12200 Trichloroethene 291 υ υ 250 υ 12200 1,2-Dichloropropane υ 291 U 250 U Bromodichioromethane 12200 υ υ 291 250 υ ú 12200 Dibromomethane 291 υ 250 υ cis-1.3-Dichloropropene 12200 υ υ 291 250 trans-1,3-Dichloropropene υ 12200 υ U 291 250 U 1.1.2 Trichloroethane 12200 υ 291 U 250 U 12200 1.3-Dichloropropane υ 291 U 250 υ Dibromochloromethane 12200 υ 291 υ 250 υ 12200 1.2-Dibromoethane υ 291 υ 250 U 12200 υ Bromoform 291 U 250 υ 4-Methyl-2-pentanone υ 12200 133 J 291 250 υ υ 12200 291 Toluene U **250** U U 12200 2-Hexanone 250 U 291 υ Tetrachloroethene 12200 291 υ 250 U υ 12200 υ Chlorobenzene 291 U 250 U 12200 1,1,1,2-Tetrachloroethane U U1 291 250 υ 24400 υ Ethylbenzene 581 94 2 J 500 υ 12200 υ p&m-Xylene 291 250 U U 12200 o-Xylene 291 U υ 250 υ 12200 Styrene 291 υ 250 U υ 12200 Isopropyloenzene υ 291 U 250 1,1,2.2-Tetrachloroethane U 12200 U 291 250 υ U 1,2,3-Trichloropropane 12200 υ 291 250 U υ 12200 U n-Propylbenzene 291 U 2**50** U υ 12200 Bromobenzene 389 291 250 U 1.3.5-Tomethylbenzene 12200 υ 291 U U 250 12200 2-Chlorototuene υ 291 U 250 υ υ 12200 4-Chiorotoluene 291 υ 250 u 12200 tert-Butylbenzene υ 291 u 250 U 1.2.4-Trimethylbenzene 12200 291 υ 250 U U. 12200 sec-Bulylbenzene 291 U 250 U U. 12200 p-1sopropylioluene 291 υ 250 u U 12200 1.3-Dichlorobenzene υ 291 υ 250 J 1,4-Dichlorobenzene 12200 υ 291 250 U υ 12200 n-Butylbenzene υ υ 291 250 J 1 2-Dicniorobenzene 12200 291 U υ 250 1.2-Dibromo-3-chioropropane ÷J 12200 291 u 220 250 4 U 12200 1 2.4 Trcriorobenzene υ 291 250 U J Hexachlorobutadiene 12200 IJ 291 250 U J 12200 Naphthalene IJ '4 4 ;291 250 Ĵ J 1 2.3-Trichlorobenzene

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N_2549

Method: REAC SOP 1807

23740 MeOH Blank A 083106-2 Sample No: SB012-17 Location: 500 50 Dilution Factor 83 100 Percent Solids Result RL RL Result µg/Kg µq/Kg μgΛ µg/Kg Analyte 3010 U 250 υ Dichlorodifluoromethane 3010 υ 250 U Chloromethane 3010 υ 250 U Vinyl Chloride 3010 250 υ U Bromomethane 3010 250 υ υ Chloroethane 3010 250 υ υ Trichlorofluoromethane 3010 250 υ υ 3010 Acelone υ 250 υ 1.1-Dichloroethene υ 3010 250 υ Methylene Chloride 3010 υ 250 υ Carbon Disulfide 3010 υ 250 υ Methyl-t-butyl Ether 3010 U 250 υ trans-1,2-Dichloroethene 3010 250 U υ 1,1-Dichloroethane 3010 250 υ U 2-Butanone υ 3010 250 υ 2,2-Dichloropropane υ 3010 250 U cis-1,2-Dichloroethene 3010 U 250 υ Chloroform 3010 U υ 250 1,1-Dichloropropene 3010 υ U 250 1,2-Dichloroethane 63400 3010 250 υ 1,1,1-Trichloroethane 3010 U 250 υ Carbon Tetrachloride 3010 U 250 υ Benzene 28900 3010 250 υ Trichloroethene 3010 U 250 υ 1.2-Dichloropropane υ 3010 250 U Bromodichloromethane 3010 U 250 υ Dibromomethane U 3010 250 U cis-1,3-Dichloropropene 3010 υ υ 250 trans-1,3-Dichloropropene 3010 U 250 U 1,1,2-Trichloroethane 3010 υ 250 υ 1.3-Dichloropropane 3010 υ 250 U Dibromochloromethane 3010 υ 250 υ 1,2-Dibromoethane 3010 U 250 U Bromoform υ 3010 250 U 4-Methyl-2-pentanone υ 3010 250 U 3010 Toluene υ 250 U 2-Hexanone 3010 U 250 U Tetrachloroethene 3010 U 250 υ Chlorobenzene 3010 υ 250 U 1,1,1,2-Tetrachloroethane 3010 250 U υ Ethylbenzene U 3010 250 υ p&m-Xylene υ 3010 250 U o-Xylene U 3010 250 U 3010 Styrene U 250 υ Isopropylbenzene 3010 250 U U 1,1,2,2-Tetrachloroethane 3010 U 250 U 1.2.3-Trichloropropane 3010 υ 250 υ n-Propyibenzene 3010 υ 250 u Bromobanzene 3010 υ 250 υ 1.3.5-Trimethylbenzene 3010 U 250 U 2-Chlorotokuene 3010 250 υ U 4-Chioratoluene 250 U 3010 υ lert-Butylbenzene υ 3010 250 U 1,2,4-Trimethylbenzene 3010 U 250 U sec-Bulylbenzene 3010 υ 250 u p-Isopropyitoluene 3010 250 u U 1 3 Dichlorobenzene 3010 U 250 u 1.4 Dichlorobenzene 3010 250 U U n-Butyibenzene 3010 U 250 U 1.2 Dichloroberzene 3010 U 250 U 1.2-Dibromo-3-chioropropane 3010 U 250 u 1 2.4-Trichlorobenzene 3010 J 250 U Hexachlorobuladier e 3010 250 u £1 Naphtraiene 3010 250 υ

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1.2.3-Trichlorisbenz-ne

Method: REAC SOP 1807 Sample No Location: Dilution Factor	MeOH Blank	0		3 485)-7-20 20 82		SB	0395 022- 0000 82	15	-	23891 1022-3 100 87			0625 022-1 500 88	6
Percent Solids	10	0							Desuit		RL	Result		RL
	Result	RL	Result		IL.	Result µg/Kg		RL µg/Kg	Result µg/Kg		µg/Kg	µg/Kg		µg/Kg
Analyte	μ g/L	µg/Kg	µg/Kg	pg	Kg	pana					575	U		2840
		250	U	12	22	U		61000	U U		575	ŭ		2840
Dichlorodifluoromethane	u u	250	U	13	2 2	U		61000	U		575	U		2840
Chloromethane	ŭ	250	U		2 2	U		61000 61000	Ŭ		575	U		- 2840
Vinyl Chloride	ŭ	250	U		22	U		61000	Ŭ		575	U		2840
Bromomethane	ū	250	U		22	U U		61000	Ū		575	U		2840
Chioroethane Trichlorofluoromethane	Ų	250	U		22 8 8	Ŭ		244000	U		2300	U		11400 2840
Acetone	U	1000	U U		22	Ŭ		61000	161	J	575	U U		2840
1,1-Dichloroethene	~ U	250	169		22	28700	J	61000	213	J	575 575	U		2840
Methylene Chloride	U	250 250	0		22	U		61000	U		575	ŭ		2840
Carbon Disulfide	U	250	Ŭ	1	2 2	U		61000	UU		575	Ū.		2840
Methyl-t-butyl Ether	U	250	U	1	2 2	U		61000	U		575	U		2840
trans-1,2-Dichloroethene	Ŭ	250	U		22	U		61000 61000	Ŭ		575	U		2840
1,1-Dichloroethane	ŭ	250	56.1		22	U U	J	61000	ŭ	J	575	U	J	2840
2-Butanone	-	250	U	-	22 22	U	,	61000	Ŭ		575	U		2840 2840
2,2-Dichloropropane cis-1,2-Dichloroethene	υ	250	U		22 2 2	U		61000	U		575	U U		2840
Chloroform	U	250	U U		22	Ŭ		61000	U		575	U		2840
1,1-Dichloropropene	U	250 250	Ŭ		22	U		61000	U		575 575	12100		2840
1,2-Dichloroethane	U	250	317	1	22	9550000		610000	12800		575	Ū		2840
1.1.1-Trichloroethane	UU	250	U	1	22	. U		61000	UU		575	U		2840
Carbon Tetrachloride	Ŭ	250	U		2 2	U		61000 61000	2400		575	50 40		2840
Benzena	ŭ	250	129		22	1500000 U		61000	U		575	U		2840
Frichloroethene	Ū	250	U		22 22	ŭ		61000	U		57 5	U		2840 2840
1.2-Dichloropropane Bromodichloromethane	U	250	U		22	Ŭ		61000	U		575	U		2840
Dibromomethane	U	250	U U		22	U		61000	U		575 575	U U		2840
cis-1.3-Dichloropropene	U	250 250	ŭ		22	U		61000	U		575	ŭ		2840
trans-1,3-Dichloropropene	U U	250	Ŭ	1	22	U		61000	UU		575	Ū		2840
1,1,2-Trichloroethane	U	250	U		22	U		61000 61000	Ŭ		575	U		2840
1,3-Dichloropropane	Ŭ	250	U		22	U		61000	ŭ		575	υ		2840
Dibromochloromethane	ŭ	250	U		22	U U		61000	ũ		575	U		2840
1,2-Dibromoethane	U	250	U		22 22	Ŭ		61000	U		575	U		2840 2840
Bromoform 4-Methyl-2-pentanone	υ	250	U U		22	Ŭ		61000	U		575	U U		2840
Toluene	U	250 250	υ		22	U		61000	U		575 57 5	ŭ		2840
2-Hexanone	U	250	·ŭ	1	22	U		61000	u u		575	ŭ		2840
Tetrachioroethene	UU	250	Ū	1	22	U		61000	Ŭ		575	U		2840
Chiorobenzene	ŭ	250	U		22	U		61000 61000	Ŭ		575	U		2840
1,1,1,2-Tetrachioroethane	ŭ	250	U		22	U U		122000	ũ		1150	U		5680
Ethylbenzene	U	500	U		44 22	ŭ		61000	U		575	U		2840 2840
p&m-Xylene o-Xylene	U	250	U U		22	Ŭ		61000	U		575	UU		2840
Styrene	U	250 250	U		22	Ŭ		61000	U		575 575	U U		2840
sopropylbenzene	U	250	ŭ		22	U		61000	U		575	ŭ		2840
1,1,2,2-Tetrachloroethane	U U	250	ŭ	1	22	U		61000	U U		575	Ū		2840
1,2,3-Trichloropropane	U	250	U		22	U		61000	U		575	U		2840
n-Propylbenzene	U	250	U		? 2	U		61000 61000	U		575	U		2840
Bromobenzene	ŭ	250	U		22	U		61000	Ŭ		575	U		2840
1,3,5- frimethylbenzene	Ū	250	U		22	U U		61000	Ū		575	U		2840
2-Chlorotoluene	U	250	U		22	Ű		61000	U		57 5	U		2840
4-Chlorotoluene tert-Bulyibenzene	U	250	U		22 22	u		61000	U		575	U		2840 2840
1,2,4-Trimethylbenzene	U	250	U		22	ŭ		61000	U		575	U		2840
sec-Bulyibenzene	U	250	U U		22	ũ		61000	U		575	U U		2840
p-Isopropyltoluene	U	250 250	Ŭ		22	ů.		61000	U		575	U		2840
1.3-Dichlorobenzene	U	250 250	U		22	U		61000	U		575 575	u		2840
1.4-Dichlorobenzene	U	250	ŭ		22	U		61000	U		575	ŭ		2840
n-Bulyibenzene	U U	250	ŭ		22	U		61000	U		575	Ŭ		2840
1 2-Dichlorobenzene	U	250	ŭ	1	22	U		610 00	U U		575	ŭ		2840
1,2-Dibromo-3-chioropropane	U	250	Ū		2 2	ن		61000	U U		575	ŭ		2840
1.2.4-Trichlorobenzene	0	250	U		22	U		61000	ບ ປ		575	2020	ſ	2840
Hexachlorobuladiene	ປ ປ	250	J		22	U.		61000	U		575	ີປ		2340
Naphthalene	J.	250	ü	. 1	22	ل:		51000	2					

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Sample No Location:	MeOH Blai	nk A 090606-1 50	S802 1	0626 23-11.5 000	SBO	0629 23-12.5 0000 80	SB	00627 1023-15 50000 80	1	3897 28-16.5 000 80
Dilution Factor		100		81		80				-
Percent Solids			G	RL	Result	RL	Result	RL	Result	RL µg/l
	Result	RL µg/Kg	Result µg/Kg	µg/Kg	µ 9/К9	µg/Kg	µg/Kg	µg/Kg	µg/Kg	pgr
Analyte	hor hor	pyrig	291.4			62500	u	313000	U [,]	6
	u	250	U	6170	U	62500	Ŭ	313000	U	6
Dichlorodiluoromethane	Ū	250	U	6170	U	62500	Ŭ	313000	U	e
Chioromethane	Ŭ	250	U	6170	U U	82500	ū	313000	U	6
Vinyl Chloride	Ū	250	U	6170	U	62500	U	313000	U	6
Bromomethane	U	250	U	6170 6170	Ŭ	62500	U	313000	U	£
Chloroethane Trichlorofluoromethane	U	250	U	24700	Ŭ	250000	U	1250000	U	2
Acetone	U	1000	U	6170	Ŭ	62500	U	313000	38000	í
1,1-Dichloroethene	U	250	U U	6170	ū	62500	U	313000	U U	
Methylene Chloride	U	250	Ŭ	6170	U	62500	U	313000	U	Ì
Carbon Disulfide	U	250	Ŭ	6170	U	62 500	U	313000	U	6
Methyl-I-butyl Ether	U	250 250	ŭ	6170	U	62500	U	313000 313000	5340	3
trans-1,2-Dichloroethene	U	250	Ŭ	6170	U	62 500	U	313000	U	. (
1,1-Dichloroethane	U	250	ŭ	6170	U	62500	U	J 313000	Ŭ	Jé
2-Butanone	U	J 250	Ŭ	J 6170	U	J 62500	U	313000	ū	(
2,2-Dichloropropane	U U	250	ŭ	6170	U	62500	U U	313000	ŭ	6
cis-1,2-Dichloroethene	Ŭ	250	U	6170	U	62500	ŭ	313000	U	(
Chloroform	U U	250	U	6170	U	62500 62500	ŭ	313000	U	
1,1-Dichloropropene	ŭ	250	U	6170	U	62500	2780000	313000	473000 0	3
1.2-Dichloroethane	ŭ	250	35700	6170	579000	62500	1.0	313000	U	(
1,1.1-Trichloroethane	U	250	U	6170	U U	62500	Ū	313000	U	
Carbon Tetrachlonde	U	250	U	6170 6170	539000	62500	783000	313000	12600	
Benzene Trichloroethene	U	250	11 5000	6170	U	62500	J.	313000	U	
1,2-Dichloropropane	U	250	U	6170	ŭ	62500	U	313000	U U	
Bromodichloromethane	U	250	U U	6170	Ū	62500	U	313000	U	ė
Dibromomethane	U	250 250	Ŭ	6170	U	625 00	U	313000 313000	Ŭ	é
cis-1,3-Dichloropropene	U	250	ŭ	6170	U	62500	U	313000	Ŭ	(
trans-1,3-Dichloropropene	U	250	ŭ	6170	U	62500	U	313000	ŭ	6
1,1,2-Trichloroethane	UU	250	Ū	6170	U	62500	U U	313000	Ū	
1.3-Dichloropropane	Ŭ	250	U	6170	U	62500	Ŭ	313000	U	6
Dibromochloromethane	Ŭ	250	·U	6170	U	62 500 62500	Ŭ	313000	U	6
1.2-Dibromoethane	ŭ	250	U	6170	U	62500	Ŭ	313000	υ	
Bromotorm	ũ	250	U	6170	U U	62500	ũ	313000	U	6
4-Methyl-2-pentanone	U	250	U	6170	U U	62500	U	313000	U	6
Toluene	U	250	U	6170 6170	ŭ	62500	U	313000	U	6
2-Hexanone Tetrachloroethene	U	250	U	6170	Ŭ	62500	U	313000	U	6
Chlorobenzene	U	250	U	6170	Ŭ	62500	U	313000	U	6
1,1,1,2-Tetrachioroethane	U	250	U U	6170	Ŭ	62500	U	313000	U U	1
Ethylbenzene	U	250	Ŭ	12300	U	125000	U	625000	U	e
p&m-Xylene	U	500 250	Ŭ	6170	U	62500	U	313000 313000	Ŭ	e
o-Xylene	U	250	ŭ	6170	U	62500	U	313000	Ŭ	e
Styrene	U U	250	ũ	6170	U	62500	U U	313000	ū	ŧ
Isopropyibenzene	Ű	250	U	6170	U	62500 62500	ŭ	313000	U	
1,1,2,2-Tetrachloroethane	ŭ	250	U	6170	U	62500	ŭ	313000	U	6
1.2.3-Trichloropropane	Ŭ	250	U	6170	U	62500	U	313000	U	6
n-Propylbenzene	Ū	250	U	6170	U U	62500	Ū	313000	U	6
Bromobenzene 1.3.5-Trimethylbenzene	U	250	U	6170 6170	Ŭ	62500	U	313000	U	(
2-Chlorotoluene	U	250	U	6170	ŭ	62500	U	313000	U	6
4-Chlorololuene	U	250	U	6170	ŭ	62500	U	313000	<u>บ</u>	6
tert-Butylbenzene	U	250	0	6170	Ū	62500	U	313000	U	6
1.2.4 Trimethylberzene	U	250	U 	6170	U	62 500	U	313000	U	ē
sec-Bulylbenzene	U	250	U	6170	U	6250 0	U	313000	U	6
p-isopropyitoluene	U	250	UU	6170	Ŭ	62500	U	313000	U	6
1.3-Dichlorobenzene	U	250		6170	Ū	62500	U	313600	U	é
1.4-Dichlcrobenzene	U	250	UU	6170	Ū	62 500	U	313000	U	6
n-Butyibenzene	U	250		6170	Ŭ	62500	U	313000	U	6
1.2-Dichlcrobenzene	U	250	U U	6170	Ŭ	62500	U	313000	U	6
1.2-Dibromo-3-chloropropane	U	250		J 6170	U	625 0 0	U	313000	U	ê
1.2.4-Trichlorobenzene	U	250	22.0	6170	U	6250 0	U	313000	U U	5
	U U	250		J 6170	Ū	62500	U U	013000	U	5
Hexachlorobuladiene	U	250	4840				U	313000	U U	

Method: REAC SOP 1807

23895 ;00365 MeOH Blank A 090606-1 SB029-16 Sample No S-3028-20 1000 Location: 1000 50 76 Dilution Factor 87 100 Percent Solids RL Result RL RL Result Result µg/Kg µg/Kg µg/Kg µg/Kg pg/K; µg/L Analyte 6580 5750 υ 250 υ υ 6580 Dichlorodifluoromethane 5750 υ 250 υ υ 6580 Chloromethane 5750 υ υ 250 υ 6580 Vinyl Chloride υ 5750 υ 250 υ 6580 υ Bromomethane 5750 υ 250 υ 6580 υ Chloroethane 5750 υ υ 250 Trichlorofluoromethane 26300 23000 υ υ υ 1000 6580 υ Acetone 57**50** υ υ 250 6580 1,1-Dichloroethene υ 5750 250 U υ Methylene Chloride 6580 5750 υ υ 250 υ 6580 Carbon Disulfide υ 5750 U 250 υ 65**80** Methyl-t-butyl Ether 5750 υ 250 U U 6580 trans-1,2-Dichloroethene υ 5750 250 U υ 6580 1,1-Dichloroethane 5750 υ 250 υ υ 6580 2-Butanone 5750 υ J 250 U υ J 2,2-Dichloropropane 6580 5750 υ 250 υ cis-1,2-Dichloroethene υ 6580 5750 υ 250 υ U 6580 Chloroform 5750 υ 250 U) υ 6580 1,1-Dichloropropene 5750 U 250 U U 1.2-Dichloroethane 6580 15300 5750 52800 250 1,1,1-Trichloroethane υ 6**580** 5750 U 250 U u 6580 Carbon Tetrachloride 5750 υ 250 U. υ 6**580** Benzene 5750 υ J 1630 250 υ 6580 Trichlomethene 5750 υ 250 υ 1,2-Dichloropropane U 6580 5750 υ 250 U υ 6**580** Bromodichloromethane 5750 υ 250 υ υ 6580 υ Dibromomethane 5750 2**50** U υ 6580 cis-1,3-Dichloropropene 57**50** υ 250 U U trans-1,3-Dichloropropene 6580 υ 5750 U 250 υ 6580 1,1,2-Trichloroethane 5750 υ 250 υ U 6**580** υ 1.3-Dichloropropane 5750 υ 250 υ 6**580** Dibromochloromethane 5750 U υ 250 υ 6580 1.2-Dibromoethane 5750 υ 250 υ υ 658**0** Bromoform 5750 υ U 250 υ 6580 4-Methyl-2-pentanone U 5750 2**50** υ U 6580 υ Toluene 5750 υ 250 υ 2-Hexanone υ 6580 5750 υ 250 υ Tetrachioroethene υ 6580 5750 250 U υ 6580 υ Chlorobenzene 5750 υ 250 υ 1.1.1.2-Tetrachloroethane 6580 υ 5750 υ υ 250 υ 13200 Ethylbenzene 11500 u 500 υ 6580 υ p&m-Xylene 5750 υ 250 υ U 6580 o-Xylene \$750 υ 250 υ 6580 υ 5750 Styrene υ 250 υ 6580 υ isopropylbenzene 5750 υ 250 υ 6580 1.1.2.2-Tetrachloroethane υ 5750 250 υ υ 1,2,3-Trichloropropane υ 6580 5750 250 υ υ U 6580 n-Propylbenzene 5750 υ 250 υ 658**0** Bromobenzene υ 5750 J 250 u 1,3,5-Trimethylbenzene 6580 υ 5750 J 250 υ 6580 2-Chlorotoluene 5,750 υ 1J υ 250 6580 4-Chlorotoluene υ 5750 250 W. U ò580 tert-Butyibenzene 5750 U 250 Ψ U 1,2,4 Trimethylbenzene 6580 5.'50 U 250 ų U 6580 sec-Butyibenzene υ 5'50 250 ς U 6580 p-isopropyltoluene 5050 υ 2**50** L υ 1,3-Dichlorobenzene ô580 υ 5750 L, υ 250 1.4-Dichlorobenzene 658**0** 57:50 U U 250 υ 6580 n-Butylbenzene 57,50 U UI 250 U 658**0** 1.2-Dichlorobenzene 57;50 υ 250 U 1,2-Dibromo-3-chioropropane U €580 57:i0 U 250 U U 1.2.4-Trichiorobenzene υ 6580 57:0 υ 250 u Hexachicrobuladier.e 55d**0** 5750 u 250 υ U 6580 Nachtralene U 575,0 U

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1.2.3-Trichlorobenzene

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Method: REAC SOP 1807 Sample No Location:	MeOH Blank		S8020-	886 -18.5-20 50	S802	634 9-17.5)00	SB02	530 29-20 100	003 SB03 10 8	10-16 00
Dilution Factor	5			7	8	32	8	5	3	•
Percent Solida	10	ю						RL	Result	RL
		RL	Result	RL	Result	RL	Result	µg/Kg	µg/Kg	µg/Kg
	Result	µg/Kg	µg/Kg	ug/Kg	µg/Kg	µg/Kg	µg/Kg	parts		
Analyte	Light.					6100	U	5880	U	6170
	U	250	Ú	32 5	U	6100 6100	ŭ	5880	U	6170
Dichlorodifluoromethane	Ŭ	250	U	325	U	6100	ŭ	5880	U	6170
Chloromethane	ŭ	250	U	3 25	U	6100	Ŭ	5880	U	6170
Vinyl Chloride	Ŭ	250	U	325	U	6100	Ũ	5880	U	6170
Bromomethane	Ū	250	U	325	U U	6100	U	5880	U	6170
Chloroethane	U	250		J 325	Ŭ	24400	U	23500	U	24700 8170
Trichlorofluoromethane	U	1000	U	1300	υ	6100	U	5880	62600	6170
Acetone	U	250	520	325 325	Ŭ	6100	U	5880	U ·	6170
1.1-Dichloroethene	υ	250	569	325	ŭ	6100	U	5880	U	6170
Methylene Chloride Carbon Disulfide	U	250	U	325	Ŭ	6100	U	5880	U U	6170
Methyl-I-butyl Ether	U	250	U	325	ũ	6100	U	5880	8230	6170
trans-1,2-Dichloroethene	U	250	U	325	U	6100	U	5880	U	6170
1,1-Dichloroethane	U	250	U U	325	υ	6100	U	5860	Ŭ	6170
2-Butanone	U	250	U	325	Ū	6100	U	5880 5880	Ŭ	6170
2,2-Dichloropropane	U	250 250	Ŭ	325	U	6100	U	5880	ŭ	6170
cis-1,2-Dichloroethene	U	250	Ŭ	325	υ	6100	U	5880	Ŭ	6170
Chloroform	U	250	ŭ	325	U	6100	U	5880	Ū	6170
1,1-Dichloropropene	U	250	ŭ	325	U	6100	U 29700	5880	21800000	1540000
1.2-Dichloroethane	U	250	70300	3250	7550	6100	29700 U	5880	U	6170
1.1.1-Trichloroethane	U U	250	U	325	U	6100	U	5880	υ	6170
Carbon Tetrachloride	U	250	U	325	U	6100	ŭ	5880	12100	6170
Benzene	U	250	15500	3250	U	6100 6100	ŭ	5880	U	6170
Trichloroethene	ŭ	250	U	325	U	6100	ŭ	5880	U	6170
1,2-Dichloropropane	ŭ	250	υ	325	U	6100	ũ	5880	U	6170
Bromodichioromethane	Ŭ	250	U	325	U U	6100	Ŭ	5880	u	6170
Dibromomethane	Ū	250	U	325	Ŭ	6100	Ű	5880	U	6170 6170
cis-1,3-Dichloropropene	Ū	250	U	325	U	6100	U	5880	U	6170
trans-1,3-Dichloropropene	U	250	U	325 325	Ŭ	6100	U	5880	U	6170
1,1,2-Trichloroethane 1,3-Dichloropropane	U	250	U	325	ŭ	6100	U	5880	U U	6170
1,3-Dichloromethane	U	250	U	325	ũ	6100	U	5880	U	6170
1,2-Dibromoethane	U	250	U U	325	Ū	6100	U	5880	U	6170
Bromoform	U	250	Ŭ	325	U	6100	U	5880	ŭ	6170
4-Methyl-2-pentanone	U	250	υ	325	U	6100	U	5880	ŭ	6170
Toluene	U	250	ŭ	325	υ	6100	U	5880 5880	ŭ	6170
2-Hexanone	U	250 250	Ŭ	325	U	6100	U	5880	ŭ	6170
Tetrachioroethene	U	250	Ŭ	325	U	6100	U	5880	• <u></u>	6170
Chlorobenzene	U	250	ŭ	325	U	6100	U	5880	Ū	6170
1,1,1,2-Tetrachloroethane	U	250	Ū	325	U	6100	U	11800	Ū	12300
Ethylbenzene	U	500	ũ	649	U	12200	U	5880	Ū	6170
p&m-Xylene	U	250	Ū	325	υ	6100	U U	5880	U	6170
o-Xylene	U U	250	U	325	U	6100	ŭ	5880	U	6170
Styrene	U	250	U	325	U	6100 6100	ŭ	5880	U	6170
Isopropyibenzene	Ŭ	250	U	325	U	6100	ŭ	58 80	U	6170
1,1,2,2-Tetrachloroethane	ŭ	250	U	325	U	6100	ũ	5880	U	6170
1,2,3-Trichloropropane	Ŭ	250	U	325	•	5100	U	5880	U	6170
n-Propylbenzene	Ū	250	U	325	U U	6100	U	5880	U	6170
Bromobenzene	ũ	250	U	325	U	6100	U	5880	U	6170
1,3,5-Trimethylbenzene	Ú	25 0	U	325	U	6100	U	5 880	U	6170 6170
2-Chiorotoluene	U	250	U	325	ŭ	6100	U	5880	U	6170
4-Chlorotoluene	U	250	U	325 325	ŭ	6100	U	5880	u	6170
tert-Butylbenzene	U	2 50	U		ŭ	6100	U	58 80	U	6170
1.2.4-Trimethylbenzene	U	25 0	U	32 5	U	6100	U	58 80	U	6170
sec-Butylbenzene	U	25 0	U	325 3 25	U	6100	U	58 80	U	6170
p-Isopropyltoluene	U	250	U	325	U	6100	u	5880	U	
1.3-Dichlorobenzene	U	250	U		ŭ	6100	U	5880	u	6170
1.4-Dichlorobenzene	U	250	U	325	U	6100	U	5880	U	6170
n-Bulyibenzene	U	250	U	325	U	6100	U	5880	U	6170
1.2-Dichlorobenzene 1.2-Dipromo-3-chioropropane	U	250	U	325	U	5100	U	5880	U	6170
1.2-Dipromo-3-Cilloropropane	U	250	U	325	U	ô10 0	u	5880	u	6170
1 2.4-Trichlorobenzene	U	250	U	325	U	5100	U	5880	U	6170
Hexachiaroputadiene	u	250	J	325	J J	5100	U	5880	U	6170
Naphthalene 1,2-3-Trichlorobenzene	U.	250	U I	325	0					rv_2356

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Method: REAC SOP 1807

ample No	MeOH Blank	A 090706;1	SBOS	400 0-17.5	SB	23 896 1030-1 100 0	5	
ocation	5	0	16	00				
nution Factor		20	ł	2		83		
rcent Solids							RL	
	Result	RL	Result	RL	Result		µg/Kg	
al de	µg/L	µg/Kg	µg/Kg	µg/Kg	µg/Kg		29/159	
alyte			U	6100	U		6020	
hiorodifluoromethane	U	250	U	6100	U		6020	
loromethane	U	250	υ	6100	U		6020	
nyl Chloride	U	250	U	6100	U		6020	
omomethane	U	250 250	Ŭ	6100	U		6020	
hioroethane	U	250	ŭ	6100	υ		6020	
ichlorofluoromethane	U	1000	Ū	24400	υ		24100	
elone	Ű	250	υ	6100	2930	J	6020	
1-Dichloroethene	U	250	U	6100	U		6020	
ethylene Chloride	Ŭ	250	U	6100	U		602 0 6020	
arbon Disulfide	Ŭ	250	U	6100	U		6020	
ethyl-t-bulyl Ether	Ŭ	250	U	6100	U		6020	
ns-1,2-Dichloroelhene	ŭ	250	U	6100	U		6020	
1-Dichloroethane	ŭ	250	U	6100	U U		6020	
Butanone	Ŭ	250	U	6100	U U		6020	
2-Dichloropropane	ũ	250	U	6100	U		6020	
s-1,2-Dichloroethene	Ū	250	U	6100 6100	Ŭ		6020	
hloroform ,1-Dichloropropene	U	250	U	6100	ŭ		6020	
2-Dichloroethane	U	250	U 69500	6100	133000	J	6020	
1,1-Trichloroelhane	U	250	0 69500	6100	U		602 0	
arbon Tetrachloride	U	250	Ŭ.	6100	U		6020	
lenzene	U	250 250	υ	6100	U		60 20	
ichloroethene	U	250	Ŭ	6100	U		6020	
2-Dichloropropane	U	250	Ū	6100	U		6020	
romodichloromethane	UU	250	Ū	6100	U		6020	
horomomethane	ŭ	250	U	6100	U		6020	
is-1,3-Dichloropropene	U	250	U	6100	U		6020 6020	
ans-1,3-Dichloropropene	ŭ	250	U	6100	U		6020	
1.2-Trichloroethane	Ŭ	250	U	6100	U		6020	
3-Dichloropropane	ŭ	250	U	6100	U		6020	
bromochloromethane	Ŭ	250	U	6100	U		6020	
2-Dibromoethane	U	250	U	6100	UU		6020	
Bromotorm	U	250	U	6100 6100	Ŭ		6020	
-Methyl-2-pentanone	U	250	U U	6100	ŭ		6020	
oluene -Hexanone	U	250	U	6100	Ū		6020	
etrachioroethene .	U	250	U	6100	U		6020	
hiorobenzene	U	250 250	Ŭ	6100	U		6020	
1,1,2-Tetrachloroethane	U	250	Ŭ	6100	U		6020	
thylbenzene	U	500	ŭ	12200	U		1200	
&m-Xylene	U U	250	Ū	6100	U		6020	
-Xylene	U	250	Ū	6100	U		6020 6020	
Styrene	U	250	U	6100	U		6020 6020	
sopropyibenzene	U.	250	U	6100	U		6020 6020	
1,2,2-Tetrachloroethane	U.	250	U	6100	U		6020	
2.3-Trichloropropane	ŭ	250	υ	6100	U		6020	
Propyibenzene	Ū	250	U	6100	U		6020	
romobenzene	Ŭ	250	u	6100	U		6020	
3.5-Trimethylbenzene	ū	250	U	6100	U		6020	
Chlorotoluene	U	250	U	6100	U		6020	
Chlorotoluene	U	250	U	,6100	U		6020	
rt-Butylbenzene	U	250	U	,6100	U		6020	
2.4 Trimethylbenzene	U	250	U	t6100	U U		6020	
ec-Butylbenzene	u	250	U	6100	U		6020	
-Isopropyltoluene	U	250	U	e100	U		6020	
3-Dichlorobenzene	U	250	U	;6100	U		6020	
4-Dichlorobenzene	U	250	U	;5100 ;3100	u		5020	
Butylbenzene	U	250	U	Ģ100 	U		6020	
1.2-Dichiorobenzene 1.2-Dibromo-3-chioropropane	Ŭ	250	U	\$100 	u		6020	
2.2.4 Trichlorobenzene	U	250	U	-5100	U		6020	
	u	250	U	6100	u		6020	
Hexachiorobuladiene	U	250	U	1 1 0 0 1 1 0 0	U		5020	
Naphthalene	U	250	υ U	100	9			

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Method: REAC SOP 1807

Sample No	MeOH BI	ank A 090706		00388
Location: Dilution Factor		50	S	B032-16.5 5000
Percent Solids		100		80
		-		
Analyte	Result	RL µg/Kg	Result µg/Kg	<i>RL</i> µ9/Кg
Dichlorodifluoromethane	U	250	U	31300
Chloromethane Vinyi Chloride	U U	250 250	U U	31300 31300
Bromomethane	Ŭ	250	ŭ	31300
Chloroethane	Ŭ	250	Ŭ	31300
Trichlorofluoromethane	U	250	U	31300
Acetone	U	1000	U	125000
1,1-Dichloroethene	U	250	U	31300
Methylene Chloride	U	250	U	31300
Carbon Disulfide	U U	250 250	U U	31300
Methyl-1-butyl Ether trans-1,2-Dichloroethene	Ű	250	υ	31300 31300
1,1-Dichloroethane	Ŭ	250	Ŭ	31300
2-Butanone	Ŭ	250	บั	31300
2,2-Dichloropropane	U	250	υ	31300
cis-1,2-Dichloroethene	U	250	U	31300
Chloroform	U	250	υ	31300
1,1-Dichlaropropene	U 	250	U	31300
1,2-Dichloroethane 1,1,1-Trichloroethane	U U	250 250	U 689000	31300 31300
Carbon Tetrachloride	Ŭ	250	U	31300
Benzene	Ŭ	250	ŭ	31300
Trichloroethene	Ŭ	250	Ŭ	31300
1,2-Dichloropropane	Ŭ	250	Ũ	31300
Bromodichloromethane	U	250	U	31300
Dibromomethane	U	250	U	31300
cis-1,3-Dichloropropene	U U	250	U	31300
trans-1,3-Dichloropropene 1,1,2-Trichloroethane	U	250 250	U U	31300 31300
1, 1, 2- Inchloropropane	U	250	υ	31300
Dibromochloromethane	U	250	ŭ	31300
1,2-Dibromoethane	Ū	250	Ū	31300
Bromoform	U	250	U	31300
4-Methyl-2-pentanone	U	250	U	31300
Toluene	U	250	U	31300
2-Hexanone Tetrachloroethene	UU	250 250	U U	31300 31300
Chlorobenzene	U	250	ŭ	31300
1,1,1,2-Tetrachloroethane	Ŭ	250	ŭ	31300
Ethylbenzene	ŭ	250	ũ	31300
p&m-Xylene	U	500	U	62500
o-Xylene	U	250	U	31300
Styrene	U	250	U	31300
Isopropyibenzene 1,1,2,2-Tetrachioroethane	U U	250 250	ม บ	31300 31300
1,1,2,2-1 etrachioroetnane 1,2,3-Trichloropropane	U	250	U	31300
n-Propylbenzene	Ŭ	250	υ	31300
Bromobenzene	ŭ	250	ŭ	31300
1, 3 5-Tomethylbenzene	U	250	Ū	31300
2-Chiorotoluene	U	250	U	31300
4-Chlorotoluene	U	250	U	31300
tert-Butylbenzene	U	250	U	31300
1,2,4-Trimelhylbenzene	U	250	U	31300
sec-Butylbenzene p-Isopropyitoluene	UU	250 250	U U	31300
1,3-Dichlorobenzene	U	250	U	31300 31300
1,4-Dichlorobenzene	ม ป	250	U U	31300
n-Butyibenzene	J		U	31300
1,2-Dichlorabenzene	U		U	31300
1,2-Dibromo-3-chloropropane	Ű		ŭ	31300
1.2,4-Tachiorobenzene	Ū		Ū	31300
mexachlorobutadiene	U		U	31300
Naphthalene	U U		U	31300
1 2,3-Tachiorobenzene	L.	250	ن	31360

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Page	43	of	44
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ample No ocation: ilution Factor	MeOH Blank	0		0;0366 3;029- 1;000 ;80	19		00383 3030-2 50 86		50	1-19.5 00 13	SBO	32-15 50 82
ercent Solids	10	0		100						RL	Result	R
	Result	RL	Result		RL	Result		RL µg/Kg	Result µg/Kg	ug/Kg	µg/Kg	µg/l
nalyte	µg/L	µg/Kg	µg/Kg	-,	µg/Kg	µg/Kg		297.5			U	30
		250	υ		62 50	υ		291	U	3010 3010	U.	30
chlorodifluoromethane	U	250	ŭ		8250	U		291	U	3010	Ŭ	30
hioromethane	U U	250	Ū		6250	U		291	U U	3010	Ŭ	30
nyl Chloride	ŭ	250	U		8250	U		291 291	Ŭ	3010	U	30
omomethane	ŭ	250	U		6250	U		291	ŭ	3010	υ	30
hloroethane	ŭ	250	υ		6250	U R		1160	Ř	12000	R	12 J 30
ichlorofluoromethane	υ	1000	R		25000 8250	173	з	291	U	3010	82.3	J 30 J 30
cetone 1-Dichloroethene	U	250	4050	4,	6250	151	Ĵ	291	U	3010	165	30
ethylene Chloride	U	250	U U		6250	U		291	U	3010	U U	30
aroon Disulfide	U	250 250	U		6250	υ		291	U	3010 3010	Ŭ	30
ethyt-t-bulyt Ether	U U	250	ŭ		6250	υ		291	U U	3010	ŭ	30
ins-1,2-Dichloroethene	Ŭ	250	U		6250	U		291	Ű	3010	U	30
1-Dichloroethane	Ŭ	250	U		6250	U		291 291	Ŭ	3010	υ	30
Butanone	Ŭ	250	υ		6250	U		291	ŭ	3010	υ	30
2-Dichloropropane	ŭ	250	υ		6250	U U		291	ŭ	3010	U	30
s-1,2-Dichloroethene	ŭ	250	U		6250 6250	U		291	Ŭ	3010	U	30 30
hloroform 1-Dichloropropene	U	250	U		6250 6250	Ŭ		291	U	3010	U	30
2-Dichloroethane	υ	250	U 340000	t	106000	4920		291	24100	3010	34 30 U	30
1,1-Trichloroethane	U	250	340000 U	3	6250	U		291	U	3010 3010	Ŭ,	. 30
arbon Tetrachloride	U	250 250	ŭ		6250	U		291	U	3010	461	30
enzene	U	250	ŭ		6250	177	J	291	U	3010	U.	30
richloroethene	U U	250	Ŭ		6250	U		291	u U	3010	Ū	30
2-Dichloropropane	U	250	υ		6250	U		291 291	Ŭ	3010	U	30
romodichloromethane	ŭ	250	U		6250	U		291	ŭ	3010	U	30
ibromomethane	ū	250	U		6250	UU		291	Ū	3010	U	30
s-1,3-Dichloropropene ans-1,3-Dichloropropene	U.	250	U		6250 6250	Ŭ		291	U	3010	U	30
1,2-Trichloroethane	U	250	U		6250	ŭ		291	U	3010	U	30
3-Dichloropropane	U	250	U U		6250	U		291	U	3010	U U	30
ibromochloromethane	U	250 250	U		6250	U		291	U	3010 3010	Ŭ	30
2-Dibromoethane	U	250	ŭ		6250	U		291	U U	3010	ŭ	30
romoform	UU	250	Ŭ		62 5 0	U		291 291	υ	3010	U	30
-Methyl-2-pentanone	U U	250	U		6250	U		291	Ŭ	3010	U	30
oluene	ŭ	250	U		6250	U V		291	U	3010	U	30
-Hexanone etrachioroethene	U	250	U		6250 6250	ŭ		291	U	3010	U	30
hiorobenzene	U	250	U U		6250	Ū		291	U	3010	U U	30
1,1,2-Tetrachloroethane	U	250	ŭ		6250	U		291	U	3010 6020	U	61
thylbenzene	U	250 500	ŭ		12500	U		581	U	3010	ŭ	30
&m-Xylene	UU	250	Ŭ		6250	U		291	U U	3010	ũ	30
Xylene	U	250	U		6250	U		291 291	U	3010	U	30
tyrene	Ŭ	250	U		6250	U U		291	ŭ	3010	U	30
opropyibenzene	Ū	250	U		6250 6250	U		291	Ū	3010	U	30
1.2.2. Tetrachloroethane	U	250	U		1	υ		291	U	3010	U	30
,2,3-Trichloropropane -Propylbenzene	U	250	U		6250 6250	Ŭ		291	u	3010	U	30 30
romobenzene	U	250	U		6250	Ŭ		291	U	3010	U	30
3 5-Trimethylbenzene	, u	250	UU		6250	Ū		291	υ	3010	U U	30
Chlorotoluene	U	250	Ŭ		6250	J		291	U	3010	U	30
Chlorotoluene	U	250 250	ŭ		6250	U		291	u	3010	U	30
nt-Bulyibenzene	U	250 2 5 0	ŭ		6250	U		291	U	3010 3010	U	30
2.4-Trimethylbenzene	U	250	ŭ		6250	U		291	U	3010	ŭ	30
ec-Butylbenzene	U	250	Ū		6250	U		291	U	3010	Ū	30
isopropyitoluene	U U	250	ŭ		52 50	U		291	U	3010	ŭ	30
3-Dichlorobenzene	U	250	Ū		5250	U		291	U U	3010	ŭ	30
4-Dichlerobenzene	U	250	U		j250	U		291	U	3010	Ū	30
Butylbenzene	U	250	U		3250	U		291 291	U	3010	U	30
2-Dichlorobenzene	Ű	250	U		Ģ250	U		291 291	U	3010	U	30
2-Dibromo-3-chloropropane	Ű	250	5		6,250	U		291	U	3010	U	30
2.4-Trichlorcbenzene	Ű	250	ز		£250	U		291	U	3010	6	30
exachlorobutadiene	Ű	250	J		£250	رب 		291	Ŭ	3010	U	30
aphthalene 2.3-Trichloroberizene	Ŭ	250			6250	ال ا		291	0			

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Method: REAC SOP 1807	MeOH Blank	A 090806-2	C	0386	i		00387		00 SB03)385 33-1			0384 33-19	9.5
Sample No	MeUn biank		SE	1032-	19	SB	033-1 50	2.5	4 - 1	000			100	
Location:	50)		100			50 82			81			84	
Dilution Factor	10	0		81			02							RL
Percent Solids			-		RL	Result		RL	Result		RL	Result		µg/Kg
	Result	RL	Result		µg/Kg	µg/Kg		µg/Kg	µg/Kg		µg/Kg	µg/Kg		pgrig.
Analyte	ug/L	µg/Kg	µg/Kg								8170	υ		5 95
Allugis		250	υ		617	U		305	U		6170	Ū		595
Dichlorodifluoromethane	U	250	ŭ		617	υ		305	U U		6170	Ū		595
Chloromethane	U	250	Ū		617	U		305	U		6170	υ		5 95
Vinyl Chloride	U U	250	U		617	U		305 305	ŭ		6170	U		595
Bromomethane	Ŭ	250	υ		617	U		305	Ŭ		6170	U		595
Chioroethane	Ū	250	U		617	U R		1220	R		24700	R		2380 595
Trichlorofluoromethane	U	1000	R		2470 617	ΰ		305	U		6170	U U		595
Acetone 1,1-Dichloroethene	U	250	494 U	L	617	159	J	305	U		6170	U		595
Methylene Chloride	U	250	U		617	U		305	U		6170 6170	Ŭ		595
Carbon Disulfide	U	250 250	ŭ		617	U		305	U U		6170	Ŭ		595
Methyl-I-bulyl Ether	U	250	ũ		617	υ		305	υ		6170	U		595
trans-1,2-Dichloroethene	U U	250	υ		617	U		305 305	Ŭ		6170	U		595
1,1-Dichloroethane	Ŭ	250	U		617	U U		305	Ŭ		6170	U		59 5
2-Butanone	ŭ	250	U		617	U		305	U		6170	U		59 5 59 5
2,2-Dichloropropane cis-1,2-Dichloroethene	U	250	U		617 617	Ŭ		305	U		6170	U U		595
Chloroform	U	250	ບ ບ		617	ŭ		305	U		6170	U		595
1,1-Dichloropropene	U	250	ŭ		617	U		305	U		6170 6170	13100		595
1.2-Dichloroethane	U	250 250	13300		617	3090		305	121000 U	J	6170	U		595
1.1.1-Trichloroethane	UU	250	U		617	U		305 305	ŭ		6170	U		595
Carbon Tetrachioride	U	250	υ		617	U		305	ŭ		6170	454	J	59 5
Benzene	Ŭ	250	699		617	669 U		305	u		6170	U		59 5 59 5
Trichtoroethene	U	250	U		617 617	Ŭ		305	U		6170	U U		595
1.2-Dichloropropane Bromodichloromethane	U	250	U U		617	Ū		305	U		6170 6170	U		595
Dibromomethane	U	250 250	ŭ		617	U		305	U		6170	Ŭ		59 5
cis-1.3-Dichloropropene	U	250	ŭ		617	υ		305	U U		6170	ŭ		5 95
trans-1,3-Dichloropropene	U U	250	Ŭ		617	U		305 30 5	υ		6170	U		59 5
1,1,2-Trichloroethane	U	250	U		617	U		305	ŭ		6170	U		59 5
1.3-Dichloropropane	ŭ	250	U		617	U U		305	U		6170	U		59 5 59 5
Dibromochloromethane	U	250	U		617 617	ŭ		305	U		6170	U U		59 5
1,2-Dibromoethane Bromoform	U	250	U U		617	ũ		305	U		6170 6170	U		595
4-Methyl-2-pentanone	U	250 250	ŭ		617	U		305	U U		6170	Ŭ		5 95
Toluene	U U	250	ũ		617	U		305 30 5	U		6170	U		595
2-Hexanone	Ŭ	250	U		617	U		305	ŭ		6170	υ		59 5
Tetrachioroethene	ŭ	250	U		617	u u		305	Ŭ		6170	U		595 595
Chiorobenzene 1,1,1,2-Tetrachloroethane	Ŭ	250	U		617 617	U		305	υ		6170	U		1190
1,1,1,2-Tetrachiorocanismo Ethylbenzene	u	250	U		1230	ŭ		610	U		12300	U U		595
p&m-Xylene	U	500	U U		617	U		305	U		6170 6170	ŭ		595
o-Xylene	U 	250 250	ŭ		617	U		305	U U		6170	U		595
Styrene	U U	250	U		617	U		305 305	ŭ		6170	U		595
Isopropyibenzene	ŭ	250	υ		617	U U		305	Ŭ		6170	U		595 595
1,1,2,2-Telrachloroethane	ŭ	250	U		617 617	u U		305	U		6170	U		595
1,2,3-Trichtoropropane n-Propylbenzene	U	250	U		617	ŭ		305	U		6170	U U		595
Bromobenzene	U	250	UU		617	U		3 05	U		6170 6170	U		595
1,3,5-Tomethylbenzene	0	250 250	ŭ		617	U		305	U U		6170	Ĵ		5 95
2-Chlorotoluene	ບ ບ	250	Ŭ		617	U		305 30 5	U		6170	U		595
4-Chiorololuene	Ŭ	250	U		617	U		305	Ŭ		6170	U		595
tert-Butylbenzene	Ŭ	250	U		617	U		305	Ŭ		6170	U		595
1,2,4-Thmethylbenzene	Ŭ	250	U		617	U U		305	U		6170	U		59 5 59 5
sec-Butylbenzene p-tsopropyltoluene	U	250	U		617 617	U		305	U		6170	0		595 595
p-isopropynolene 1,3-Dichlorobenzene	ť	250	U		617	ŭ		305	U		6170	0		595
1,4-Dichlorobenzene	U	250	UU		617	Ū		30 5	U		6170 6170	U U		59 5
n-Butylbenzene	U	250	U		617	Ū		305	U		6170 6170	ບ ປ		595
1 2-Dichlorobenzene	U .	250 250	J		617	U		305	U		6170	U		595
1 2-Dibromo-3-chloropropane	J.	250	U		617	U		305	U		6170	Ĵ		595
1,2,4 Inchioroberzene	U	250	Ū		617	U		205	0		6170	j		59 5
Hexachlorobutadiene	U U	250	ŭ		617	U		305	U C		6170	5		59 5
Naphthalene	J J	250	U		617	U		36 5	5					
1.2.3-Tachioraberzere	5													~_2360

Table 2.1 Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Water	
WA# 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy	

File ID	Sample No.	IS 1	IS 2	IS 3	Surr.	1 Surr. 2	2 Sur
BV5716D	Cal Check Area	327801	2365770	1435140			
BV5718.D	Water Blank B090906-2	316555	2316266	1375335	104	100)
BV5719.D	LCS BW 41	316158	2332374	1392383	105	5 98	}
BV5721.D	15185/100x	316995	2279489	134687 3	106	i 100	1
BV5723.D	15188	310085	2235111	1339016	106	i 100	
BV5724.D	15188 MS	315411	2269002	1355622	104	99	
BV5725.D	15188 MSD	314540	2287550	1374456	105	99	
BV5726.D	15193	313018	2250749	1341385	105	100	
BV5730.D	15190/100x	306377	2238030	1336510	105	100	1
BV5731.D	15185/1000×	307988	2245679	1347883	105		
							isv130
Analysis Da Matrix	ate 09/11/06 Water						
File ID	Sample No.	IS 1	IS 2	IS 3_	Surr. 1	Surr. 2	Surr.
BV5745D	Cal Check Area	3676 34	2666120	1592960			
BV5748 D	Water Blank B091106-1	348964	2607075	1538289	101	10 2	9
BV5751.D	15174	3 34445	2461051	1456389	103	102	9
BV5752.D	15175	325491	2400405	1434207	103	10 1	9
						<u> </u>	isv130
Analysis Dat Matrix							
Matrix	Water	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
Matrix File ID	Water Sample No	IS 1	<u>IS 2</u> 2395330	IS 3	Surr. 1	Surr. 2	_Surr. 3
Matrix File ID BV5757D	Water Sample No Cal Check Area	328734	2395330	1469990			<u>Surr</u> 3
Matrix File ID	Water Sample No				Surr. 1 106 105	Surr. 2 101 101	<u>Surr. 3</u> 99 98
Matrix File ID BV5757D BV5760.D	Water Sample No Cal Check Area Water Blank B091206-2	328734 313998	2395330 233497 3	1469990 1395797	106	101 101	99
Matrix File ID BV5757D BV5760.D	Water Sample No Cal Check Area Water Blank B091206-2	328734 313998	2395330 233497 3 2295940	1469990 1395797	106 105	101 101 Limits	99 98
Matrix File ID BV5757D BV5760.D BV5763.D	Water Sample No Cal Check Area Water Blank B091206-2 15189/2x Internal Standards	328734 313998	2395330 233497 3 2295940 Sur	1469990 1395797 1384626	106 105 ards	101 101 Limits Water	99 98
Matrix File ID BV5757D BV5760.D BV5763.D IS 1=	Water Sample No Cal Check Area Water Blank B091206-2 15189/2x	328734 313998	2395330 233497 3 2295940	1469990 1395797 1384626 rogate Standa Dichloroethar	106 105 ards ne-d 4 7	101 101 Limits	99 98

Table 2. 2 Results of the LCS Analysis for VOC in Water WA # 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy

Sample ID: LCS BW 41

Analyte	LQS Spike Added µg/L	LCS Result µg/L	LCS % Recovery	QC Limits % Recovery
1,1-Dichloroethene	50.0	56.2	112	70 - 130
Benzene	50.0	51.0	102	70 - 130
Trichloroethene	50.0	51.8	104	70 - 130
Toluene	50.0	51.1	102	70 - 130
Chlorobenzene	50.0	50.4	101	70 - 130

Sample No. : 15188

	Sample Result	MS Spike Added	MSD Spike Added	MS Result	MSD Result	MS	MSD		QC Limi	its
Analyte	µg/L	µg/L	µg/L	µg/L	_μg/L	<u>% R</u> ec.	% Rec.	RPD	% Recovery	RPD
1,1-Dichloroethene	2.1	50.0	50.0	57.6	58.1	111	112	1	61 - 145	14
Benzene	U	50.0	50.0	52.3	50.7	105	101	3	76 - 12 7	11
Trichloroethene	U	50.0	50.0	54.2	55.4	108	111	2	71 - 120	14
Toluene	U	50.0	50.0	52.2	51.0	104	102	2	76 - 125	11
Chlorobenzene	U	50.0	50.0	52.0	50.6	104	101	3	75 - 130	11

msv 809

Table 2.4	Results of the Internal	Standard Areas & Surrogate	Percent Recoveries for VOC in Soil
	WA # 0-1198 Vestal Chi	prinated Hydrocarbon Source	Assessment/Remedy

Page 1 of 1

Analysis Date Matrix	09/11/06 Soil						
File ID	Sample No.	<u>IS 1</u>	IS 2	IS 3	Surr. 1	Surr, 2	Surr. 3
BV5745D	Cai Check Area	367634	2666120	1592960			
BV5749.D	MeOH Blank B091106-1	346370	2582597	1526536	10 2	10 2	98
B∨5750.D	LCS BM 04	339326	2525871	1501388	102	101	98
BV5754.D	04109/100x	301207	2223638	1356110	10 3	100	101
BV5755.D	10190/100x	296810	2210361	1362966	104	99	101

isv1307

Analysis Date 09/12/06 Matrix Soil

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File ID	Sample No.	<u>iS 1</u>	IS 2	15 3	Surr. 1	Surr. 2	Surr. 3
BV5757D	Cal Check Area	128734	2395330	1469990			
B∨5759.D	MeOH Blank B091(206-1	J22916	2350873	1414796	105	101	99
BV5761.D	LCS BM 05	G15276	2318658	1398043	104	100	99
BV5764.D	04111/100x	294083	2158899	1339456	104	99	102
BV5765.D	04113/500x	406617	2268507	1384481	105	100	99
BV5766.D	04114/500x	208055	2307145	1397350	105	101	99
BV5767.D	04111/100x ms	287079	2154620	1335051	103	99	102
BV5768.D	04111/100x msd	288464	2179540	1331915	104	100	103
BV5769.D	04113/500x ms	310089	2314606	1414350	104	100	100
BV5770.D	04113/500 x msđ	307763	2318240	1405399	105	100	99
BV5771.D	04116/2000x	3,12133	2290419	1376817	105	101	100
3V5772.D	10193/500x	306765	227 1950	1382306	105	101	100
3V5773.D	04115/5000x	307914	2265419	1374649	106	100	100

isv1309

Anatysis Date	09/12/06
Matrix	Soil

- Contraction	800							
File ID	Sample No.	IS 1	IS 2	15 3	Surr. 1	Surr. 2	Surr. 3	
8∨5777D	Cal Check Area	320490	2335860	1426210				
B∨5779 D	MeOH Blank B091206-4	31;5559	2286315	1359567	103	102	· 10 0	
BV5780.D	10191/500x	307895	2243459	1362227	104	101	101	
BV5781.D	10192/1000x	30,0882	2250057	1356406	104	101	101	
BV5782.D	22409/25000x	30,3448	2214547	1338097	106	101	101	
BV5783.D	22428/100x	279683	2086851	1291542	105	9 9	103	
BV5784.D	23899/20000x	30:110	2218923	1339841	105	101	100	
BV5785.D	1 515 9/500x	300712	2200495	1346278	106	10 0	100	
BV5787.D	15158/200x	29,260	2160471	1329841	105	100	103	
BV5788.D	23898/100x	273600	2042777	1256175	106	100	105	
BV5790.D	15156/20000x	300666	2214793	1327627	106	101	101	
B∨5791 D	15160/10000x	296465	2190202	1322583	107	101	101	
BV5792.D	15167/100x	274504	2034964	1259166	105	100	104	
BV5793.D	15178/5000x	294,809	2148711	1306033	105	101	101	

isv1310

Internal Standards	Surrogate Standards	<u>Limits</u> Soil
IS 1= Bromochloromethane.	Surr. 1= 1,2-Dichloroethane-d4	70-121
S 2= 1,4-Difluorobenzene	Surr 2= Toluene-d8	34-138
IS 3= Chlorobenzene-d5	Surr. 3≈ p-Bromofluorobenzene	59-113

Analysis Date Matrix	09/12/06 Soil						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
AV5020D	Cal Check Area	214729	1393827	78438 6			
AV5024.D	Soil Blank A091206-4	179799	1238902	658698	111	104	88
AV5025.D	LCS AS 32	171554	1222437	655071	114	103	86
AV5026.D	04108	150478	1077363	5788 94	118	104	84
AV5029.D	04110/5x	152374	1064695	57796 5	121	104	84
AV5033.D	15157/10x	140947	984213	539993	127 •	105	80
AV5034.D	15179/5x	140057	955243	533283	123 *	104	83
AV5035.D	15177/2x	118320	783900	436321	124 *	105	78
							isv1311

Table 2.4 (cont.) F	Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Sol	j_
WA #	# 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy	

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Analysis Date 09/13/06 Matrix Soil

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File ID	Sample No.	IS 1	<u>IS 2</u>	IS 3	Surr. 1	Surr. 2	Sun, 3
AV5039D	Cal Check Area	160886	1081630	64671 6			
AV5041.D	Soil Blank A 091306-2	149690	1058045	578481	119	105	84
AV5042.D	04112/2x	101836	564400	370018	122 *	102	81
AV5043.D	04112/2x ms	147349	1058454	591295	124 *	101	82
AV5044.D	04112/2x msd	145776	1059099	587633	125 *	102	82
AV5045.D	15157/10x	142974	992384	552186	126 *	103	81
AV5046.D	15179/5x	138488	948860	531995	125 *	104	82
AV5047.D	15177/2x	134839	940737	527767	124 •	104	79
							isv1312

Analysis Date Matrix	09/13/06 Soil						
File ID	Sample No	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV5795D	Cal Check Area	305775	2233380	1412210			
BV5796.D	MeOH Blank B091306-1	305152	2251573	1371849	107	100	97
BV5797.D	15168/500x	297835	221020 6	1360424	108	100	98
BV5798.D	15154/500x	298376	2202550	1367092	108	100	97
BV5799.D	15168/500 x ms	294621	2223478	1381999	109	99	97
BV5800.0	15168/500x msd	296446	2217635	1379077	108	99	97
BV5801.D	04114/1000x	294712	2209324	1355968	109	100	97
BV5802.D	15 194/4000x	296339	2177701	1344778	109	100	97
BV5803.D	15158/500x	295630	2237108	1380779	108	10 0	96
3∨5804.D	23898/500x	301090	2242915	1394750	109	100	97
3V5805.D	15155/20000x	295869	2196651	1347408	10 8	100	97
	<u>.</u>						isv1313
	Internal Standards		S	urrogate Standa	rds	<u>Limits</u> Soil	
IS 1=	Bromochloromethane		Surr. 1=	1.2-Dichloroeth	ane-d4	70-121	
	1.4-Difluorobenzene		Surr 2=	Toluene-d8		84-138	
· • =	Chlorobenzene-d5		Surr. 3=	p-Bromofluorob	enzene	59-113	

Analysis Date	09/15/06						
Matrix	Soil						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr.
AV5068D	Cal Check Area	145861	933651	580872			
AV5070.D	Soil Blank A091506-2	136346	954204	53316 6	98	108	10
AV5071.D	15180/10x	135221	92336 9	509082	9 9	109	9
AV5072.D	15166	129410	906176	498239	97	108	100
AV5073.D	15153/2x	128427	888248	493889	98	10 8	100
AV5074.D	15161	118966	854338	463378	97	110	100
AV5076.D	15163	115119	800368	432027	97	111	100
AV5077.D	15164	47035 •			99	108	- 99
AV5078.D	15165	115203	803320	439851	96	109	100
AV5083.D	15162/10x	111564	769280	424590	98	109	103
AV5085.D	15164	59301 *		222288 *	99	109	102
							isv1316
Analysis Date Matrix	060825 Soil						
File (D	Sample No.	<u>,S 1</u>	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
3V5315.D	Cal Check Area	168464	1403110	894290			
3V5318.D	Soil Blank B 082506-2	16,2459	1401174	826544	109	102	86
V5319.D	LCS-BS-94	15/045	1455203	846483	109	102	83
V5320.D	04131	15,1772	1265580	723882	107	106	79
V5321.D	04131 ms	14,1965	1336090	745767	107	106	80
V5322.D	04131 msd	133225	1302049	694324	103	109	76
V5323.D V5324.D	04182 04183	145210 140711	1103151 1189497	472327 682612	10 5 104	126 107	61 82
V5325.D	04184	146050	1235204	729286	104	104	82
V5326 D	04185	16(208	1333659	850192	107	99	83
		165038	1372970	870055	106	98	85
V5327.D	04186	102030					
	04186	145,893	1314663	810218	107	102	83
V5327.D V5328.D V5329.D				810218 823351	10 7 10 8	102 10 6	83 83
V5328.D	04187	145,893	1314663			106	
V5328.D	04187	145,893	1314663 1333134			106	83
v5328.D v5329.D	04187 04188	145,893	1314663 1333134 Sun	823351	108	106	83
v5328.D v5329.D IS 1=	04187 04188 Internal Standards	145,893	1314663 1333134 Sun	823351 rogate Standards Dichloroethane-d	108	106 Limits Soil	83

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Analysis Date Matrix	060826 Soli						
File ID	Sample No.	iS 1	IS 2	IS 3	Surr. 1	Surr, 2	Surr. 3
BV5333.D	Cal Check Area	167493	1402160	870301			
			1402100	8/0301			
BV5335 D	Soil Blank B 082606-2	158872	1355769	794462	110	102	56
BV5336.D	04198	176663	1516310	903772	110	109	85
BV5337.D	04199	165178	1428827	771653	105	111	78
BV5338 D	04200	153644	1367444	751247	105	109	79
BV5339.D	15134	162342	1349361	772833	110	104	82
BV5340.D	15154	152498	1209291	666972	107	109	80
BV5341.D	15154 ms	133664	1286814	714462	106	106	81
BV5342.D	15154 msd	139562	1321332	732609	103	106	80
8V5343.D	15155	135419	1130654	634042	106	108	80
BV5344.D	15156	135001	1049378	597077	109	108	81
BV5345.D	15157	141730	1159485	670255	108	106	82
BV5346.D	15158	144300	1200708	709213	105	111	90
BV5347.D	15159	136466	1165290	666731	108	107	82
BV5348.D	15160	139495	1168444	580787	112	105	82
							isv1274
malysis Date	060826						
Aatrix	Soil						
ile ID	Sample No.	IS 1	is 2	IS 3	Surr_1	Surr. 2	Surr. 3
V5350.D	Cal Check Area	161226	1336300	648819			
V5351.D	Soil Blank 082606-1	165225	1417536	808109	108	104	84
V5352.D	LCS BS 95	160648	1459178	843605	110	102	83
V5359.D	19162/5x	148215	1309923	753644	112	106	82
/5360.D	19162/5x MS	132395	1352325	755543	109	105	80
/5361.D					100		81
	19162/5x MSD	123594	1281239	705406	108	106	a (
/5362 D	19162/5x MSD 19163/5x	1235 94 153437	1281239 1311190	705406 765938	111	106	82
/5364.D	19163/5x 19164/5x	153437 135401					82 79
/5364.D /5365 D	19163/5x 19164/5x 19165/5x	153437 135401 148742	1311190 1270259 1291014	765938 712901 750593	111 111 112	104 108 105	82 79 83
/5364 D /5365 D /5366 D	19163/5x 19164/5x 19165/5x 04181/5x	153437 135401 148742 155638	1311190 1270259	765938 712901	111 111	104 108	82 79 83 83
/5364.D /5365.D /5366.D /5353.D	19163/5x 19164/5x 19165/5x 04181/5x 04182/10x	153437 135401 148742 155638 171935	1311190 1270259 1291014 1302840 1361594	765938 712901 750593	111 111 112 111 107	104 108 105 105	82 79 83 83 79
/5365 D /5366 D /5353 D /5354 D	19163/5x 19164/5x 19165/5x 04181/5x 04182/10x 04182/10x	153437 135401 148742 155638 171935 166831	1311190 1270259 1291014 1302840 1361594 1346193	765938 712901 750593 762099 771025 797131	111 111 112 111 107 106	104 108 105 105 106 104	82 79 83 83 79 83
/5364.D /5365.D /5366.D /5353.D /5354.D /5355.D	19163/5x 19164/5x 19165/5x 04181/5x 04182/10x 04182/10x 04184/10x 04200/10x	153437 135401 148742 155638 171935 166831 158034	1311190 1270259 1291014 1302840 1361594	765938 712901 750593 762099 771025	111 112 111 107 106 110	104 108 105 105 106 104 106	82 79 83 83 79 83 62
/5364 D /5365 D /5366 D /5353 D /5354 D /5355 D 5356 D	19163/5x 19164/5x 04181/5x 04182/10x 04182/10x 04184/10x 04200/10x 19154/5x	153437 135401 148742 155638 171935 1660831 158034 160927	1311190 1270259 1291014 1302840 1361594 1346193 1341862 1292536	765938 712901 750593 762099 771025 797131 169593 734155	111 111 112 111 107 106 110 106	104 108 105 105 106 104 106 107	82 79 83 83 79 83 62 80
/5364 D /5365 D /5366 D /5353 D /5354 D /5355 D 5356 D	19163/5x 19164/5x 19165/5x 04181/5x 04182/10x 04182/10x 04184/10x 04200/10x	153437 135401 148742 155638 171935 166831 158034	1311190 1270259 1291014 1302840 1361594 1346193 1341862	765938 712901 750593 762099 771025 797131 169593	111 112 111 107 106 110	104 108 105 105 106 104 106	82 79 83 83 79 83 62
/5364 D /5365 D /5366 D /5353 D /5354 D /5355 D 5356 D	19163/5x 19164/5x 04181/5x 04182/10x 04182/10x 04184/10x 04200/10x 19154/5x	153437 135401 148742 155638 171935 1660831 158034 160927	1311190 1270259 1291014 1302840 1361594 1346193 1341862 1292536	765938 712901 750593 762099 771025 797131 169593 734155	111 111 112 111 107 106 110 106	104 108 105 105 106 104 106 107 108	82 79 83 83 79 83 62 80
/5364 D /5365 D /5366 D /5353 D /5354 D /5355 D /5356 D 5356 D	19163/5x 19164/5x 04181/5x 04182/10x 04182/10x 04184/10x 04200/10x 19154/5x	153437 135401 148742 155638 171935 1660831 158034 160927	1311190 1270259 1291014 1302840 1361594 1346193 1341862 1292536 1297647	765938 712901 750593 762099 771025 797131 169593 734155	111 111 112 111 107 106 110 106 105	104 108 105 105 106 104 106 107 108	82 79 83 83 79 83 82 80 81
/5364.D /5365.D /5356.D /5353.D /5354.D /5355.D 5356.D 5356.D 5358.D 1	19163/5x 19164/5x 19165/5x 04181/5x 04182/10x 04182/10x 04184/10x 04200/10x 19154/5x 19158/5x 19158/5x	153437 135401 148742 155638 171935 1660831 158034 160927	1311190 1270259 1291014 1302840 1361594 1346193 1341862 1292536 1297647	765938 712901 750593 762099 771025 797131 169593 734155 751085	111 111 112 111 107 106 110 106 105	104 108 105 105 106 104 106 107 108 i Limits Soil	82 79 83 83 79 83 82 80 81
/5364 D /5365 D /5366 D /5353 D /5353 D /5355 D /5355 D /5356 D /5358 D // // // // // // // // // // // // //	19163/5x 19164/5x 19165/5x 04181/5x 04182/10x 04182/10x 04182/10x 04182/10x 04200/10x 19154/5x 19158/5x	153437 135401 148742 155638 171935 1660831 158034 160927	1311190 1270259 1291014 1302840 1361594 1346193 1341862 1292536 1297647	765938 712901 750593 762099 771025 797131 169593 734155 734155 751085	111 111 112 111 107 106 110 106 105	104 108 105 105 106 104 106 107 108	82 79 83 83 79 83 82 80 81

Table 2.4 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil WA# 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy

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Analysis Date Matrix	060827 Soil						
File ID	Sample No.	, IS 1	IS 2	/S 3	Surr. 1	Surr. 2	Surr. 3
BV5370.D	Cai Check Area	155659	1404140	832393			
BV5372.D	Soil Blank B 082706-2	1,50489	1401067	811309	110	103	84
3V5373.D	19169	140491	1240552	705735	111	105	81
3V5375.D	19168/5x	145362	1287291	741337	111	105	81
3V5376.D	19170/5x	142097	1256753	690805	113	110	77
3V5377.D	15135/10x	1,30537	1166495	652007	112	109	77
3V5378.D	15137/10x	1,50422	1284840	757930	111	104	87
SV5379 D	15138/5x	1,32674	1160562	670718	115	106	80
V5380.D	23733/5x	1,6458	1454732	861073	117	105	87
V5381 D	23734/5x	140910	1425991	801729	109	104	86
V5382.D	23736/5x	1.9274	1320600	756953	111	105	83
V5383.D	23879/5x	1-3331	1327217	793561	116	106	87
V5384 D	23870/5×	1613 83	1400998	791641	109	105	84
V5385.D	23876/5x	144902	1316279	747913	108	105	82

Table 2.4 (cont.) Reputs of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil WA# J-198 Vestai Cplorinated Hydrocarbon Source Assessment/Remedy

isv1276

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Analysis Date Matrix	060827 Soil						
File ID	Sample No.	<u>1;5 1</u>	IS 2	IS 3	Sun 1	Surr. 2	Surr. 3
BV5391 D	Cał Check Area	16 067	1464310	903965			
BV5392.D	soil blank B 082706-3	160 702	1513526	859073	105	104	85
BV5393 D	19161/10x	16-5993	1361954	711551	107	111	72
8V5395.D	04197/5x	134923	1276253	722807	109	105	81
BV5397.D	23875/5x	145,402	1300784	751584	113	105	81
8V5398.D	23877/5x	142433	1313392	751505	115	106	82
BV5399.D	23739/5x	152230	1336639	778526	113	104	81
BV5400.D	23873/5x	154398	1347966	766617	115	105	81
BV5401.D	23737/5x	148457	1294647	735281	115 -	105	82
BV5402 D	23738/5x	131,581	1234677	703509	112	107	79
BV5403 D	23882/5x	153059	1340449	802392	113	106	82
BV5404.D	23883/5x	148,096	1281238	753792	113	105	82
8V5406.D	23878/5x	138,273	1141751	539091	105	122	65
8V5407.D	23881/5x	152,02	1584288	984366	125	97	87
8V5408.D	23880/5x	180,200	171521 5	916623	99	10 9	92
	······						ISV1278
	Internal Standards		Su	rrogate Standard	is	Limits	
15.1.4	Bromochloromethane		S	Deblerathere		Soil	
				Dichloroethane	-04	70-121	
	1,4-Difluorobenzene		Surr. 2= To			84-138	
15 3=	Chlorobenzene-d5		Sun, 3= p-8	Iromofluorobenzi	ene	59-113	

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Analysis Oat	e 060828						
Matrix	Soil						
File ID	Sample No.	<u>_IS 1</u>	<u>IS 2</u>	IS 3	<u>Surr.</u> 1	Surr. 2	Surr. 3
8V5415.D	Cal Check Area	160543	1348590	849832			
8V5417.D	Soil Blank B082806-2	166776	1380535	820255	110	101	86
8V5418.D	LCS-8S-96	157978	1381938	829620	111	100	84
8V5421.D	23734/10x	143663	1217239	741910	119	101	84
8V5422.D	00398/5x	139032	1163418	711395	118	102	82
8V5423.D	00394/5x	129482	1114389	679040	120	103	86
8V5424 D	00393/5x	137696	1189481	722654	119	101	86
BV5426.D	23888/5x	135488	1158694	699461	116	102	82
BV5427.D	00392/5x	126135	1130799	690512	121	103	83
BV5428.D	00624/5x	132282	1145921	695696	117	102	82
BV5429.D	00396/5×	133794	1206686	798777	122	• 99	91
BV5430.D	00399/5x	211641	163 9859	975737	74	102	102
							isv1279
Analysis Date	060830						
Viatrix	Soil						
		•					
ite ID	Sample No.	IS 1	IS 2	15 3	Surr. 1	Surr. 2	Surr. 3
V5466.D	Cal Check Area	374532	2699000	1461419			
V5474.D	Soil Blank B 083006-1	258578	1998888	997354	111	105	83
V5475.D	23884/5x	254841	1899359	975643	117	103	84
V5476 0	23884/5x MS	206671	1785453	906904	118	103	82
V5477 D	23884/5x MSD	198328	1689838	856109	118	103	80
							isv1284
nalysis Date atrix:	060905 Spil						
le ID	Sample No.	IS 1	iS 2	IS 3	Surr. 1	Surr. 2	Surr, 3
/5466.D	Cal Check Area	286434	2036260	1165800	3017.1		<u>Sun 3</u>
/5634 D /5635.D	MeOH Blank 8 090506-2 00628/100000x	296963	2095545	1142265	9 9	104	99
5636.D	23894/100x	293831	2109604	1139941	98	105	102
5637 D	00391/1000x	279627	1983098	1120954	99	102	103
		275257	1935084	1069258	101	103	99
							isv1284
	Internal Standards		Sur	rogale Standards	• -	Limits Water	
	Bromochloromethane			Dichloroethane-o	14	76-114	
	1,4-Difluorobenzene		Surr. 2= Tolu			88-110	
	Chlorobenzene-d5		Surr. 3≖ p-Br			86-115	

Table 2.4 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil WA# 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy

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							Page 7 of
Analysis Dati	e 060826						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr.
BV5632 D	Cal Check Area	2,03188	1484240	826512			
AV4535.D	Methanol blank A08/2706-1	1,28209	1497603	792266	108	103	89
AV4537 D	04185/100x	1,2752	1450100	774928	108	103	87
AV4538.D	04185/100x ms	1,15875	1505656	815991	109	101	85
AV4539.D	04185/100x msd	211327	1520340	825077	109	100	85
AV4540 D	04186/100x	192627	1442271	790034	108	102	88
AV4541.D	04187/100x	198378	1499829	799430	109	103	86
AV4542.D	04188/100x	197289	1492894	798649	108	103	87
AV4544.D	04199/100x	195683	1499101	801203	110	103	86
	<u> </u>						ISV127
Analysis Date	060829						
Matrix:	Soil						
File ID	Sample No.	131	1\$ 2	IS 3	Surr. 1	Surr. 2	Surt. 3
AV4585 D	Cal Check Area	19,5101	1352880	742665			
AV4586.D	Methanol Blank A 082906-1	194051	1398117	753652	104	102	91
AV4587.D	04185/200x	194620	1430537	751375	106	103	68
AV4588.D	04198/200x	19 712	1394847	739 877	106	103	89
V4599.D	23733/50x	197245	1414899	817322	109	98	95
V4601.D	23879/100x	210598	1539268	865335	104	99	92
							ISV1280
nalysis Date	060830						
atrix	Soil						
	Soil Sample No	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
ile ID		IS <u>1</u> 214 1/ 23	IS 2 1482035	IS 3 877838	Sunt. 1	Surr. 2	Surr. 3
ile ID V4609 D	Sample No.	*			Sunr. 1 10 5	Surr. 2 98	<u>Surr. 3</u> 93
ile ID V4609 D V4611 D	Sample No. Cai Check Area Methanol Blank A 083006-2 23875/50x	214923	1482035	877838			
V4609 D V4611 D V4614 D V4615 D	Sample No. Cal Check Area Methanol Blank A 083006-2 23875/50x 23877/100x	214923 201-75 189515 194529	1482035 1441033 1382790 1419323	877838 832112	105 109 108	98 97 98	93
V4609 D V4611 D V4614 D V4615 D V4616 D	Sample No. Cal Check Area Methanol Blank A 083006-2 23877/100x 23877/100x 23877/100x ms	214923 201-75 189515 194529 193127	1482035 1441033 1382790 1419323 1446853	877838 832112 795863 824150 841753	105 109 108 107	98 97 98 97	93 95 94 93
V4609 D V4611 D V4614 D V4615 D V4616 D V4617 D	Sample No. Cai Check Area Methanol Blank A 083005-2 23875/50x 23877/100x 23877/100x ms 238771100x msd	214923 201 - 75 189515 194529 193127 194652	1482035 1441033 1382790 1419323 1446853 1444393	877838 832112 795863 824150 841753 845850	105 109 108 107 108	98 97 98 97 96	93 95 94 93 93
V4609 D V4611 D V4614 D V4615 D V4616 D V4617 D V4618 D	Sample No. Cai Check Area Methanol Blank A 083Q05-2 23875/50x 23877/100x 23877/100x ms 23877/100x ms 23877/100x ms 23877/100x	214923 201-75 189515 194529 193527 194552 191553	1482035 1441033 1382790 1419323 1446853 1444393 1397271	877838 832112 795863 824150 841753 845850 807481	105 109 108 107 108 109	98 97 98 97 96 97	93 95 94 93 93 96
ile ID V4609 D V4611 D V4614 D V4615 D V4615 D V4616 D V4618 D V4619 D	Sample No. Cal Check Area Methanol Blank A 083006-2 23877/100x 23877/100x ms 23877/100x ms 23877/100x ms 2373%50x 23873/100x	214423 201475 189515 194529 193527 194552 191553 196839	1482035 1441033 1382790 1419323 1446853 1444393 1397271 1445154	877838 832112 755863 824150 841753 845850 807481 825531	105 109 108 107 108 109 106	98 97 98 97 96 97 99	93 95 94 93 93 96 93
ile ID V4609 D V4611 D V4614 D V4615 D V4615 D V4616 D V4619 D V4619 D V4620 D	Sample No. Cai Check Area Methanol Blank A 083C05-2 23877/100x 23877/100x ms 23877/100x ms 23877/100x msd 23739/50x 23873/100x 23737/50x	214923 201-75 189515 194529 193527 194552 191553 196839 188513	1482035 1441033 1382790 1419323 1446853 1444393 1397271 1445154 1383434	877838 832112 795863 824150 841753 845850 807461 825531 801275	105 109 108 107 108 109 106 107	98 97 98 97 96 97 99 99	93 95 94 93 93 96 93 96
V4609 D V4611 D V4614 D V4615 D V4615 D V4616 D V4618 D V4618 D V4620 D V4622 D	Sample No. Cai Check Area Methanol Blank A 083QD5-2 23877/100x 23877/100x ms 23877/100x msd 23739/50x 23873/100x 23737/50x 23878/100x 23737/50x	214423 201-75 189515 194529 193527 194552 191553 196839 188513 193640	1482035 1441033 1382790 1419323 1446853 144493 1397271 1445154 1383434 1457799	877838 832112 795863 824150 845850 807481 825531 801275 839547	105 109 108 107 108 109 106 107 107	98 97 98 97 96 97 99 97 97	93 95 94 93 96 93 96 94
V4609 D V4611 D V4615 D V4615 D V4616 D V4617 D V4619 D V4619 D V4620 D V4622 D	Sample No. Cal Check Area Methanol Blank A 083Q06-2 23875/50x 23877/100x ms 23877/100x ms 23877/100x ms 23877/100x ms 23873/100x ms 23873/100x 23873/100x 23873/100x 23872/100x ms 23882/100x ms 23882/100x msd	214423 201:75 189515 194529 193127 194552 191553 196839 188513 193640 193948	1482035 1441033 1382790 1419323 1446853 1444393 1397271 1445154 1383434 1457799 1454537	877838 832112 795863 824150 845850 807481 825531 807481 825531 801275 839547 836214	105 109 108 107 108 109 106 107 107 106	98 97 98 97 96 97 99 97 97 97	93 95 94 93 93 93 96 94 94 93
V4609 D V4611 D V4614 D V4615 D V4615 D V4615 D V4619 D V4619 D V4619 D V4620 D V4622 D V4623 D V4624 D	Sample No. Cal Check Area Methanol Blank A 083CD6-2 23875/50x 23877/100x ms 23877/100x ms 238737/100x ms 23873/100x 23739/50x 23873/100x 23873/100x 23873/100x 23882/100x ms 23882/100x ms 23882/100x ms	214423 201-75 1895-15 1945-29 1935-27 1946-52 1965-23 1968-99 1885-13 1936-40 1939-98 1893-3	1482035 1441033 1382790 1419323 1446853 1444393 1397271 1445154 1383434 1457799 1454537 1403972	877838 832112 795863 824150 841753 845850 807461 825531 801275 839547 836214 804714	105 109 108 107 108 109 106 107 107 106 107	98 97 96 97 99 97 99 97 97 97 97 97	93 95 94 93 93 96 93 96 94 93 95
V4609 D V4611 D V4614 D V4615 D V4615 D V4616 D V4618 D V4619 D V4620 D V4620 D V4623 D V4623 D V4624 D	Sample No. Cal Check Area Methanol Blank A 083Q06-2 23875/50x 23877/100x ms 23877/100x ms 23877/100x ms 23877/100x ms 23873/100x ms 23873/100x 23873/100x 23873/100x 23872/100x ms 23882/100x ms 23882/100x msd	214423 201:75 189515 194529 193127 194552 191553 196839 188513 193640 193948	1482035 1441033 1382790 1419323 1446853 1444393 1397271 1445154 1383434 1457799 1454537	877838 832112 795863 824150 845850 807481 825531 807481 825531 801275 839547 836214	105 109 108 107 108 109 106 107 107 106	98 97 98 97 96 97 99 97 97 97	93 95 94 93 93 93 96 94 94 93
ile ID V4609 D V4611 D V4615 D V4615 D V4615 D V4616 D V4619 D V4619 D V4619 D V4620 D V4623 D V4623 D	Sample No. Cal Check Area Methanol Blank A 083CD6-2 23875/50x 23877/100x ms 23877/100x ms 238737/100x ms 23873/100x 23739/50x 23873/100x 23873/100x 23873/100x 23882/100x ms 23882/100x ms 23882/100x ms	214423 201-75 1895-15 1945-29 1935-27 1946-52 1965-23 1968-99 1885-13 1936-40 1939-98 1893-3	1482035 1441033 1382790 1419323 1446853 1444393 1397271 1445154 1383434 1457799 1454537 1403972	877838 832112 795863 824150 841753 845850 807461 825531 801275 839547 836214 804714	105 109 108 107 108 109 106 107 107 106 107	98 97 98 97 96 97 99 97 97 97 97 98 105	93 95 94 93 93 96 93 96 94 93 95
V4609 D V4611 D V4614 D V4615 D V4615 D V4618 D V4619 D V4619 D V4619 D V4620 D V4620 D V4620 D V4622 D V4622 D V4624 D V4625 D	Sample No. Cal Check Area Methanol Blank A 083CD6-2 23875/50x 23877/100x ms 23877/100x ms 238737/100x ms 23873/100x 23739/50x 23873/100x 23873/100x 23873/100x 23882/100x ms 23882/100x ms 23882/100x ms	214423 201-75 1895-15 1945-29 1935-27 1946-52 1965-23 1968-99 1885-13 1936-40 1939-98 1893-3	1482035 1441033 1382790 1419323 1446853 1444393 1397271 1445154 1383434 1457799 1454537 1403972 1463882	877838 832112 795863 824150 841753 845850 807461 825531 801275 839547 836214 804714	105 109 108 107 108 109 106 107 107 106 107	98 97 96 97 97 97 97 97 97 97 98 105	93 95 94 93 96 93 96 94 93 96 104
ile ID V4609 D V4611 D V4615 D V4615 D V4616 D V4616 D V4619 D V4619 D V4619 D V4620 D V4620 D V4623 D V4623 D V4624 D	Sample No. Cal Check Area Methanol Blank A 083C06-2 23875/50x 23877/100x 23877/100x ms 23877/100x ms 23877/100x ms 23877/100x ms 23877/100x ms 23873/50x 23873/100x ms 23882/100x ms 23882/100x msd 23878/50x 23881/100x msd 23878/50x 23881/50x 23881/50x	214423 201-75 1895-15 1945-29 1935-27 1946-52 1965-23 1968-99 1885-13 1936-40 1939-98 1893-3	1482035 1441033 1382790 1419323 1446853 1444393 1397271 1445154 1383434 1457799 1454537 1403972 1463882	877838 832112 795863 824150 841753 845850 807461 825531 801275 839547 836214 804714 1011627	105 109 108 107 108 109 106 107 107 107 107 107	98 97 96 97 99 97 97 97 97 98 105	93 95 94 93 96 93 96 94 93 96 104
i\$ 1=	Sample No. Cai Check Area Methanol Blank A 083Q05-2 23875/50x 23877/100x ms 23877/100x msd 23739/50x 23873/100x msd 23737/50x 23882/100x msd 23882/100x msd 23882/100x msd 23882/100x msd 23882/100x	214423 201-75 1895-15 1945-29 1935-27 1946-52 1965-23 1968-99 1885-13 1936-40 1939-98 1893-3	1482035 1441033 1382790 1419323 1446853 1444393 1397271 1445154 1383434 1457799 1454537 1403972 1463882	877838 832112 795863 824150 841753 845850 807481 825531 839547 836214 804714 1011627	105 109 108 107 108 109 106 107 107 107 107 107 107	98 97 96 97 97 97 97 97 97 97 98 105	93 95 94 93 96 93 96 94 93 96 104

Table 2.4 (cont.) Rejults of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Sol WA# 3-198 Vestal Cylorinated Hydrocarbon Source Assessment/Remedy

Table 2.4 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil	
WA# 0-198 Vestal Chlonnated Hydrocarbon Source Assessment/Remedy	

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Analysis Dal Matrix	le 060831 Soil						
File ID	Sample No.	IS 1	IS 2	<u>IS 3</u>	Surr. 1	Surr. 2	Sur
AV4645.D	Cal Check Area	290096	1983200	1084320			
AV4649 D	Methanol Blank A 083106-;	2 216001	1540250	866897	108	101	9
AV4650 D	04198/40x	200103	1468348	865791	111	101	10
AV4651.D	23881/10000x	214416	1538275	865297	108	102	93
AV4653.D	23733/10000x	200364	1415540	799379	112	102	95
AV4654.D	00394/50x	190516	1374735	799498	110	100	94
AV4655.D	00394/50x ms	189997	1410025	822837	109	98	99
AV4656 D	00394/50x msd	192489	1439461	838604	111	98	10
<u></u>							ISVI
Analysis Date Matrix	060906 Soit						
		10.4				0 0	•
File ID	Sample No.	is 1	IS 2	<u>IS</u> 3	<u>Sun. 1</u>	Surr. 2	Surr
AV4837 0	Cal Check Area	224624	1633780	907969			
AV4838.D	MeOH Blank A 090606-1	221580	1648560	887487	105	105	95
AV4842.D	00396/100x	205929	1618842	886717	101	104	98
AV4843.D	0D399/500x	233023	1715518	914336	104	106	95
AV4844.D	00399/10000x	224277	1621561	870875	104	106	95
							ISV129
vnalysis Date latnx ile ID	060907 Soil Sample No.	iS 1	IS 2	IS 3	Surr. 1	Surr 2	Surr. 3
V4860.0	Cal Check Area	215853	1555470	903098			
V4861.D	MeOH Blank A 090706-1	217393	1596113	874644	109	104 104	93
(40CO D		202644					91
	00628/200000x 00391/10000x	203544 202147	1479505 1469730	827305 821515	114 114	104	90
	00628/200000x						90
v4870.D nalysis Date	00628/200000x 00391/10000x 060827						90
v4870.D nalysis Date atrix	00628/200000x 00391/10000x 060827 Soil	202147	1469730	821515	114	104	90 ISV1298
v4870.D nalysis Date atrix e ID	00628/200000x 00391/10000x 060827 Soil Sample No.	202147 IS 1	1469730 	821515 IS 3			90
v4870.D halysis Date atrix e ID 4534D	00628/200000x 00391/10000x 060827 Soil Sample No Cal Check Area	202147 <u>IS 1</u> 203188	1469730 <u>IS 2</u> 14842 4 0	821515 IS 3 826512	114 Surr. 1	104 Surr 2	90 ISV1298 Surr. 3
v4870.D halysis Date atrix e ID 4534D 4535.D	00628/200000x 00391/10000x 060827 Soil Sample No. Cal Check Area Methanol blank A082706-1	202147 <u>IS 1</u> 203188 198209	1469730 <u>IS 2</u> 1484240 1497803	821515 IS 3 826512 792256	114 <u>Surr. 1</u> 108	104 <u>Surr. 2</u> 103	90 ISV1298 Surr. 3
v4870.D halysis Date atrix e ID 4534D 4535.D 4536.D	00628/200000x 00391/10000x 060827 Soil Sample No. Cal Check Area Methanol blank A082706-1 LCS AM 08	202147 <u>IS 1</u> 203188 198209 190350	1469730 <u>IS 2</u> 1484240 1497803 1433627	821515 IS 3 826512 792266 782318	114 Surr. 1 108 109	104 Surr. 2 103 100	90 ISV1298 Surr. 3 89 87
v4870.D halysis Date atrix e ID 4534D 4535.D 4536.D 4547.D	00628/200000x 00391/10000x 060827 Soil Sample No. Cal Check Area Methanol blank A082706-1 LCS AM 08 19167/500x	202147 <u>IS 1</u> 203188 198209 190350 194293	1469730 <u>IS 2</u> 1484240 1497803 1433627 1478141	821515 IS 3 826512 792266 782318 792360	114 Surr. 1 108 109 110	104 Surr. 2 103 100 103	90 ISV1298 Surr. 3 89 87 86
v4870.D halysis Date atrix e ID 4534D 4535.D 4536.D 4547.D	00628/200000x 00391/10000x 060827 Soil Sample No. Cal Check Area Methanol blank A082706-1 LCS AM 08	202147 <u>IS 1</u> 203188 198209 190350	1469730 <u>IS 2</u> 1484240 1497803 1433627	821515 IS 3 826512 792266 782318	114 Surr. 1 108 109	104 Surr. 2 103 100	90 ISV1298 Surr. 3 89 87
V4869.D V4870.D aliysis Date atrix e ID /4534D /4535.D 4536.D 4547.D 4548.D	00628/200000x 00391/10000x 060827 Soil Sample No. Cal Check Area Methanol blank A082706-1 LCS AM 08 19167/500x 19167/10000x	202147 <u>IS 1</u> 203188 198209 190350 194293	1469730 <u>IS 2</u> 1484240 1497803 1433627 1478141 1430158	821515 IS 3 826512 792266 782318 792360 774964	114 Surr. 1 108 109 110 113	104 Surr. 2 103 100 103 102 ;5	90 ISV1298 Surr. 3 89 87 86
v4870.D halysis Date atrix e ID (4534D (4535.D 4536.D 4536.D 4547.D 4548.D	00628/200000x 00391/10000x 060827 Soil Sample No. Cal Check Area Methanol blank A082706-1 LCS AM 08 19167/500x	202147 <u>IS 1</u> 203188 198209 190350 194293	1469730 <u>IS 2</u> 1484240 1497803 1433627 1478141 1430158	821515 IS 3 826512 792266 782318 792360	114 Surr. 1 108 109 110 113	104 Surr. 2 103 100 103 102 Limits	90 ISV1298 Surr. 3 89 87 86 86
v4870.D halysis Date atrix e ID 4535.D 4535.D 4536.D 4547.D 4547.D 4548.D	00628/200000x 00391/10000x 060827 Soil Sample No. Cal Check Area Methanol blank A082706-1 LCS AM 08 19167/500x 19167/10000x	202147 <u>IS 1</u> 203188 198209 190350 194293	1469730 <u>IS 2</u> 1484240 1497803 1433627 1478141 1430158 Surr	821515 IS 3 826512 792266 782318 792360 774964 ogate Standards	114 Surr. 1 108 109 110 113	104 Surr. 2 103 100 103 102 Limits Water	90 ISV1298 Surr. 3 89 87 86 86
v4870.D halysis Date atrix e ID 4535.D 4535.D 4535.D 4536.D 4547.D 4548.D	00628/200000x 00391/10000x 060827 Soil Sample No. Cal Check Area Methanol blank A082706-1 LCS AM 08 19167/500x 19167/10000x internal Standards Bromochicromethane	202147 <u>IS 1</u> 203188 198209 190350 194293	1469730 <u>IS 2</u> 1484240 1497803 1433627 1478141 1430158 Surr Surr 1= 1 2-C	821515 IS 3 826512 792266 782318 792360 774964 ogate Standards Dichloroethane-d4	114 Surr. 1 108 109 110 113	104 Surr. 2 103 100 103 102 Limits Water 6 - 114	90 ISV1298 Surr. 3 89 87 86 86
/4870.D halysis Date atrix e ID 4534D 4535.D 4536.D 4536.D 4547.D 4548.D	00628/200000x 00391/10000x 060827 Soil Sample No. Cal Check Area Methanol blank A082706-1 LCS AM 08 19167/500x 19167/10000x	202147 <u>IS 1</u> 203188 198209 190350 194293	1469730 <u>IS 2</u> 1484240 1497803 1433627 1478141 1430158 Surr Surr 1= 1 2-C Surr 2= Tolui	821515 IS 3 826512 792266 782318 792360 774964 ogate Standards Dichloroethane-d4	114 Surr. 1 108 109 110 113	104 Surr. 2 103 100 103 102 Limits Water	90 ISV1298 Surr. 3 89 87 86 86

Analysis Date Matrix	060826 Soil						
AV4585D	Cal Check Area	1,15101	1351880	742665			
AV4586.D	Methanol Blank A,082906-1	1 195051	1398117	753652	104	102	91
AV4590.D	15136/50x	1:8421	1313252	716299	108	10 2	90
AV4591.D	15139/50x	144008	1351709	732339	108	102	90
AV4592.D	15140/500x	148637	1362631	723885	107	103	87
AV4593.D	15141/50x	14066 6	1350138	735611	106	102	86
AV4596.D	23719/5000x	1\$7564	1399208	787152	107	9 9	89
AV4597.D	23718/5000x	19,5084	1386148	796842	110	99	89
							ISV128
Analysis Date Matrix	060829 Sail						
File ID	Sample No.	15 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
AV4609D	Cał Check Area	21 ₄ 023	1482035	877838			
AV4611.D	Methanol Blank A 083006-2	201475	1441033	832112	105	9 8	93
AV4612.D	15142/50x	185254	1369876	796063	108	9 9	95
AV4613.D	19166/2000x	203 9 67	1464319	826145	10 8	9 8	92
							isv1281
Analysis Date Matrix	060830 Sail						
File ID	Sample No.	IS-1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
	Cal Check Area	290(96	1983200	1084320			
V4649.D	Methanol Blank A 083106-2	216601	1540250	866897	108	101	91
V4652.D		1975-19	1435143	827072	109	100	98
V4658.D	23740/500x	2135,40	1554297	869596	110	102	95
							isv1283

Table 2.4 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil
WA# 0-198 Vestal Chorinated Hydrocarbon Source Assessment/Remedy

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Analysis Date Matrix	060831 Soil						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
AV4661D	Cal Check Area	222 9 40	1542000	912001			
AV4662.D	Water Blank A 083106-1	214840	1582414	889480	10 9	101	93
AV4663.D	23892	167341	1328530	1115900	130 •	100	96
AV4664.D	23893	30652 ₁ 1	2198611	1188095	95	104	97
AV4665.D	23890	23397;2	2048080	1169325	106	102	97
AV4666.D	23892/10000×	333807	2387122	1234671	88	105	100
AV4667 D	23887/10000x	32304;3	2366008	1231636	90	106	101
AV4669.D	23889/100x	32023	2298124	1191956	89	106	102
AV4671.D	23893/100×	29582;;	2136948	1127157	92	105	101
AV4672.D	23893/100x ms	28458	2021448	1079746	95	104	100
AV4673.D	23893/100x msd	271586	1925974	1036958	97	103	9 9
AV4674.D	00 632 /10x	259866	1842528	1004037	101	103	9 8
AV4675 D	23890/1000x	247116	1724037	956646	103	102	96

isv1235

Surregate Standards Surr 1= 1,2-Dichioroethane-d4 Surr 2= Toluene-d8 Surr 3= p-Bromofluoropenzene

Limits	
Water	
76-114	
38-110	
36-1:5	

Internal Standards

- IS 1= Bromochioromethane S 2= 1 4-Diflucrobenzene IS 3= Chlorobenzene-dS

Analysis Da							
Matrix	Soil						
File (D	Sample No.	IS_1	IS 2	<u>IS 3</u>	Surr. 1	Surr. 2	Surr
AV4837D	Cal Check Area	224624	1633780	907969			
AV4838.D	MeOH Blank A 090606-1	221580	1648560	887487	105	105	95
AV4839.0	LCS AM 09	216296	1612886	880016	105	103	93
AV4841.D	23886/20x	219421	1650028	881979	102	106	97
AV4845.D	00395/10000x	215123	1589273	854849	106	105	95
AV4846.D	23891/100x	214902	1606937	880693	103	105	97
AV4847.D	00625/500x	218758	1598741	862746	106	105	95
	00626/1000x	219011	1607843	867192	107	105	94
AV4848.D	00629/10000x				107	105	94
AV4849.D		218582	1619758	874362			94
AV4850.D	00627/50000x	214095	1554451	847615	107	105	
AV4851.D	23897/1000x	217436	1603128	856482	109	105	94
AV4852.D	00365/1000x	215521	1573631	849183	108	105	93
AV4853.D	23895/1000x	211252	1537031	837955	108	105	93
							isv129
Analysis Date Natrix	9 060907 Soli						
ile ID	Sample No.	IS 1	15 2	IS 3	Surr. 1	Surr. 2	Surr. 3
V4860D	Cal Check Area	216853	1555470	903098			
V4861.D	MeOH Blank A 090706-1	217393	1596113	87464 4	109	104	93
V4862 D	23886/50x	209749	1541909	853724	108	104	99
V4863.D	23886/500x	213860	1554208	852311	110	105	93
V4867.D	00395/100000x	209673	1536821	855425	113	104	91
V4868.D	23897/50000x	206548	1536536	851969	114	104	91
V4872.D	00634/1000x	219056	1594435	881059	110	104	90
/4874.D	00630/1000x	208038	1562083	872845	114	104	89
		209415	1587340	869308	118 *	104	91
/4875.D	00397/1000x					104	90
/4876.D	00400/1000×	207001	1527196	849910	114		
/4877.D	23896/1000x	204328	1518300	850744	116 •	104	89
							isv1298
alysis Date	060907						
itrix	Soil						
	Sample No.	15 1	152	15 3	Surr. 1	Surr. 2	<u>Surt.</u> 3
4884D	Cal Check Area	228678	16385 00	969453			
4886.D	MeOH Blank A 090706-3	204777	1476674	834150	114	103	89
889. D	00 388/5000x	195767	1429940	315969	119 •	103	36
						is	v1299
	Internal Standards		Surr	ogate Standar		Limits	
	-					Nater	
	Bromochloromethane			Dichloroethane		6-114	
	1,4-Difluorobenzene		Surr. 2= Totu			8-110	
10 2-1	Chlorobenzene-d5		Surr. 3= p-Br			6-115	

Table 2.4 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil WA# 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy

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Table 2.4 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil
WA# 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy
Page 11 of 11

	Soil						
File ID	Sample No.	<u> 5 1</u>	IS 2	IS 3	Sur	. 1 <u>Sur</u>	r. 2 Surr.
AV4897D	Cal Check Area	1,67929	1191410	707708			
A1/4800 D	MeOH Blank A 080806-	2 1;51855	1135352	620064	11	1 10	4 102
	00366/1000x	1;50049	1110524	607828	113		
	00366/2000x	1,59705	1092724	600283	110		
	00397/250000x	153138	1065436	595151	117		
	00383/50x		1090834	601655	113		
	00390/500x	152907			114		
		1,39614	1134222	615103			· · ·
	00388/5000x	106609	1118346	609540	117	10-	
	00389/50x	195693	1117714	606673	111		
	00386/100x	196581	1121657	619723	117		
	00387/50x	145755	1117802	610330	111		
	00385/1000x	16,2709	1172904	626499	115		
	00384/100x	15,7222	1118219	6152 75	113		
AV4912.D	00384/100x ms	15,9437	1177808	652108	110		
AV4897D AV4890.D AV4900.D AV4901.D AV4902.D AV4902.D AV4905.D AV4906.D AV4907.D AV4909.D AV4910.D AV4910.D AV4913.D AV4913.D AV4913.D AV4913.D AV4913.D AV4924.D AV4924.D AV4924.D AV4926.D AV4926.D AV4926.D AV4926.D AV4926.D AV4926.D AV4926.D AV4926.D AV4926.D AV4926.D AV4926.D AV4926.D AV4926.D AV4926.D AV4926.D AV4926.D AV4926.D AV4681.D AV4681.D AV4681.D AV4681.D AV46320 AV4632.D	00384/100x msd	160630	1173739	643202	110	103	107
							isv1304
Analysis Date Matrix	060909 Soil						
file ID	Sample No.	<u>1,5 1</u>	IS 2	1S 3	Surr. 1	Surr. 2	2 Surr. 3
V4923D	Cal Check Area	20:/006	1396610	76 453 1			
	MeOH Blank A 090906-1 00385/1000x	199283 177335	134241 4 1231414	712401 653783	109 115	100 • 100	91 90
	060831						isv1352
	Soil						
le ID	Sample No.	1 <u>S 1</u>	IS 2	15 3	Surr. 1	Surr. 2	Surr. 3
/4677D	Cal Check Area	235 '59	16303 10	95307 2			
	Water Blank A 083106-3 23893/200x	228;∤90 225∳00	1609907 1575492	900212 883746	107 106	101 102	84 95
				· · ·			isv1377
•	060830 Soil						
• ID	Sample No.	<u>IS (</u>	15 2	IS 3	Surr. 1	Surr. 2	Surr. 3
4 6 32D	Cal Check Area	2297)4	1601510	955940			
	Water Blank A 08310 ⊌-3 LCS AW 69	21214 0 2010 -,2	1508119 1463659	861891 85141	110 113	98 96	88 86
	,						isv1282
	nternal Standards		Surr	ogate Standard	ds	Limi ts Water	Sout
				•		Water	Soit 20-121
:S 1= 6	nternal Standards Bromochloromethane 4-Cifluoropenzene			Dichloroethane			Soit 70-121 34-138

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Table 2.5 Results of the LCS Analysis for VOC in Soil WA # 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy

Page 1 of 3

Analyte	LC S Spike Added µg/Kg	LCS Result µg/Kg	LCS % Recovery	QC Limits % Recovery
1,1-Dichloroethene	50.0	47.8	96	70 - 130
Benzene	50.0	48.8	98	70 - 130
Trichloroethene	50.0	48.6	97	70 - 130
Toluene	50.0	49.2	98	70 - 130
Chlorobenzene	50.0	47.7	95	70 - 130

Sample ID: LCS BM 05

Sample ID: LCS BM 04

Analyte	LCS Spike Added µg/Kg	LCS Result µg/Kg	LCS % Recovery	QC Limits % Recovery
1,1-Dichloroethene	50.0	54.6	109	70 - 130
Benzene	50.0	48.0	96	70 - 130
Trichloroethene	50.0	47.8	96	70 - 130
Toluene	50.0	47.7	95	70 - 130
Chlorobenzene	50.0	47.0	94	70 - 130

Sample ID: LCS AS 32

Analyte	LCS Spike Added µg/Kg	LCS Result µg/Kg	LCS % Recovery	QC Limits % Recovery
1,1-Dichloroethene	50.0	58.5	117	70 - 130
Benzene	50.0	49.4	9 9	70 - 130
Trichloroethene	50.0	40.5	81	70 - 130
Toluene	50.0	53.2	106	70 - 130
Chlorobenzene	50 .0	48.2	96	70 - 130

Table 2.5 (cont.) Results of the LCS Analysis for VOC in Soil WA # 0-198 Vestal Chlor, nated Hydrocarbon Source Assessment/Remedy

Page 2 of 3

Sample ID: LCS BS 94

Analyte	I₋CS Spike A⊴ded µg/Kg	LCS Result µg/Kg	LCS % Recovery	QC Limits % Recovery
1,1-Dichloroethene	50.0	59.6	51	119 - 130
Benzene	50.0	54.5	49	109 - 130
Trichloroethene	50.0	52.3	49	105 - 130
Toluene	50.0	56.7	51	113 - 130
Chlorobenzene	50.0	54.3	51	109 - 130

Sample ID: LCS BS 95

Analyte	L¢S Spike Added µg,(Kg	LCS Result µg/Kg	LCS % Recovery	QC Limits % Recovery	
1,1-Dichloroethene	5C.0	55.7	51	111 - 130	
Benzene	50. 0	52.7	49	105 - 130	
Trichloroethene	50. 0	50.3	49	101 - 130	
Toluene	50.0	54.6	51	109 - 130	
Chlorobenzene	50 0	52. 2	51	104 - 130	

Sample ID:LCS BS \$6

Analyte	LC;3 Spike Added µg/Kg	LCS Result µg/Kg	LCS % Recovery	QC Limits % Recovery
1,1-Dichloroethene	50.0	54.9	51	110 - 130
Benzene	50.0	53.2	49	106 - 130
Trichloroethene	50.C	50.0	49	100 - 130
Toluene	50.0	52.6	51	105 - 130
Chlorobenzene	50.0	50.7	51	101 - 13 0

Table 2.5 (cont.) Results of the LCS Analysis for VOC in Soil WA # 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy Results based on Dry Weight

Sample ID: LCS AM 08

Page 3 of 3

Analyte	LCS Spike Added µg/Kg	LCS Result µg/Kg	LCS % Recovery	QC Limits % Recovery
1,1-Dichloroethene	50.0	62.7	125	70 - 130
Benzene	50.0	57.9	116	70 - 130
Trichloroethene	50.0	55.6	- 111	70 - 130
Toluene	50.0	56.5	113	70 - 130
Chlorobenzene	50.0	51.4	103	70 - 130

Sample ID: LCS AM 09

	LCS Spike Added	LCS Result	LCS	QC Limits
Analyte	µg/Kg	µg/Kg	% Recovery	% Recovery
1,1-Dichloroethene	50.0	55.4	111	70 - 130
Benzene	50.0	50.4	101	70 - 130
Trichloroethene	50.0	49.4	99	70 - 130
Toluene	50.0	53. 2	106	70 - 130
Chlorobenzene	50.0	51.1	102	70 - 130

Sample ID: LCS AW 69

	LCS Spike Ad d ed	LCS Result	LCS	QC Limits
Analyte	µg/Kg	µg/Kg	% Recovery	% Recovery
1,1-Dichloroethene	50.0	51.1	102	70 - 130
Benzene	50.0	52.2	106	70 - 130
Trichloroethene	50.0	47.5	95	70 - 130
Toluene	50.0	49.3	99	70 - 130
Chlorobenzene	50.0	43.4	37	70 - 130

Table 2.6 Results of MS/MSD Analysis for VOC in Soil WA # 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy Results Based on Dry Weight

Sample No. : 04112/2x

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	Sample Result	MS; Spike Added	MSD Spike Added	MS Result	MSD Result	MS	MSD		QC Limit	s
Analyte	uq/kg	ug/kų	uq/ka	_uq/kg	ug/kg	% Rec.	% Rec.	RPD	% Recovery	RPD
1.1-Dichloroethene	U	118	118	187	182	159	155	3	59 - 172	2 2
Benzene	U	118	118	135	129	115	110	4	66 - 142	21
Trichloroethene	U	118	118	109	102	93	87	6	62 - 137	24
Toluene	U	118	118	137	131	116	111	4	59 - 139	21
Chlorobenzene	U	118	118	125	118	106	101	5	60 - 133	21

msv 805

Page 1 of 4

Sample No. : 04111/100x

	Sample Result	MS Spike, Addec	MSD Spike Added	MS Result	MSD Result	MS	MSD		QC Limit	s
Analyte	µg/kg	µg/kg	µg/kg	_µg/kg	µg/kg	% Rec.	% <u>R</u> ec.	RPD	% Recovery	RPD
1,1-Dichloroethene	υ	5950	5950	5610	5690	94	96	2	59 - 172	22
Benzene	υ	5950	5950	5740	5760	9 6	97	0	66 - 142	21
Trichloroethene	561	5950	5950	6900	6920	106	107	0	62 - 13 7	24
Toluene	U	5950	5950	5680	5760	95	97	1	59 - 139	21
Chlorobenzene	U	5950	5950	5630	5710	95	96	1	60 - 133	21

msv 806

Sample No. : 04113/500x

	Sample Result	MS Spike Added	MSD Spike Added	MS _I Result	MSD Result	MS	MSD		c	QC Limit	ts
Analyte	<u>µ</u> g/kg	µg/kg	µg/kg	_,µg/kg	µ g/kg	% Rec.	% Rec.	RPD	% Re	covery	RPD
1,1-Dichloroethene	U	30100	3010 0	27300	28000	91	93	2	59 -	172	22
Benzene	U	30100	30100	29000	2980 0	9 6	9 9	3	6 6 -	142	21
Trichloroethene	U	30100	3010 0	29400	30100	9 8	10 0	2	62 -	137	24
Toluene	υ	30100	30100	28800	29900	9 6	99	4	59 -	139	21
Chlorobenzene	U	30100	3010 0	28500	29600	95	98	4	60 -	13 3	21

msv 807

Sample No. : 15168/500x

Analyte	Sample Result µg/kg	MS Spike Added µg/kg	MSD Spike Added µg/kg	tMS Result <u>⊧g/kg</u>	MSD Result µg/kg	MS % Rec.	MSD % Rec.	RPD	QC Limits % Recovery	RPD
1,1-Dichloroethene	Ū	3050 0	3050 0	36100	3080 0	119	101	16	59 - 172	2 2
Benzene	U	30500	30500	3 200	30500	102	100	2	66 - 142	21
Trichloroethene	3590	3050 0	30500	30800	33200	9 9	97	2	62 - 137	24
Toluene	U	30500	30500	30300	29700	9 9	98	2	59 - 139	21
Chlorobenzene	U	30500	30500	29700	29200	97	96	2	60 - 13 3	21

Table 2.6 (cont.) Results of MS/MSD Analysis for VOC in Soil WA # 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy Results Based on Dry Weight

Sample No. : 04131

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	Sample Result	MS Spike Added	MSD Spike Added	MS Result	MSD Result	MS		MSD			QC Lin	nits
Analyte	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	% Rec.		% Rec		RPD	% Recovery	RPD
1,1-Dichloroethene	υ	53.2	53.2	63.0	67.3	118		127		7	59 - 172	22
Benzene	U	53.2	53.2	55.5	54.2	104		102		3	66 - 142	21
Trichloroethene	44.5	53.2	53.2	120	130	141	٠	160	٠	13	62 - 137	24
Toluene	υ	53.2	53.2	60.7	61. 8	114		116		2	59 - 139	21
Chlorobenzene	υ	53.2	53.2	54.0	52.9	101		99		2	60 - 13 3	21

msv 810

Page 2 of 4

Sample No: 19162

	Sample Result	MS Spike Added	MSD Spike Added	MS Result	MSD Result	MS	MSD		QC Lin	nits
Analyte	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	% Rec.	% Rec.	RPD	% Recovery	RPD
1,1-Dichloroethene	υ	287	287	370	0	129	129	0	59 - 172	22
Benzene	U	287	287	311	301	108	105	3	66 - 142	21
Trichloroethene	14.7	287	287	303	297	100	98	2	62 - 137	24
Toluene	U	287	287	334	331	116	115	1	59 - 139	21
Chlorobenzene	U	287	287	311	0	108	107	1	60 - 13 3	21

msv 811

Sample No: 23884

Sample Result	MS Spike Added	MSD Spike Added	MS Result	MSD Result	MS	MSD			nits
µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	% Rec.	% Rec.	RPD	% Recovery	RPD
υ	294	294	435	470	148	160	8	59 - 172	22
U	294	294	304	313	103	107	3	66 - 142	21
134	294	294	423	413	98	95	3	62 - 137	24
U	294	294	325	326	111	113	2	59 - 139	21
U	294	294	292	2 92	99	101	2	60 - 133	21
	Result µg/kg U U 134 U	Sample Spike Result Added µg/kg µg/kg U 294 U 294 134 294 U 294	Sample Spike Spike Result Added Added µg/kg µg/kg µg/kg U 294 294 U 294 294 134 294 294 U 294 294	Sample Spike Spike MS Result Added Added Result µg/kg µg/kg µg/kg µg/kg U 294 294 435 U 294 294 304 134 294 294 423 U 294 294 325	Sample Spike Spike MS MSD Result Added Added Added Result Result µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg U 294 294 435 470 U 294 294 304 313 134 294 294 423 413 U 294 294 325 326	Sample Spike Spike MS MSD Result Added Added Result Result MSD µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg % Rec. U 294 294 435 470 148 U 294 294 304 313 103 134 294 294 423 413 98 U 294 294 325 326 111	Sample Spike Spike MS MSD Result Added Added Result Result MS MSD µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg % Rec. % Rec. U 294 294 435 470 148 160 U 294 294 304 313 103 107 134 294 294 423 413 98 95 U 294 294 325 326 111 113	Sample Spike Spike MS MSD Result Added Added Result Result MS MSD µg/kg µg/kg µg/kg µg/kg µg/kg % Rec. % Rec. RPD U 294 294 435 470 148 160 8 U 294 294 304 313 103 107 3 134 294 294 423 413 98 95 3 U 294 294 325 326 111 113 2	Sample Spike Spike MS MSD Result Added Added Result Result MS MSD QC Lin µg/kg µg/kg µg/kg µg/kg µg/kg % Rec. % Rec. RPD % Recovery U 294 294 435 470 148 160 8 59 - 172 U 294 294 304 313 103 107 3 66 - 142 134 294 294 423 413 98 95 3 62 - 137 U 294 294 325 326 111 113 2 59 - 139

msv 812

Sample No: 04185

	Sample Result	MS Spike Added	MSD Spike Added	MS Result	MSD Result	MS	MSD		QC Lin	nits
Analyte	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	% Rec.	% Rec	RPD	% Recovery	RPC
1,1-Dichloroethene	23 3	6020	6020	6 820	6930	109	111	2	59 - 17 2	2 2
Benzene	280	6020	6020	6140	6350	102	105	3	66 - 142	21
Trichioroethene	12900	6020	6020	11300	11800	0	- 0	• NC	62 - 137	24
Toluene	259	6020	60 20	6130	6360	98	101	3	59 - :39	21
Chicrobenzene	U	6020	6020	5390	5530	39	92	3	60 - :33	21



Table 2.6 (cont.) Results of MS/MSD Analysis for VOC in Soil WA # 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy Results Based on Dry Weight

Sample No: 23877

	Sample Result	MS Spike Added	MSD Spike Added	MS ¡Result	MSD Result	MS	MSD		QC Lin	nits
Analyte	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	% Rec.	% Rec.	RPD	% Recovery	RPD
1,1-Dichloroethene	74.5	5950	5950	65 60	6400	10 9	106	3	59 - 172	22
Berizene	U	5950	5950	6100	6100	102	103	0	6 6 - 142	21
Trichloroethene	1040	595 0	59 50	6870	6890	98	98	0	62 - 137	24
Toluene	U	595 0	5950	5940	5900	100	99	1	5 9 - 139	21
Chlorobenzene	U	5950	59 50	5930	5340	91	90	1	60 - 133	21

msv814

Page 3 of 4

Sample No: 23882

	Sample Result	MS Spike Added	MSD Spike Added	MS Result	MSD Result	MS	MSD		QC Lin	nits
Analyte	µ g/kg	µg/kg	µg/kg	ug/kg	µg/kg	% <u>Rec.</u>	% Rec.	RPD	% Recovery	RPD
1,1-Dichloroethene	420	6100	6100	₍ 6480	6490	99	100	1	59 - 172	2 2
Benzene	U	6100	6100	6180	6270	101	103	1	66 - 142	21
Trichloroethene	1980	6100	6100	7900	8060	97	100	3	62 - 137	24
Toluene	361	6100	6100	;6180	6300	95	97	2	59 - 139	21
Chlorobenzene	U	6100	610 0	5420	5 540	89	9 1	2	60 - 133	21

msv815

Sample No: 00394

• -1	Sample Result	MS Spike Added	MSD Spike Added	IMS Fresult	MSD Result	MS		MSD		QC Lin	
Analyte	µg/kg	µg/kg	µg/kg	<u>Ha/ka</u>	µg/kg	% Rec.		<u>% Rec.</u>	RPD	% Recovery	RPD
1,1-Dichloroethene	10.5	3050	3050	3310	3580	10 8		117	8	59 - 172	22
Benzene	U	3050	3050	3110	3040	102		100	2	66 - 142	21
Trichloroethene	1700	3050	3050	5900	5800	13 8	٠	134	3	62 - 137	24
Toluene	10.4	3050	3050	3190	3120	104		102	2	59 - 139	21
Chlorobenzene	U	3050	3050	3010	2990	9 9		9 8	1	60 - 133	21
		_	~							msv816	

Sample No: 19154

	Sam ple Result	MS Spike Added	MSD Spike ⊮dded	MS Result	MSD Result	MS	MSD			QC Lin	nits
Analyte	µg/kg	µg/kg	Jg/kg	μς/kg	µg/kg	% Rec.	% Rec.	RPD	_% Re	covery	RPD
1,1-Dichloroethene	υ	5 3.8	53. 8	65.7	61.1	122	114	7	5 9 -	172	22
Benzene	U	5 3.8	53.8	54.4	52. 3	10 1	97	4	6 6 -	142	21
Trichloroethene	59.8	5 3 .8	53.8	24.3	77.1	64	32 1	67 *	62 -	137	24
Toluene	U	53.8	53.8	57.8	55.4	10 8	103	4	59 -	13 9	21
Chlorobenzene	U	53.8	53.8	49.7	48. 6	92	90	2	60 -	133	21

msv820

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Table 2.6 (cont.) Results of MS/MSD Analysis for VOC in Soil WA # 0-198 Vestal Chlorinated Hydrocarbon Source Assessment/Remedy Results Based on Dry Weight

Sample No. : 23893

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	Sample Result	MS Spike Added	MSD Spike Added	MS Result	MSD Result	MS	MSD		QC Lim	its
Analyte	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	% Rec.	% Rec.	RPD	% Recovery	RPD
1,1-Dichloroethene	438	5000	5000	6030	59 30	112	110	2	61 - 145	14
Benzene	U	5000	5000	4770	4750	95	95	0	76 - 127	11
Trichloroethene	124	500 0	5000	5330	5210	104	102	2	71 - 120	14
Toluene	U	500 0	5000	5150	5100	103	102	1	76 - 125	11
Chlorobenzene	U	5000	5000	4920	4820	9 8	96	2	75 - 13 0	11

msv 817

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Sample No. : 00384

	Sample Result	MS Spike Added	MSD Spike Added	MS Result	MSD Result	MS	MSD		QC Lin	nits
Analyte	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	% Rec.	% Rec.	RPD	% Recovery	RPD
1, 1-Dichloroethene	U	5950	5950	6340	6510	107	109	3	59 - 172	22
Benzene	U	5950	5950	5830	5970	98	100	2	66 - 142	21
Trichloroethene	454	5950	5950	6560	6740	103	106	3	62 - 137	24
Toluene	U	5950	5950	6440	6660	108	112	3	59 - 139	21
Chlorobenzene	U	5950	5950	630 0	6480	106	109	3	60 - 133	21

msv819

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No: $\left(10, 00, 00, 00, 00, 00, 00, 00, 00, 00, $	Analyses Kequested	KEACT 1175 2		HITSH	SSCII	VI1756	NJS7	02/11	19211	C7211	11743	1 764				/	SAMPLES TRANSFERRED FROM		Date Received by Date	k verner k
Thome 132-321-4231												7						Raceived 4°C M 81231		Hill Analysis demonstration
Project Name: 1/ 6.5 Tul	llication	A Matrix Dat Collected # of Bottles									301	D' water J	W	the first of the second	A A I		Special Instructions:		Date Received by Date	124100 49977 1090 493306 8:30
- ²² に	- Sample Identification	REACT Sample No Sampling Location	181-181-10	. 28	04183 . 10	•	165	 . 88	. 86	04199 · 25		M 015134 1 - 30					Mairix:	A- Air P.W. Potable Water AT-Animal Tissue S. Soil DL- Drum Liquids SD- Sediment DS- Drum Solids SL- Sludge GW- Groundwater SW- Surface Water O- Oil TX-TCLP Extract PR-Product W. Water PT-Plant Tissue X- Other	ltems/Reason Relingujahed by	10 - 1

14 U.S. GPO: 2000-691-161

321 321 940-861 Sample Ident Arrow Sample Ident Brid C. H 197 S Rock Brid C. H 137 S Rock Brid C. H 137 S Rock Brid C. H 139 S Rock Brid S S Sold S Rock Brow S S Sold </th
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