USEPA Region VII Analytical Services Request (ASR) Form

Activity No.: DC1CY	Date: March 4, 1996
Site Name, City, State: Mound Street PCB Site	
EPA Project Manager: Dave Crawford	
Section/Branch: Region VII / Superfund	Phone No.: 913-551-7702
Contractor Contact: Michael McCurdy	Phone No.: 913-663-2108
Contractor: Sverdrup Corporation, Inc.	
Project Sample Delivery Date: April 4, 1996	
Funding Program Element: Superfund	

Request Summary:

No. Of Samples	Matrix	Group/Parameter Name	Group/Parameter MGP Code
8	Soil	PCB, Vol, Semi-vol 07, Solid	S16, SV, SS S607
6	Water	PCB, Vol, Semi-vol 07 B W24	~~W26~~, WV, WS
1	Water	PCB, Vol, Semi-vol (rinsate) W24	~~W26~~, WV, WS

Use additional pages for clarification

Levels Of Interest Are Specified (mark one): In The QA Document - ■ or On The Back - □

Special Requirements or Comments:

Request standard 8 week analytical turnaround for the requested analyses

NOTE: Submit This Form To RQAM/ENSV 30 Days Before Sample Delivery

Approvals:

David V. Crawford 3/7/96
EPA Project Manager (Date)

EPA Project Manager (Date)

The Following Is Completed By ENSV Personnel ONLY

QA Document: □-Generic QAPP □-Site Specific QAPP □-Other:

Concurrence:

RQAM: APPROVED MAR 13 1996 Comment: 96101

Chief, LABO: M. Thomas 3/14/96 Comment:

DRAFT

Laboratory Assignment:	Schedule Completion:	Distribution:
☒-Region VII	☒-Routine:	■ EPA Project Manager
□-ESAT	• Non-CLP = 4 weeks	■ Chief, LABO/ENSV
□-CLP	• CLP = 8 weeks	□ Chief, GNAN/LABO
□-RECAP	□-Other:	□ Chief, ORGN/LABO
□-Other		■ Chief, CLPM/LABO
	Date:	■ Data Coordinator
		■ RSCC
		□ Other: ESAT

(Revised February 1993)

Site: Mound Street
ID: MO0000093682
Break: 1.3
Other: ASR Form
3-4-96

OJB MAR 11 1996

30024022
Superfund

Levels Of Interest
(Use Additional Copies of this Form as Needed)

Activity No.: DC1CY Site Name: Mound Street PCB Site, St. Louis, Missouri

	Individual Parameter	Matrix	Preliminary and Potential Media Contaminant Benchmark Concentrations	Units
	PCB	Water	4.5	ug/L
	Volatile Organics			
✓	1,1-dichloroethane	Water	—	ug/L
✓	1,1,2-trichloroethane	Water	5 E5	ug/L
✓	1,2-dichloroethane	Water	5 E5	ug/L
✓	1,1,1-trichloroethane	Water	200 E5	ug/L
✓	1,1,2,2-tetrachloroethane	Water	1.7 E3	ug/L
✓	1,2-dichloroethene	Water	100 E5	ug/L
✓	1,2-dichloropropane	Water	39 E5	ug/L
✓	1,1-dichloroethene	Water	3.2 E5	ug/L
* ✓	2-butanone (MEK)	Water	—	ug/L
* ✓	2-hexanone	Water	—	ug/L
✓	4-methyl-1,2-pentanone (MIBK)	Water	—	ug/L
✓	acetone	Water	—	ug/L
✓	benzene	Water	5 E5	ug/L
✓	bromodichloromethane	Water	46 E5	ug/L
✓	bromoform	Water	365 E5	ug/L
✓	bromomethane	Water	—	ug/L
✓	carbon disulfide	Water	—	ug/L
✓	carbon tetrachloride	Water	5 E5	ug/L
✓	chlorobenzene	Water	100 E5	ug/L
✓	chloroethane	Water	—	ug/L
✓	chloroform	Water	100 E5	ug/L
✓	chloromethane	Water	—	ug/L
✓	cis-1,3,-dichloropropene	Water	—	ug/L
✓	dibromochloromethane	Water	35 E5	ug/L
✓	elthyl benzene	Water	320 E5	ug/L
✓	methylene chloride	Water	5 E5	ug/L
✓	stryrene	Water	100 E5	ug/L
✓	tetrachloroethene	Water	5 E5	ug/L
✓	toluene	Water	1000 E5	ug/L

✓	trans-1,3-dichloropropene	Water	----	ug/L
✓	trichloroethene	Water	5 E5	ug/L
✓	vinyl chloride	Water	2 E5	ug/L
✓	xylene s (total)	Water	10000 E5	ug/L
	Semi-volatile Organics			
S	1,4-dichlorobenzene	Water	75 E5	ug/L
S	1,2,4-trichlorobenzene	Water	70 E5	ug/L
S	1,2-dichlorobenzene	Water	400 E5	ug/L
S	1,3-dichlorobenzene	Water	400 E5	ug/L
S	2,6-dinitrotoluene	Water	----	ug/L
S	2,4-dimethylphenol	Water	540 E5	ug/L
S	2,4-dinitrotoluene	Water	1.1 E4	ug/L
	2,2'-oxybis (1-chloropropane)	Water	35 E5	ug/L
S	2,4,5-trichlorophenol	Water	1 E5	ug/L
S	2,4,6-trichlorophenol	Water	2 E5	ug/L
S	2,4-dinitrolphenol	Water	70 E5	ug/L
S	2,4-dichlorophenol	Water	7 E5	ug/L
S	2-chloronaphthalene	Water	4300 E5	ug/L
S	2-chlorophenol	Water	1 E4	ug/L
S	2-methylnaphthalene	Water	----	ug/L
S	2-methylphenol	Water	----	ug/L
S	2-nitroaniline	Water	----	ug/L
S	2-nitrophenol	Water	----	ug/L
S	3,3'-dichlorobenzidine	Water	4 E3	ug/L
S	3-nitroaniline	Water	----	ug/L
S	4,6-dinitro-2-methylphenol	Water	13 E5	ug/L
S	4-bromophenyl-phenylether	Water	----	ug/L
S	4-chloro-3-methylphenol	Water	----	ug/L
S	4-chloroaniline	Water	----	ug/L
S	4-chlorophenyl-phenylether	Water	----	ug/L
S	4-methylphenol	Water	----	ug/L
* S	4-nitroaniline	Water	----	ug/L
S	4-nitrophenol	Water	----	ug/L
S	acenaphthene	Water	20 E5	ug/L
S	acenaphthylene	Water	440	ug/L
S	anthracene	Water	440	ug/L

benzyl alcohol bis 2 cl i propyl ether benzoic acid

S	benz(g,h,i)perylene	Water	440	ug/L
S	benzo(a)anthracene	Water	440	ug/L
S	benzo(b)fluoranthene	Water	440	ug/L
S	benzo(a)pyrene	Water	4900	ug/L
S	benzo(k)fluoranthene	Water	440	ug/L
S	bis(2-chloroethoxy) methane	Water	----	ug/L
S	bis(2-ethylhexyl)phthalate	Water	5.9 E5	ug/L
S	bis(2-chloroethyl) ether	Water	3000	ug/L
S	butylbenzylphthalate	Water	3000 E5	ug/L
S	carbazole	Water	----	ug/L
S	chrysene	Water	440	ug/L
S	di-n-butylphthalate	Water	2700 E5	ug/L
S	di-n-octylphthalate	Water	----	ug/L
S	dibenz(a,h)anthracene	Water	440	ug/L
S	dibenzofuran	Water	----	ug/L
S	diethylphthalate	Water	23000 E5	ug/L
S	dimethylphthalate	Water	313000 E5	ug/L
S	fluoranthene	Water	300 E5	ug/L
S	fluorene	Water	440	ug/L
S	hexachlorobenzene	Water	74	ug/L
S	hexachlorobutadiene	Water	4.5 E4	ug/L
S	hexachlorocyclopentadiene	Water	5 E4	ug/L
S	hexachloroethane	Water	1.9 E5	ug/L
S	Indeno(1,2,3-cd)pyrene	Water	440	ug/L
S	isophorone	Water	36 E5	ug/L
S	N-nitroso-di-n-dipropylamine	Water	1.4 E5	ug/L
S	N-nitrosodiphenylamine	Water	5 E5	ug/L
S	naphthalene	Water	----	ug/L
S	nitrobenzene	Water	17 E5	ug/L
S	pentachlorophenol	Water	1 E5	ug/L
S	phenanthrene	Water	440	ug/L
S	phenol	Water	1 E5	ug/L
S	pyrene	Water	960 E5	ug/L
•	PCB	Soil	0.74	mg/kg
	Volatile Organics			
	1,1-dichloroethane	Soil	200000	mg/kg

1,1,2-trichloroethane	Soil	100	mg/kg
1,2-dichloroethane	Soil	63	mg/kg
1,1,1-trichloroethane	Soil	180000	mg/kg
1,1,2,2-tetrachloroethane	Soil	29	mg/kg
1,2-dichloroethene	Soil	18000	mg/kg
1,2-dichloropropane	Soil	84	mg/kg
1,1-dichloroethene	Soil	9.5	mg/kg
2-butanone	Soil	1000000	mg/kg
2-hexanone	Soil	---	mg/kg
4-methyl-1,2-pentanone	Soil	160000	mg/kg
acetone	Soil	200000	mg/kg
benzene	Soil	200	mg/kg
bromodichloromethane	Soil	92	mg/kg
bromoform	Soil	720	mg/kg
bromomethane	Soil	2900	mg/kg
carbon disulfide	Soil	200000	mg/kg
carbon tetrachloride	Soil	44	mg/kg
chlorobenzene	Soil	41000	mg/kg
chloroethane	Soil	820000	mg/kg
chloroform	Soil	940	mg/kg
chloromethane	Soil	440	mg/kg
cis-1,3,-dichloropropene	Soil	33	mg/kg
dibromochloromethane	Soil	34	mg/kg
elthyl benzene	Soil	200000	mg/kg
methylene chloride	Soil	760	mg/kg
stryrene	Soil	410000	mg/kg
tetrachloroethene	Soil	110	mg/kg
toluene	Soil	410000	mg/kg
trans-1,3-dichloropropene	Soil	33	mg/kg
trichloroethene	Soil	520	mg/kg
vinyl chloride	Soil	3	mg/kg
xylene	Soil	1000000	mg/kg
Semi-volatile Organics			
1,4-dichlorobenzene	Soil	240	mg/kg
1,2,4-trichlorobenzene	Soil	20000	mg/kg
1,2-dichlorobenzene	Soil	180000	mg/kg

1,3-dichlorobenzene	Soil	180000	mg/kg
2,6-dinitrotoluene	Soil	2000	mg/kg
2,4-dimethylphenol	Soil	410000	mg/kg
2,4-dinitrotoluene	Soil	4100	mg/kg
2,2'-oxybis (1-chloropropane)	Soil	82	mg/kg
2,4,5-trichlorophenol	Soil	200000	mg/kg
2,4,6-trichlorophenol	Soil	520	mg/kg
2,4-dinitrolphenol	Soil	4100	mg/kg
2,4-dichlorophenol	Soil	6100	mg/kg
2-chloronaphthalene	Soil	160000	mg/kg
2-chlorophenol	Soil	10000	mg/kg
2-methylnaphthalene	Soil	—	mg/kg
2-methylphenol	Soil	100000	mg/kg
2-nitroaniline	Soil	120	mg/kg
2-nitrophenol	Soil	—	mg/kg
3,3'-dichlorobenzidine	Soil	13	mg/kg
3-nitroaniline	Soil	6100	mg/kg
4,6-dinitro-2-methylphenol	Soil	—	mg/kg
4-bromophenyl-phenylether	Soil	120000	mg/kg
4-chloro-3-methylphenol	Soil	—	mg/kg
4-chloroaniline	Soil	8200	mg/kg
4-chlorophenyl-phenylether	Soil	—	mg/kg
4-methylphenol	Soil	10000	mg/kg
4-nitroaniline	Soil	6100	mg/kg
4-nitrophenol	Soil	130000	mg/kg
acenaphthene	Soil	120000	mg/kg
acenaphthylene	Soil	—	mg/kg
anthracene	Soil	610000	mg/kg
benzo(g,h,i)perylene	Soil	—	mg/kg
benzo(a)anthracene	Soil	7.8	mg/kg
benzo(b)fluoranthene	Soil	7.8	mg/kg
benzo(b)pyrene ?	Soil	0.78	mg/kg
benzo(k)fluoranthene	Soil	78	mg/kg
bis(2-chloroethoxy) methane	Soil	—	mg/kg
bis(2-ethylhexyl)phthalate	Soil	410	mg/kg
bis(2-chloroethyl) ether	Soil	5.2	mg/kg

butylbenzylphthalate	Soil	410000	mg/kg
carbazole	Soil	140	mg/kg
chrysene	Soil	780	mg/kg
di-n-butylphthalate	Soil	140	mg/kg
di-n-octylphthalate	Soil	41000	mg/kg
dibenz(a,h)anthracene	Soil	0.78	mg/kg
dibenzofuran	Soil	8200	mg/kg
diethylphthalate	Soil	1000000	mg/kg
dimethylphthalate	Soil	1000000	mg/kg
fluoranthene	Soil	82000	mg/kg
fluorene	Soil	82000	mg/kg
hexachlorobenzene	Soil	3.6	mg/kg
hexachlorobutadiene	Soil	73	mg/kg
hexachlorocyclopentadiene	Soil	14000	mg/kg
hexachloroethane	Soil	410	mg/kg
Indeno(1,2,3-cd)pyrene	Soil	7.8	mg/kg
isophorone	Soil	----	mg/kg
N-nitroso-di-n-dipropylamine	Soil	----	mg/kg
N-nitrosodiphenylamine	Soil	1200	mg/kg
naphthalene	Soil	82000	mg/kg
nitrobenzene	Soil	1000	mg/kg
pentachlorophenol	Soil	48	mg/kg
phenanthrene	Soil	----	mg/kg
phenol	Soil	1000000	mg/kg
pyrene	Soil	61000	mg/kg

Water benchmark values are the lowest MDNR Water Quality Standards for each analyte, with a Mississippi River dilution of 1 E5 (from SI Table 12, HRS Table 4-13, Surface Water Dilution Weights, SI Scoresheets) (3/94).

Soil benchmark values are the industrial screening levels taken from EPA Region III Soil Screening Table (5/95).

Analytes with no value (----) will have the requested detection limit as a benchmark value.

USEPA Region VII Sampling Supplies Request (SSR) Form

Activity No.: DC1CY Site Name: Mound Street PCB Site, St. Louis, Missouri

Contact Name: Michael McCurdy -- Sverdrup Corporation Telephone No.: 913-663-2108

Date equipment to be Picked Up: March 29, 1996

ITEM DESCRIPTION	**AMOUNT NEEDED**
SAMPLE CONTAINERS:	
4-oz (100 ml) Plastic Bottles	
1-Liter Plastic Cubitainer	
4-Liter Plastic Cubitainer	
8-Liter Plastic Cubitainer	
20-Liter Plastic Cubitainer	
40-ml Glass Vials (Routine - 2 ea. in 1-liter cubitainer with charcoal thimble)	16
40-ml Glass Vials (Low DL - 4 ea. in 1-liter cubitainer with charcoal thimble)	
8-oz. (250 ml) Wide-Mouth Glass Jar	22
32-oz. (1 Liter) Wide-Mouth Glass Jar	
8-oz. (250 ml) Amber Glass Bottle	
80-oz (2.5 Liter) Amber Glass Bottle	~~8~~ 24
4-Liter Amber Glass Bottle	
SAMPLING SUPPLIES:	
Sampling Spoons	10
Aluminum Pans	10
1-qt. (1 Liter) Metal Paint Can (with Vermiculite®)	
1-gal. (4 Liter) Metal Paint Can (with Vermiculite®)	
Other:	
PRESERVATIVES: (return preservative containers to the laboratory)	
HCl (1:1)	1
HNO_3 (1:1)	~~X~~
H_2SO_4 (Concentrated)	
NaOH (Pellets)	
Other:	
SHIPPING SUPPLIES:	
Large Plastic Bags (ice chest liners)	4
Ice Chests	4
Fiber tape (by roll)	1
Custody-Seal Tape (by piece, not roll)	16
Chain-Of-Custody Forms	6
Storage Bags for Chain-Of-Custody Forms	6
Foam Packing	4 coolers worth
QUALITY CONTROL SAMPLES:	
Water Trip Blank (VOA only)	1
Soil Trip Blank (VOA only)	1

Performance Evaluation (PE) Samples:

Number Of Samples	Matrix	Target Analytes	Desired Concentration Range