

10.9

Site:	<u>Dm DE 1012</u>
ID#:	<u>10250081933</u>
Break:	<u>3.3 Ecken.</u>
Other:	<u>AE</u>

ECKENFELDER INC.

January 12, 1990

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 REMID SECTION

6595A

Mr. Glenn Curtis
 Waste Management Division
 USEPA Region 7
 726 Minnesota Avenue
 Kansas City, KS 66101

RE: Des Moines South Area Source Control (SASC)
RI/FS Progress Report for October, November and December 1989

Dear Mr. Curtis:

ECKENFELDER INC. initiated the SASC RI field tasks in October, 1989. Field operations were suspended in December due to severe cold weather and a force majeure declared (December 22, 1989 letter from Charles F. Lettow to Glenn M. Curtis). Most of the field tasks described in the Sampling and Analysis Plan (SAP) have been completed. These tasks are as follows:

Geophysical Survey


A geophysical survey was conducted along those traverses delineated in the SAP. A metal detector was also used to scan these traverses to complement the survey. The results of the geophysical survey will be submitted as a Technical Memorandum to the EPA.

Groundwater Sampling

The 12 existing monitoring wells identified in the SAP were sampled and samples submitted for laboratory analyses.

Surface Water and Sediment Sampling

Eight sediment and two surface water samples were collected and submitted to the laboratory for analyses. No surface water was present at the SW-3 location, therefore, no sample was obtained. This location will be checked again when field operations resume and will be sampled if surface water is present.

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Shallow Auger Borings/Samples

All 27 shallow auger borings identified in the SAP were completed and the samples submitted to the laboratory for analyses.

In addition to these completed field tasks, 25 deep borings have been completed and samples submitted for laboratory analyses in accordance with the SAP. The completed deep borings are as follows:

DB-1	DB-40	DB-47	DB-54
DB-2	DB-41	DB-48	DB-55
DB-5	DB-42	DB-49	DB-56
DB-6	DB-43	DB-50	DB-57
DB-7	DB-44	DB-51	
DB-16	DB-45	DB-52	
DB-36	DB-46	DB-53	

Also submitted for total HSL analyses were samples DB-43 0'-2'(T) and DB-55 6'-8'(T). These sample intervals correspond to the highest head space readings observed for their respective group of deep borings. A surface soil sample (0'-0.5' depth) was also submitted from both of these boring locations.

Table 1 summarizes field operations and samples submitted for laboratory analyses during the 4th Quarter.

Analytical Results

Late in the 4th Quarter, ECKENFELDER INC. received analytical results from the University Hygienic Laboratory (UHL) for a portion of the samples submitted to date. The majority of results received were volatile organics analytical data. Semivolatile organic, pesticide and PCB analytical results were received for the groundwater samples only. Table 2 summarizes the volatile organics analytical data, listing only those parameters that were detected in each sample.

With respect to semivolatile organics, pesticides, and PCBs in the groundwater, a concentration of 22 ppb of 1,2,4-trichlorobenzene was measured in sample EW-5, and an estimated concentration of 2 ppb of BIS (2-ethylhexyl) phthalate was measured in Sample EW-6. No other target parameters were detected. A number of semivolatile organic compounds (not on the HSL) were tentatively identified, however, concentrations were all less than or equal to 300 ppb, and the vast majority less than or equal to 100 ppb.

The "Sample Data Summary Packages" for the analytical results are attached. Complete data packages are available and will be submitted to the EPA, if requested.

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Corrective Measures/Deviations from the SAP

The following describe corrective measures or deviations from the SAP which occurred during the 4th Quarter:

- During installation of the shallow auger borings, a hand auger was not capable of penetrating the coarse fill material (eg., brick, cobbles, scrap metal) to the target depth of 1.5 feet. Therefore, for the first seven shallow borings completed, a shovel and mattock were used to excavate a hole to a depth of 1.5 feet. A 65-pound electric jack hammer was utilized in conjunction with the shovel and mattock for the remainder of the shallow borings. These excavations measured approximately 2' x 2' at the surface and tapered down to 6-8 inches. The soil sample was then collected from each excavation using a stainless steel 4-inch diameter hand auger. The jack hammer chisel bit, mattock and shovel were decontaminated before each use by washing/scrubbing withalconox and distilled water, followed by a distilled water rinse.
- Due to the nature of the fill material at many locations, and a gravel zone encountered while conducting the deep soil borings, many of the first borings completed required roughly triple the time to grout. Much of the grout applied to the boring was being lost into the gravel zones and voids in the fill material. Therefore, after approximately 12 borings, the "tremie" method was abandoned in favor of a surface application of grout, enabling the grout mixture to be thicker and less likely to migrate into the gravel and fill material. Care was taken to assure the fill zone was grouted and no voids within the grouted boring existed. Also, bentonite powder/pellets were added to the bottom 1-2 feet of each boring and allowed to hydrate prior to grouting. This also helped prevent loss of grout into the gravel zone. These practices will continue when field operations resume.
- After submittal of the first several sample shipments to UHL, conversations with Dr. Michael Wichman of UHL revealed that it would be more efficient and effective if the laboratory automatically performed the matrix spikes and matrix spike duplicate analyses on the samples as required by the CLP rather than ECKENFELDER INC. designated these samples in the field. Dr. Wichman explained that enough sample was generally being submitted to accommodate these extra analyses and therefore, additional sample volume collected in the field would not be necessary.

Progress Anticipated for January, February and March, 1990

Depending on weather conditions, field operations may resume in March. The following progress is anticipated during the first quarter 1990:

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- Completion of Geophysical Survey Technical Memorandum
- Completion of Underground Utility Inventory/Survey Technical Memorandum
- Receipt and summarization of additional analytical results from UHL
- ECKENFELDER INC.'s performance and systems audit by Mr. Michael Brother to assure QA/QC is being achieved in accordance with the SAP. Mr. Brother will evaluate data generated from both the field and the laboratory. Once field operations resume, Mr. Brother or Mr. Soukup will conduct a site visit to evaluate the field procedures.

If you should have any questions or require additional information, please do not hesitate to call.

Very truly yours,

ECKENFELDER INC.

Michael L. Watkins

Michael L. Watkins
Senior Hydrogeologist

William G. Soukup
William G. Soukup
Assistant Division Director
Hydrogeology Division

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Attachment

cc: Charles F. Lettow, Esq.
Mr. John H. Strouf

TABLE 1
SUMMARY OF FIELD TASKS COMPLETED

Week Ending	Samples Collected For Laboratory Analyses	QA/QC Samples	Comments
11/04/89	None	DWB-1	<ul style="list-style-type: none"> - ECKENFELDER INC. mobilization to site. - On site field office established. - Completion of geophysical survey and metal detector survey.

11/11/89	<p>Groundwater: NW-4, NW-7, NW-12, NW-17, NW-19, NW-22, NW-23, NW-27, NW-28, EW-5, EW-6, P-10</p> <p>Surface Water: SW-1, SW-2</p> <p>Sediment: SS-1, SS-2, SS-3, SS-4, SS-5, SS-6, SS-7, SS-8</p> <p>Soil: SB-1, SB-2, SB-11, SB-12, SB-13, SB-14, SB-15</p>	NW-22 DUP, TB-1, TB-2, TB-3, TB-4, TB-5, TB-6, TB-7, TB-8, TB-9, TB-10, TB-11, EPA-PE, RB-1	

11/18/89	DB-43 0'-2', DB-43 8'-10', DB-56 6'-8', DB-56 8'-10', DB-55 8'-10', DB-55 12'-14', DB-53 2'-4', DB-53 4'-6', DB-54 4'-6', DB-54 8'-10'	EPA-PE, WTB-1, DB-55 8'-10' DUP, TB-12, TB-13	<ul style="list-style-type: none"> - Layne Western Drilling Company mobilization of drilling rig/crew to site. - Health and Safety Meeting.

11/25/89	DB-45 10'-12', DB-45 18'-20', DB-44 2'-4', DB-44 4'-6', DB-51 6'-8', DB-51 8'-10', DB-57 2'-4', DB-57 10'-12'	EPA-PE, TB-14	<ul style="list-style-type: none"> - Thanksgiving Holidays 11/23 and 11/24.

TABLE 1 (Continued)
SUMMARY OF FIELD TASKS COMPLETED

Week Ending	Samples Collected For Laboratory Analyses	QA/QC Samples	Comments
12/02/89	DB-52 0'-2', DB-52 8'-10', DB-48 6'-8', DB-48 18'-20', DB-49 10'-12', DB-49 12'-14', DB-40 6'-8', DB-40 8'-10', DB-41 4'-6', DB-41 20'-22' SB-6, SB-7, SB-8, SB-9, SB-16, SB-17, SB-18, SB-19, SB-20, SB-21, SB-22, SB-23, SB-24, SB-25, SB-26, SB-27	EPA-PE, RB-2, SB-22 DUP, TB-15, TB-16	- Drill rig inoperable on 11/29/89 due to malfunctioning truck motor.
12/09/89	DB-50 8'-10', DB-50 12'-14', DB-47 6'-8', DB-47 14'-16', DB-46 10'-12', DB-46 14'-16', DB-1 6'-8', DB-1 10'-12', DB-2 12'-14', DB-2 26'-28', DB-5 0'-2', DB-5 2'-4', DB-6 2'-4', DB-6 20'-22'	EPA-PE, RB-3, DB-47 14'-16' DUP, DWB-2, TB-17, TB-18	- Drill rig inoperable 1/2 day due to generator malfunction and broken catline.
12/16/89	DB-42 6'-8', DB-42 18'-20', DB-16 4'-6', DB-16 8'-10', DB-7 2'-4', DB-7 22'-24' SB-3, SB-4, SB-5, SB-10	EPA-PE, DB-16 8'-10' DUP, RB-4, TB-19, TB-20	- Drill rig inoperable 1/2 day on 12/14 due to freezing water lines and pump during steam cleaning. - Drill rig inoperable on 12/15 due to extreme cold temperatures and wind chills.
12/23/89	DB-36 4'-6', DB-36 8'-10', DB-43 0'-.5', DB-43 0'-2'(T), DB-55 0'-.5', DB-55 6'-8'(T)	TB-21	- Demobilization of Layne Western drill rig/crew from site on 12/19. - Demobilization of ECKENFELDER INC. from site on 12/20.

TABLE 1 (Continued)
SUMMARY OF FIELD TASKS COMPLETED

Week Ending	Samples Collected For Laboratory Analyses	QA/QC Samples	Comments
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Legend:

- EW, NW, or P - Groundwater sample from existing monitoring well
- SW - Surface water sample
- SS - Sediment sample
- SB - Shallow auger boring sample
- DB - Deep soil boring sample
- TB - Trip blank
- RB - Rinsate blank
- DUP - Field duplicate
- DWB - Distilled water blank
- WTB - Water tank blank
- EPA-PE - Environmental Protection Agency Performance Evaluation sample

TABLE 2

SUMMARY OF VOLATILE ORGANICS LABORATORY RESULTS

SAMPLE ID	SAMPLE MATRIX	VOLATILE ORGANIC PARAMETER DETECTED	CONCENTRATION (PPB)	PRIMARY TENTATIVELY IDENTIFIED COMPOUND	ESTIMATED CONCENTRATION (PPB)
DWB-1	Water	Methylene Chloride	.3 BJ	1-Propene, 2-methyl-	2
		Toluene	.6 J		
NW-19	Groundwater	Vinyl Chloride	5	ND	
		Methylene Chloride	.7 BJ		
		1,2-Dichloroethene	52		
		Trichloroethene	23		
		Benzene	5 J		
EW-6	Groundwater	Vinyl Chloride	3	ND	
		Methylene Chloride	1 BJ		
		1,2-Dichloroethene	26		
		1,1,1-Trichloroethane	.7 J		
		Trichloroethene	9		
P-10	Groundwater	Vinyl Chloride	2	ND	
		Methylene Chloride	1 BJ		
		1,2-Dichloroethene	3		
		Trichloroethene	.5 J		
		Toluene	.2 J		
NW-23	Groundwater	Vinyl Chloride	4	ND	
		Methylene Chloride	3 BJ		
		1,2-Dichloroethene	75		
EW-5	Groundwater	Vinyl Chloride	2	ND	
		Methylene Chloride	.6 BJ		
		1,2-Dichloroethene	42		
		Trichloroethene	31		
		Tetrachloroethene	.8 J		
NW-4	Groundwater	Vinyl Chloride	6 J	ND	
		Methylene Chloride	4 BJ		
		1,2-Dichloroethene	73		
		Trichloroethene	250		
NW-12	Groundwater	Methylene Chloride	56 BJ	ND	
		1,2-Dichloroethene	450		
		Trichloroethene	3200		
TB-1	Water	Methylene Chloride	.8 BJ	ND	
TB-2	Water	Methylene Chloride	.7 BJ	ND	
TB-3	Water	Methylene Chloride	.6 BJ	ND	
TB-4	Water	Methylene Chloride	.6 BJ	ND	
NW-17	Groundwater	Vinyl Chloride	.3 J	ND	
		1,2-Dichloroethene	38		
		1,2-Dichloroethane	2 J		
		Trichloroethene	2		
NW-27	Groundwater	Methylene Chloride	1 BJ	ND	
		1,2-Dichloroethene	14		
		Trichloroethene	8		
		Tetrachloroethene	.8 J		
NW-28	Groundwater	Methylene Chloride	1 BJ	ND	
		1,2-Dichloroethene	4		
		Trichloroethene	8		

TABLE 2 (CONTINUED)

SUMMARY OF VOLATILE ORGANICS LABORATORY RESULTS

SAMPLE ID	SAMPLE MATRIX	VOLATILE ORGANIC PARAMETER DETECTED	CONCENTRATION (PPB)	PRIMARY TENTATIVELY IDENTIFIED COMPOUND	ESTIMATED CONCENTRATION (PPB)
NR-22	Groundwater	Vinyl Chloride	4	ND	
		Methylene Chloride	.5 BJ		
		1,2-Dichloroethene	11		
		Trichloroethene	16		
NR-7	Groundwater	Methylene Chloride	2 BJ	Hydrocarbon	4
		1,2-Dichloroethene	21		
		Trichloroethene	110		
		Tetrachloroethene	2 J		
TB-5	Water	Methylene Chloride	.8 BJ	ND	
TB-6	Water	Methylene Chloride	.8 BJ	ND	
TB-7	Water	Methylene Chloride	.9 BJ	ND	
TB-8	Water	Methylene Chloride	1 BJ	ND	
SW-1	Surface Water	ND		Hydrocarbon	1
SW-2	Surface Water	1,1,1-Trichloroethane	5	ND	
TB-9	Water	Methylene Chloride	1 BJ	ND	
WTB-1	Water	Chloroform	24	ND	
		1,1,1-Trichloroethane	.7 J		
		Bromodichloromethane	8		
		Dibromochloromethane	4 J		
SS-8	Sediment	Methylene Chloride	6 BJ	ND	
		Carbon Disulfide	6 BJ		
		2-Butanone	4 BJ		
SS-7	Sediment	Methylene Chloride	3 BJ	ND	
		Carbon Disulfide	3 BJ		
		2-Butanone	4 BJ		
SS-6	Sediment	Methylene Chloride	4 BJ	ND	
		Carbon Disulfide	2 BJ		
		2-Butanone	3 BJ		
SS-3	Sediment	Methylene Chloride	4 BJ	ND	
		Carbon Disulfide	2 BJ		
		2-Butanone	2 BJ		
SS-4	Sediment	Methylene Chloride	10 BJ	ND	
		Acetone	18 J		
		2-Butanone	6 BJ		
SS-5	Sediment	Methylene Chloride	5 BJ	Hydrocarbon	20
TB-10	Water	Methylene Chloride	3 BJ	ND	
		2-Butanone	3 BJ		
SB-11	Soil	Methylene Chloride	11 BJ	ND	
		2-Butanone	17 BJ		
		Trichloroethene	600		
		Tetrachloroethene	72		

TABLE 2 (CONTINUED)

SUMMARY OF VOLATILE ORGANICS LABORATORY RESULTS

SAMPLE ID	SAMPLE MATRIX	VOLATILE ORGANIC PARAMETER DETECTED	CONCENTRATION (PPB)	PRIMARY TENTATIVELY IDENTIFIED COMPOUND	ESTIMATED CONCENTRATION (PPB)
SB-12	SOIL	Methylene Chloride	12 BJ	ND	
		Acetone	43 J		
		2-Butanone	29 BJ		
		Trichloroethene	650		
		Tetrachloroethene	260		
SB-13	SOIL	Methylene Chloride	7 BJ	ND	
		Acetone	75		
		1,2-Dichloroethene	11 J		
		2-Butanone	31 BJ		
		Trichloroethene	920		
		Tetrachloroethene	280		
SB-14	SOIL	Methylene Chloride	2 BJ	ND	
		Carbon Disulfide	1 BJ		
		2-Butanone	3 BJ		
		Trichloroethene	5 J		
		Tetrachloroethene	2 J		
RB-1	WATER	Methylene Chloride	2 BJ	ND	
		Acetone	3 J		
SS-1	SEDIMENT	Methylene Chloride	2 BJ	ND	
SS-2	SEDIMENT	Methylene Chloride	1 BJ	ND	
TB-11	WATER	Methylene Chloride	2 BJ	ND	
		2-Butanone	3 BJ		
SB-1	SOIL	Methylene Chloride	2 BJ	ND	
		2-Butanone	3 BJ		
		Trichloroethene	8		
		Tetrachloroethene	2 J		
SB-2	SOIL	Methylene Chloride	3 BJ	ND	
		2-Butanone	3 BJ		
		Trichloroethene	2 J		
SB-15	SOIL	Methylene Chloride	1 BJ	Ethane, 1,2-Dibromo-	60
		2-Butanone	5 BJ		
		Trichloroethene	380 E		
		Tetrachloroethene	11		
DB-43 0'-2'	SOIL	2-Butanone	4 BJ	1H-Indene,2,3-Dihydro-	50
		Xylenes	2 J		
DB-43 8'-10'	SOIL	Acetone	140	1H-Indene,1-Ethylidene-	20
		2-Butanone	25 B		
TB-12	WATER	2-Butanone	4 BJ	Naphthalene (ACN)(DOT)	100
DB-56 6'-8'	SOIL	Methylene Chloride	61 B	Benzene, 2,4-Dichloro-1-(CHL)	20000
		Acetone	1000		
		2-Butanone	53 BJ		
		Toluene	16 J		
		Xylenes	22 J		
DB-56 8'-10'	SOIL	Methylene Chloride	33 B	Benzene, 2,4-Dichloro-1-(CHL)	7000
		Acetone	660		
		2-Butanone	61 BJ		

TABLE 2 (CONTINUED)

SUMMARY OF VOLATILE ORGANICS LABORATORY RESULTS

SAMPLE ID	SAMPLE MATRIX	VOLATILE ORGANIC PARAMETER DETECTED	CONCENTRATION (PPB)	PRIMARY TENTATIVELY IDENTIFIED COMPOUND	ESTIMATED CONCENTRATION (PPB)
DB-55 0'-10'	SOIL	Methylene Chloride	4 B J	[3-Pentanone, 2,2,4,4-Tetra	50
		Acetone	85		
		2-Butanone	7 B J		
		4-Methyl-2-Pentanone	15		
DB-55 12'-14'	SOIL	Methylene Chloride	11 B	Hydrocarbon	600
		Acetone	1700 E	[C.10.H.16. Hydrocarbon	600
		2-Butanone	8 B J		
		Toluene	52		
		Ethylbenzene	4 J		
		Xylenes	25		
DB-53 4'-6'	SOIL	Methylene Chloride	7 B	[C.10.H.16. Hydrocarbon	10
		Acetone	33		
		2-Butanone	4 B J		
DB-54 0'-10'	SOIL	Methylene Chloride	5 B J	[C.7.H.6.CL.2. Aromatic	300
		Acetone	540 E		
		2-Butanone	86 B		
DB-54 4'-6'	SOIL	Methylene Chloride	3 B J	ND	
		Acetone	52		
		2-Butanone	4 B J		
DB-53 2'-4'	SOIL	Methylene Chloride	3 B J	ND	
		2-Butanone	2 B J		
TB-13	Water	Methylene Chloride	1 B J	[C.7.H.5.CL.3. Aromatic	100
		2-Butanone	3 B J		
DB-45 10'-12'	SOIL	Acetone	25	ND	
		2-Butanone	4 B J		
DB-45 18'-20'	SOIL	2-Butanone	3 B J	ND	
DB-44 2'-4'	SOIL	Methylene Chloride	3 B J	ND	
DB-44 4'-6'	SOIL	Methylene Chloride	9 B	ND	
DB-51 6'-8'	SOIL	Methylene Chloride	6 B J	ND	
DB-51 8'-10'	SOIL	Methylene Chloride	12 B	ND	
DB-57 2'-4'	SOIL	Methylene Chloride	5 B J	ND	
DB-57 10'-12'	SOIL	Methylene Chloride	3 B J	ND	
		Carbon Disulfide	1 J		
TB-14	Water	Methylene Chloride	5 B	ND	
DB-52 0'-2'	SOIL	Methylene Chloride	5 B J	ND	
		Carbon Disulfide	2 J		
		Tetrachloroethene	6 J		
DB-52 8'-10'	SOIL	ND		ND	
DB-46 6'-8'	SOIL	Methylene Chloride	7 B	ND	
		Carbon Disulfide	3 J		
DB-46 18'-20'	SOIL	Methylene Chloride	5 B J	ND	
		1,2-Dichloroethene	2 J		
		Trichloroethene	3 J		

TABLE 2 (CONTINUED)

SUMMARY OF VOLATILE ORGANICS LABORATORY RESULTS

SAMPLE ID	SAMPLE MATRIX	VOLATILE ORGANIC PARAMETER DETECTED	CONCENTRATION (PPB)	PRIMARY TENTATIVELY IDENTIFIED COMPOUND	ESTIMATED CONCENTRATION (PPB)
TB-15	Water	Methylene Chloride	3 B J	ND	
DB-49 10'-12'	Soil	Methylene Chloride	3 B J	C. 10. H. 16. Hydrocarbon	600
		Acetone	120		
		2-Butanone	7 J		
DB-49 12'-14'	Soil	Methylene Chloride	3 B J	ND	
		Acetone	67		
		2-Butanone	6 J		
RB-2	Water	ND		Hexane (DOT)	1000
SB-16	Soil	Methylene Chloride	3 B J	C. 11. H. 10. Aromatic	20
		Acetone	150		
		Carbon Disulfide	3 J		
		1,1-Dichloroethene	1 J		
		1,2-Dichloroethene	23		
		Trichloroethene	2 J		
SB-17	Soil	Acetone	90	ND	
		Carbon Disulfide	2 J		
		1,2-Dichloroethene	8		
		2-Butanone	10 J		
		Trichloroethene	12		
SB-18	Soil	Methylene Chloride	2 B J	ND	
		1,2-Dichloroethene	7		
		Trichloroethene	40		
		Tetrachloroethene	49		
SB-26	Soil	Methylene Chloride	3 B J	ND	
SB-27	Soil	Methylene Chloride	4 B J	ND	
		1,2-Dichloroethene	14		
		Trichloroethene	21		
		Tetrachloroethene	3 J		
SB-6	Soil	Methylene Chloride	5 B J	ND	
		Trichloroethene	47		
		Tetrachloroethene	18		
SB-7	Soil	Methylene Chloride	6 B	ND	
		Acetone	130		
		2-Butanone	9 J		
SB-8	Soil	Acetone	260 E	Cyclopentane, 1,2,4-Trimethyl	6
		Carbon Disulfide	3 J		
		2-Butanone	21		
SB-9	Soil	Methylene Chloride	6 B	ND	
		Trichloroethene	3 J		
		Tetrachloroethene	2 J		
DB-40 6'-8'	Soil	Vinyl Chloride	2 J	ND	
		Methylene Chloride	6 B J		
		Acetone	310 E		
		2-Butanone	32		
DB-40 8'-10'	Soil	Methylene Chloride	2 B J	ND	
		Acetone	190		
		2-Butanone	18		

TABLE 2 (continued)

SUMMARY OF VOLATILE ORGANICS LABORATORY RESULTS

SAMPLE ID	SAMPLE MATRIX	VOLATILE ORGANIC PARAMETER DETECTED	CONCENTRATION (PPB)	PRIMARY TENTATIVELY IDENTIFIED COMPOUND	ESTIMATED CONCENTRATION (PPB)
DB-41 4'-6'	SOIL	Acetone	650 E	ND	
		2-Butanone	63		
DB-41 20'-22'	SOIL	Methylene Chloride	2 B J	ND	
SB-19	SOIL	Acetone	180	ND	
		Carbon Disulfide	1 J		
		1,2-Dichloroethene	59		
		Trichloroethene	2 J		
SB-20	SOIL	Methylene Chloride	4 B J	ND	
SB-21	SOIL	Methylene Chloride	4 B J	ND	
		Tetrachloroethene	4 J		
SB-22	SOIL	Methylene Chloride	15 B	ND	
		Carbon Disulfide	3 J		
SB-23	SOIL	Methylene Chloride	6 B	ND	
		Trichloroethene	10		
SB-24	SOIL	Methylene Chloride	4 B J	ND	
		Trichloroethene	22		
		Tetrachloroethene	2 J		
SB-25	SOIL	Methylene Chloride	3 B J	ND	
		Trichloroethene	2 J		
		Tetrachloroethene	2 J		
TB-16	Water	Methylene Chloride	2 B J	ND	
DB-50 12'-14'	SOIL	Methylene Chloride	3 B J	ND	
DB-50 8'-10'	SOIL	Methylene Chloride	7 B	ND	
DB-47 14'-16'	SOIL	Methylene Chloride	5 B	ND	
		Acetone	5 J		
		Carbon Disulfide	3 J		
RB-3	Water	Methylene Chloride	5 B J	ND	
DB-47 6'-8'	SOIL	Methylene Chloride	7 B	C, 9, H, 12, Aromatic Hydrocarbon	10
		Acetone	83		
		Carbon Disulfide	4 J		
		2-Butanone	6 J		
TB-17	Water	Methylene Chloride	4 B J	ND	
		Carbon Disulfide	1 J		

LEGEND: B-Parameter found in laboratory blank

J-Measured concentration is below the quantitation limit, and therefore is estimated

E-Concentration exceeded apparent calibration range of test

ND-Not detected

NOTE: Where duplicate samples were analyzed, the highest concentration is included