Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663

Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com

Employee Owned Integrity Caring Continual Improvement

Results

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Account	*Project*
MCKB-A	641468

Report To

Kenneth Berry
Matrix Construction Products
PO Box 9394
3075 Book Road, Ste. 103
Naperville, IL 60567

Results

Parameter		Results	Units	RL	Flags	CAS	Bottle
1274066	**Big-Foot Product**						*Received:* 01/30/2014
Liquid Aqueous		*Collected by:* Client		*Affiliation:* Matrix Construction			
	Prepared:	***554078***	*02/03/2014*			*07:45:00*	
EPA 6020A			*Analyzed: WOB*	*02/03/2014*		*15:28:00 QCgroup*	*554169*
N	**Arsenic**	**0.00333**	**mg/L**	0.0025		**7440-38-2**	10
N	**Barium**	**<0.025**	**mg/L**	0.025		**7440-39-3**	10
N	**Beryllium**	**<0.0025**	**mg/L**	0.0025		**7440-41-7**	10
N	**Cadmium**	**<0.0025**	**mg/L**	0.0025		**7440-43-9**	10
N	**Chromium**	**0.0025**	**mg/L**	0.0025		**7440-47-3**	10
N	**Copper**	**0.00894**	**mg/L**	0.005	B	**7440-50-8**	10
N	**Lead**	**<0.0025**	**mg/L**	0.0025		**7439-92-1**	10
N	**Nickel**	**<0.005**	**mg/L**	0.005		**7440-02-0**	10
N	**Selenium**	**0.011**	**mg/L**	0.005		**7782-49-2**	10
N	**Silver**	**<0.0025**	**mg/L**	0.0025		**7440-22-4**	10
N	**Thallium**	**0.00318**	**mg/L**	0.0025		**7440-28-0**	10
N	**Zinc**	**0.0952**	**mg/L**	0.025		**7440-66-6**	10
	Prepared:	***554414***	*02/05/2014*			*11:30:00*	
EPA 6020A			*Analyzed: WOB*	*02/05/2014*		*13:48:00 QCgroup*	*554465*
N	**Antimony**	**<0.025**	**mg/L**	0.025		**7440-36-0**	25
	Prepared:	***554461***	*02/05/2014*			*13:00:00*	
EPA 7470A			*Analyzed: SAM*	*02/06/2014*		*08:17:00 QCgroup*	*554557*
N	**Mercury**	**<0.200**	**ug/L**	0.200		**7439-97-6**	26
	Prepared:	***554112***	*02/03/2014*			*08:00:00*	
EPA 8081A			*Analyzed: KJS*	*02/04/2014*		*20:26:00 QCgroup*	*554494*
N	**Aldrin**	**<41600**	**ug/L**	41600	P	**309-00-2**	15
N	**Alpha-BHC(hexachlorocyclohexane)**	**<104000**	**ug/L**	104000		**319-84-6**	15
N	**Beta-BHC(hexachlorocyclohexane)**	**<41600**	**ug/L**	41600		**319-85-7**	15
N	**Delta-BHC(hexachlorocyclohexane)**	**<41600**	**ug/L**	41600		**319-86-8**	15
N	**Gamma-BHC(Lindane)**	**<41600**	**ug/L**	41600	P	**58-89-9**	15
N	**Chlordane**	**<41600**	**ug/L**	41600		**12789-0306**	15
N	**4,4-DDD**	**<104000**	**ug/L**	104000		**72-54-8**	15
N	**4,4-DDE**	**<104000**	**ug/L**	104000		**72-55-9**	15
N	**4,4-DDT**	**<41600**	**ug/L**	41600		**50-29-3**	15
N	**Dieldrin**	**<41600**	**ug/L**	41600		**60-57-1**	15
N	**Endosulfan I (alpha)**	**<41600**	**ug/L**	41600		**959-98-8**	15
N	**Endosulfan II (beta)**	**<41600**	**ug/L**	41600		**33213-65-9**	15
N	**Endosulfan sulfate**	**<41600**	**ug/L**	41600		**1031-07-8**	15
N	**Endrin**	**<41600**	**ug/L**	41600		**72-20-8**	15

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Parameter		Results	Units	RL	Flags	CAS	Bottle
1274066	**Big-Foot Product**					*Received:* 01/30/2014	
Liquid Aqueous		*Collected by:* Client		*Affiliation:* Matrix Construction			
EPA 8081A			*Analyzed:* KJS	02/04/2014	20:26:00	*QCgroup*	554494
N	**Endrin aldehyde**	**<104000**	**ug/L**	104000		**7421-93-4**	15
	Heptachlor	**<41600**	**ug/L**	41600		**76-44-8**	15
N	**Heptachlor epoxide**	**<41600**	**ug/L**	41600		**1024-57-3**	15
N	**Kelthane (Dicofol)**	**<416000**	**ug/L**	416000		**115-32-2**	15
N	**Methoxychlor**	**<41600**	**ug/L**	41600		**72-43-5**	15
N	**Mirex**	**<104000**	**ug/L**	104000		**2385-85-5**	15
N	**Toxaphene**	**<41600**	**ug/L**	41600		**8001-35-2**	15
	Prepared:	***554112***	*02/03/2014*		*08:00:00*		
EPA 8082			*Analyzed:* KJS	02/04/2014	20:26:00	*QCgroup*	554658
N	**PCB-1016**	**<2080000**	**ug/L**	2080000		**12674-11-2**	15
N	**PCB-1221**	**<2080000**	**ug/L**	2080000		**11104-28-2**	15
N	**PCB-1232**	**<2080000**	**ug/L**	2080000		**11141-16-5**	15
N	**PCB-1242**	**<2080000**	**ug/L**	2080000		**53469-21-9**	15
N	**PCB-1248**	**<2080000**	**ug/L**	2080000		**12672-29-6**	15
N	**PCB-1254**	**<2080000**	**ug/L**	2080000		**11097-69-1**	15
N	**PCB-1260**	**<2080000**	**ug/L**	2080000		**11096-82-5**	15
	Prepared:	***554111***	*02/03/2014*		*08:00:00*		
EPA 8151A			*Analyzed:* EMT	02/04/2014	17:21:00	*QCgroup*	554438
N	**2,4 Dichlorophenoxyacetic acid**	**<208000000**	**ug/L**	208000000		**94-75-7**	12
N	**2,4,5-TP (Silvex)**	**<208000000**	**ug/L**	208000000		**93-72-1**	12
	Prepared:	***554378***	*02/04/2014*		*21:14:00*		
EPA 8260B			*Analyzed:* AAC	02/04/2014	21:14:00	*QCgroup*	554378
N	**Acetone**	**<25000**	**ug/L**	25000		**67-64-1**	09
N	**Acrolein**	**<5000**	**ug/L**	5000		**107-02-8**	09
N	**Acrylonitrile**	**<5000**	**ug/L**	5000		**107-13-1**	09
N	**Benzene**	**<5000**	**ug/L**	5000		**71-43-2**	09
N	**Bromobenzene**	**<5000**	**ug/L**	5000		**108-86-1**	09
N	**Bromochloromethane**	**<5000**	**ug/L**	5000		**74-97-5**	09
N	**Bromodichloromethane**	**<5000**	**ug/L**	5000		**75-27-4**	09
N	**Bromoform**	**<5000**	**ug/L**	5000		**75-25-2**	09
N	**Bromomethane (Methyl Bromi**	**<5000**	**ug/L**	5000		**74-83-9**	09
N	**n-Butylbenzene**	**<5000**	**ug/L**	5000		**104-51-8**	09
N	**sec-Butylbenzene**	**<5000**	**ug/L**	5000		**135-98-8**	09
N	**tert-Butylbenzene**	**<5000**	**ug/L**	5000		**98-06-6**	09
N	**tert-Butylmethylether (MTBE)**	**<5000**	**ug/L**	5000		**1634-04-4**	09
N	**Carbon Tetrachloride**	**<5000**	**ug/L**	5000		**56-23-5**	09
N	**Chlorobenzene**	**<5000**	**ug/L**	5000		**108-90-7**	09
N	**Chloroethane**	**<5000**	**ug/L**	5000		**75-00-3**	09
N	**2-Chloroethylvinyl ether**	**<5000**	**ug/L**	5000		**110-75-8**	09
N	**Chloroform**	**<5000**	**ug/L**	5000		**67-66-3**	09
N	**Chloromethane**	**<5000**	**ug/L**	5000		**74-87-3**	09
N	**1,2-Dibromo-3-chloropropane**	**<5400**	**ug/L**	5400		**96-12-8**	09

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1274066 **Big-Foot Product** *Received:* 01/30/2014

Liquid Aqueous *Collected by:* Client *Affiliation:* Matrix Construction

EPA 8260B *Analyzed:* AAC 02/04/2014 21:14:00 *QCgroup* 554378

	Parameter	Results	Units	RL	Flags	CAS	Bottle
N	2-Chlorotoluene	<5000	ug/L	5000		95-49-8	09
N	4-Chlorotoluene	<5000	ug/L	5000		106-43-4	09
N	Dibromochloromethane	<5000	ug/L	5000		124-48- 1	09
N	1,2-Dibromoethane	<5000	ug/L	5000		106-93-4	09
N	Dibromomethane	<5000	ug/L	5000		74-95-3	09
N	1,3-Dichlorobenzene	<5000	ug/L	5000		541-73-1	09
N	1,2-Dichlorobenzene	<5000	ug/L	5000		95-50-1	09
N	1,4-Dichlorobenzene	<5000	ug/L	5000		106-46-7	09
N	Dichlorodifluoromethane	<5000	ug/L	5000		75-71-8	09
N	1,1-Dichloroethane	<5000	ug/L	5000		75-34-3	09
N	1,2-Dichloroethane	<5000	ug/L	5000		107-06-2	09
N	trans-1,2-Dichloroethene	<5000	ug/L	5000		156-60-5	09
N	cis-1,2-Dichloroethene	<5000	ug/L	5000		156-59-2	09
N	1,1-Dichloroethylene	<5000	ug/L	5000		75-35-4	09
N	1,3-Dichloropropane	<5000	ug/L	5000		142-28-9	09
N	2,2-Dichloropropane	<15000	ug/L	15000		594-20-7	09
N	1,2-Dichloropropane	<5000	ug/L	5000		78-87-5	09
N	1,1-Dichloropropene	<5000	ug/L	5000		563-58-6	09
N	cis-1,3-Dichloropropene	<5000	ug/L	5000		10061-01-5	09
N	trans-1,3-Dichloropropene	<5000	ug/L	5000		10061-02-6	09
N	Ethylbenzene	7850	ug/L	5000		100-41-4	09
N	Hexachlorobutadiene	<13400	ug/L	13400		87-68-3	09
N	Isopropylbenzene (Cumene)	<5000	ug/L	5000		98-82-8	09
N	p-Isopropyltoluene	<5000	ug/L	5000		99-87-6	09
N	Methyl ethyl ketone (Butanone)	19200	ug/L	10000	X	78-93-3	09
N	Methyl Isobutyl Ketone	<5000	ug/L	5000		108-10-1	09
N	Methylene chloride	<5000	ug/L	5000		75-09-2	09
N	Naphthalene	<10000	ug/L	10000		91-20-3	09
N	n-Propylbenzene	<5000	ug/L	5000		103-65-1	09
N	Styrene	<5000	ug/L	5000		100-42-5	09
N	1,1,1,2-Tetrachloroethane	<5000	ug/L	5000		630-20-6	09
N	1,1,2,2-Tetrachloroethane	<5000	ug/L	5000		79-34-5	09
N	Tetrachloroethylene	<5000	ug/L	5000		127-18-4	09
N	Toluene	<5000	ug/L	5000		108-88-3	09
N	1,2,3-Trichlorobenzene	<5000	ug/L	5000		87-61-6	09
N	1,2,4-Trichlorobenzene	<5000	ug/L	5000		120-82-1	09
N	1,1,1-Trichloroethane	<5000	ug/L	5000		71-55-6	09
N	1,1,2-Trichloroethane	<5000	ug/L	5000		79-00-5	09
N	Trichloroethylene	<5000	ug/L	5000		79-01-6	09
N	Trichlorofluoromethane	<5000	ug/L	5000		75-69-4	09
N	1,2,3-Trichloropropane	<5000	ug/L	5000		96-18-4	09
N	1,2,4-Trimethylbenzene	<5000	ug/L	5000		95-63-6	09
N	1,3,5-Trimethylbenzene	<5000	ug/L	5000		108-67-8	09
N	Vinyl chloride	<5000	ug/L	5000		75-01-4	09
N	m- and p-Xylene	34800	ug/L	5000		ARC-mpXyl	09

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1274066	**Big-Foot Product**					*Received:* 01/30/2014	
Liquid Aqueous		*Collected by:* Client		*Affiliation:* Matrix Construction			
EPA 8260B			*Analyzed:* AAC	*02/04/2014*	*21:14:00*	*QCgroup*	*554378*
N	**o-Xylene**	**9800**	**ug/L**	5000		**95-47-6**	09
	Prepared:	***554114***	*02/03/2014*		*08:00:00*		
EPA 8270C			*Analyzed:* KJS	*02/04/2014*	*17:38:00*	*QCgroup*	*554603*
N	**Acenaphthene**	**<41600000**	**ug/L**	41600000		**83-32-9**	18
N	**Acenaphthylene**	**<41600000**	**ug/L**	41600000		**208-96-8**	18
N	**Anthracene**	**<41600000**	**ug/L**	41600000		**120-12-7**	18
N	**Benzidine**	**<208000000**	**ug/L**	208000000		**92-87-5**	18
N	**Benzo(a)anthracene**	**<41600000**	**ug/L**	41600000		**56-55-3**	18
N	**Benzo(a)pyrene**	**<416000000**	**ug/L**	416000000		**50-32-8**	18
N	**Benzo(b)fluoranthene**	**<41600000**	**ug/L**	41600000		**205-99-2**	18
N	**Benzo(ghi)perylene**	**<41600000**	**ug/L**	41600000		**191-24-2**	18
N	**Benzo(k)fluoranthene**	**<41600000**	**ug/L**	41600000		**207-08-9**	18
N	**Benzyl Butyl phthalate**	**<41600000**	**ug/L**	41600000		**85-68-7**	18
N	**4-Bromophenyl phenyl ether**	**<41600000**	**ug/L**	41600000		**101-55-3**	18
N	**n-Nitroso-di-n-butylamine**	**<41600000**	**ug/L**	41600000		**924-16-3**	18
N	**Di-n-butylphthalate**	**<208000000**	**ug/L**	208000000		**84-74-2**	18
N	**Indeno(1,2,3-cd)pyrene**	**<41600000**	**ug/L**	41600000		**193-39-5**	18
N	**Bis(2-chloroethoxy)methane**	**<41600000**	**ug/L**	41600000		**111-91-1**	18
N	**Bis(2-chloroethyl)ether**	**<41600000**	**ug/L**	41600000		**111-44-4**	18
N	**Bis(2-chloroisopropyl)ether**	**<70700000**	**ug/L**	70700000		**39638-32-9**	18
N	**2-Chloronaphthalene**	**<41600000**	**ug/L**	41600000		**91-58-7**	18
N	**2-Chlorophenol**	**<208000000**	**ug/L**	208000000		**95-57-8**	18
N	**4-Chlorophenyl phenyl ethe**	**<41600000**	**ug/L**	41600000		**7005-72-3**	18
N	**Chrysene (Benzo(a)phenanthrene)**	**<41600000**	**ug/L**	41600000		**218-01-9**	18
N	**2-Methylphenol (o-Cresol)**	**<104000000**	**ug/L**	104000000		**95-48-7**	18
N	**3&4-Methylphenol (m&p-Cresol)**	**<416000000**	**ug/L**	416000000		**MEPH34**	18
N	**Dibenz(a,h)anthracene**	**<41600000**	**ug/L**	41600000		**53-70-3**	18
N	**1,3-Dichlorobenzene**	**<83200000**	**ug/L**	83200000		**541-73-1**	18
N	**1,2-Dichlorobenzene**	**<83200000**	**ug/L**	83200000		**95-50-1**	18
N	**1,4-Dichlorobenzene**	**<83200000**	**ug/L**	83200000		**106-46-7**	18
N	**3,3'-Dichlorobenzidine**	**<83200000**	**ug/L**	83200000		**91-94-1**	18
N	**2,4-Dichlorophenol**	**<416000000**	**ug/L**	416000000		**120-83-2**	18
N	**Diethyl phthalate**	**<152000000**	**ug/L**	152000000		**84-66-2**	18
N	**Dimethyl phthalate**	**<208000000**	**ug/L**	208000000		**131-11-3**	18
N	**2,4-Dimethylphenol**	**<83200000**	**ug/L**	83200000		**105-67-9**	18
N	**2,4-Dinitrophenol**	**<83200000**	**ug/L**	83200000		**51-28-5**	18
N	**2,4-Dinitrotoluene**	**<41600000**	**ug/L**	41600000		**121-14-2**	18
N	**2,6-Dinitrotoluene**	**<41600000**	**ug/L**	41600000		**606-20-2**	18
N	**1,2-DPH (as azobenzene)**	**<41600000**	**ug/L**	41600000		**122-66-7**	18
N	**Bis(2-ethylhexyl)phthalate**	**<83200000**	**ug/L**	83200000		**117-81-7**	18
N	**Fluoranthene(Benzo(j,k)fluorene)**	**<41600000**	**ug/L**	41600000		**206-44-0**	18
N	**Fluorene**	**<41600000**	**ug/L**	41600000		**86-73-7**	18
N	**Hexachlorobenzene**	**<41600000**	**ug/L**	41600000		**118-74-1**	18
N	**Hexachlorobutadiene**	**<83200000**	**ug/L**	83200000		**87-68-3**	18

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1274066	**Big-Foot Product**					*Received:*	01/30/2014
Liquid Aqueous		*Collected by:*	Client	*Affiliation:*	Matrix Construction		
EPA 8270C			*Analyzed:*	*KJS*	*02/04/2014*	*17:38:00*	*QCgroup*	*554603*
N	**Hexachlorocyclopentadiene**	**<83200000**	**ug/L**	83200000		**77-47-4**	18
N	**Hexachloroethane**	**<83200000**	**ug/L**	83200000		**67-72-1**	18
N	**Isophorone**	**<41600000**	**ug/L**	41600000		**78-59-1**	18
N	**p-Chloro-m-Cresol (4-Chloro-3-me**	**<416000000**	**ug/L**	416000000		**59-50-7**	18
N	**4,6-Dinitro-2-methylphenol**	**<83200000**	**ug/L**	83200000		**534-52-1**	18
N	**Naphthalene**	**<44100000**	**ug/L**	44100000		**91-20-3**	18
N	**Nitrobenzene**	**<41600000**	**ug/L**	41600000		**98-95-3**	18
N	**2-Nitrophenol**	**<41600000**	**ug/L**	41600000		**88-75-5**	18
N	**4-Nitrophenol**	**<41600000**	**ug/L**	41600000		**100-02-7**	18
N	**n-Nitrosodiethylamine**	**<83200000**	**ug/L**	83200000		**55-18-5**	18
N	**N-Nitrosodimethylamine**	**<208000000**	**ug/L**	208000000		**62-75-9**	18
N	**N-Nitrosodiphenylamine (as DPA**	**<416000000**	**ug/L**	416000000		**86-30-6**	18
N	**Di-n-octylphthalate**	**<269000000**	**ug/L**	269000000		**117-84-0**	18
N	**Pentachlorobenzene**	**<83200000**	**ug/L**	83200000		**608-93-5**	18
N	**Pentachlorophenol**	**<416000000**	**ug/L**	416000000		**87-86-5**	18
N	**Phenanthrene**	**<41600000**	**ug/L**	41600000		**85-01-8**	18
N	**Phenol**	**<208000000**	**ug/L**	208000000		**108-95-2**	18
N	**N-Nitrosodi-n-propylamine**	**<41600000**	**ug/L**	41600000		**621-64-7**	18
N	**Pyrene**	**<41600000**	**ug/L**	41600000		**129-00-0**	18
N	**Pyridine**	**<208000000**	**ug/L**	208000000		**110-86-1**	18
N	**1,2,4,5-Tetrachlorobenzene**	**<83200000**	**ug/L**	83200000		**95-94-3**	18
N	**1,2,4-Trichlorobenzene**	**<83200000**	**ug/L**	83200000		**120-82-1**	18
N	**2,4,5-Trichlorophenol**	**<208000000**	**ug/L**	208000000		**95-95-4**	18
N	**2,4,6-Trichlorophenol**	**<416000000**	**ug/L**	416000000		**88-06-2**	18
EPA 8270C			*Analyzed:*	*CAL*	*02/10/2014*	*11:30:25*	*QCgroup*	*554603*
N	**Cresols Total**	**<416000000**	**ug/L**	416000000		**1319-77-3, etc.**	18
	Prepared:	***554325***	*02/05/2014*			*09:30:00*		
EPA 9014			*Analyzed:*	*MDD*	*02/05/2014*	*16:40:50*	*QCgroup*	*554524*
N	**Cyanide**	**<0.005**	**mg/L**	0.005			24
	Prepared:	***553954***	*01/31/2014*			*16:00:00*		
EPA 9040C			*Analyzed:*	*JTF*	*01/31/2014*	*16:00:00*	*QCgroup*	*553954*
N	**Laboratory pH**	**8.2@20C**	**SU**	2.00			01
	Prepared:	***554327***	*02/05/2014*			*08:50:00*		
EPA 9070A			*Analyzed:*	*RAK*	*02/05/2014*	*08:50:00*	*QCgroup*	*554327*
N	**Oil and Grease (HEM)**	**<4.49**	**mg/L**	4.49			21
	Prepared:	***554144***	*02/03/2014*			*14:15:10*		
SM 5210 B-2001			*Analyzed:*	*JWK*	*02/08/2014*	*11:24:35*	*QCgroup*	*554144*
N	**Biochemical Oxygen Demand (BOD5)**	**3.56**	**mg/L**	2.00		**1026-3**	02
	Prepared:	***554340***	*02/04/2014*			*15:45:00*		
SM 5220 D-97			*Analyzed:*	*BAA*	*02/04/2014*	*15:45:00*	*QCgroup*	*554340*

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Results

Printed: 02/17/2014

Results

Parameter	Results	Units	RL	Flags	CAS	Bottle

1274066 **Big-Foot Product** *Received:* 01/30/2014

Liquid Aqueous *Collected by:* Client *Affiliation:* Matrix Construction

SM 5220 D-97 *Analyzed:* BAA 02/04/2014 15:45:00 QCgroup 554340

N **Chemical Oxygen Demand** **260** **mg/L** 20 22

Sample Preparation

1274066 **Big-Foot Product** *Received:* 01/30/2014

Prepared: 02/10/2014 11:30:25

Analyzed: CAL 02/10/2014 11:30:25 QCgroup

z **Special Sample Prep** **Verified**

Prepared: ***554078*** 02/03/2014 07:45:00

EPA 200.2 2.8 *Analyzed:* TES 02/03/2014 07:45:00 QCgroup 554078

N **Liquid Metals Digestion** **50/10** **ml** 02

Prepared: ***554414*** 02/05/2014 11:30:00

EPA 200.2 2.8 *Analyzed:* TES 02/05/2014 11:30:00 QCgroup 554414

N **Liquid Metals Digestion** **50/10** **ml** 02

Prepared: ***554112*** 02/03/2014 08:00:00

EPA 3510C *Analyzed:* CVE 02/03/2014 08:00:00 QCgroup 554112

Liquid-Liquid Extr. W/Hex Ex **10/1** **ml** 04

Prepared: ***554112*** 02/03/2014 08:00:00

EPA 608 *Analyzed:* KJS 02/04/2014 20:26:00 QCgroup 554494

z **Table 1 Organochlorine Pesticide** **Entered** 15

Prepared: ***554108*** 02/03/2014 09:30:00

EPA 7470A *Analyzed:* ALH 02/03/2014 09:30:00 QCgroup 554108

N **Mercury Liquid Metals Digestion** **50/25** **ml** 02

Prepared: ***554461*** 02/05/2014 13:00:00

EPA 7470A *Analyzed:* PJD 02/05/2014 13:00:00 QCgroup 554461

N **Mercury Liquid Metals Digestion** **50/25** **ml** 02

Prepared: ***554112*** 02/03/2014 08:00:00

EPA 8082 *Analyzed:* KJS 02/04/2014 20:26:00 QCgroup 554658

N **Polychlorinated Biphenyls** **Entered** 15

Prepared: ***554111*** 02/03/2014 08:00:00

EPA 8151A *Analyzed:* EMT 02/04/2014 17:21:00 QCgroup 554438

N **Herbicides by GC** **Entered** 12

Prepared: ***554325*** 02/05/2014 09:30:00

EPA 9010C *Analyzed:* CDB 02/05/2014 09:30:00 QCgroup 554325

N **Cyanide Distillation** **25/50** **ml** 23

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Results

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Sample Preparation

1274066 **Big-Foot Product** *Received:* 01/30/2014

		Prepared:	***554144***	*02/03/2014*		*14:15:10*		
SM 5210 B-2001				*Analyzed:*	*JWK*	*02/03/2014*	*14:15:10*	*QCgroup*	*554144*
N	**BOD Set Started**		**Started**					
		Prepared:	***554114***	*02/03/2014*		*08:00:00*		
SW 3510C				*Analyzed:*	*CVE*	*02/03/2014*	*08:00:00*	*QCgroup*	*554114*
N	**Liquid-Liquid Extraction, BNA**		**10/1**	**ml**				04
		Prepared:	***554111***	*02/03/2014*		*08:00:00*		
SW-846 8151A				*Analyzed:*	*CVE*	*02/03/2014*	*08:00:00*	*QCgroup*	*554111*
N	**Esterification of Sample**		**100/0.1**	**ml**				04
		Prepared:	***554378***	*02/04/2014*		*21:14:00*		
SW-846 8260B				*Analyzed:*	*AAC*	*02/04/2014*	*21:14:00*	*QCgroup*	*554378*
N	**Volatiles by GC/MS**		**Entered**					09
		Prepared:	***554114***	*02/03/2014*		*08:00:00*		
SW-846 8270				*Analyzed:*	*KJS*	*02/04/2014*	*17:38:00*	*QCgroup*	*554603*
z	**TTO ABN 40 CFR Pt 122 Table II**		**Entered**					18

Qualifiers:

B - Analyte detected in the associated method blank
P - Spike recovery outside control limits due to possible matrix
X - Standard reads higher than desired.

We report results on an 'As Received' or wet basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab's corporate laboratory that holds the following Federal and State certificates: Texas Department of Health Lead Firm Certificate 2110076, US Department of Agriculture Soil Import Permit S-37592, Texas Commisson on Environmental Quality Drinking Water Laboratory Certificate TX219, Texas Commission on Environmental Quality NELAP T104704201, Oklahoma Department of Environmental Quality Drinking Water Certification Lab ID# D9913, EPA Lab Number TX00063, USEPA Approved Perchlorate Testing Lab, Oklahoma Department of Environmental Quality Laboratory Certificate 8125, Arkansas Department of Environmental Quality Certification #03-070-0, Louisiana Department of Environmental Quality Laboratory Certification (NELAP, LELAP) #02008, Louisiana Department of Health and Hospitals Drinking Water (NELAP) # LA030020, US Department of Energy Approved, State of Kansas Department of Health and Environment Waste Water and Solid/Hazardous Waste Cert. E-10365. The Accredited column designates accreditation by N -- NELAC, or z -- not covered under NELAC scope of accreditation.

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.
RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number.

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Results

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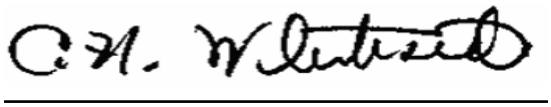

C. H. Whiteside, Ph.D., President

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Quality Control

Printed 02/17/2014

WATER

Account	Project
MCKB -A	641468

Report To

Kenneth Berry
Matrix Construction Products
PO Box 9394
3075 Book Road, Ste. 103
Naperville, IL 60567

554524 Liquid Aqueous **EPA 9014**

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide	554325	ND	0.00665	0.020	mg/L	114163461

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Cyanide	0.510	0.500	mg/L	102	90.0 - 110		114163460
Cyanide	0.493	0.500	mg/L	98.6	90.0 - 110		114163471
Cyanide	0.488	0.500	mg/L	97.6	90.0 - 110		114163472

Duplicate

Parameter	Sample	Type	Result	Unknown	Unit	RPD	Limit%
Cyanide	1273922	Duplicate	0.0113	ND	mg/L	0	20.0
Cyanide	1273977	Duplicate	ND	ND	mg/L		20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Cyanide	0.193	0.200	mg/L	96.5	90.0 - 110		114163459

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
Cyanide	554325	0.210	0.200	mg/L	105	90.0 - 110	114163462	

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide	554325	0.210	0.182	0.200	90.0 - 110	105	90.8	mg/L	14.3	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Cyanide	1273922	0.112	ND	0.100	mg/L	101	90.0 - 110	114163466
Cyanide	1273977	0.0388	ND	0.100	mg/L	38.8	90.0 - 110	114163469

554327 Liquid Aqueous **EPA 9070A**

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Oil and Grease (HEM)	554327	ND	0.804	4.00	mg/L	114159667

ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Oil and Grease (HEM)	554327	0.0000			grams	114159666
Oil and Grease (HEM)	554327	0.0000			grams	114159693

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
Oil and Grease (HEM)	554327	36.7	40.0	mg/L	91.8	78.0 - 114	114159668	

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Quality Control

LCS Dup

Parameter	PrepSet	LCS	LCSD		Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Oil and Grease (HEM)	554327	36.7	36.7		40.0	78.0 - 114	91.8	91.8	mg/L	0	20.0

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Oil and Grease (HEM)	1274115	37.3	0	6.02	40.0	78.0 - 114	78.2		mg/L		20.0
Oil and Grease (HEM)	1274118	51.7	0	33.4	40.0	78.0 - 114	45.8 *		mg/L		20.0
Oil and Grease (HEM)	1274651	43.3	0	ND	40.0	78.0 - 114	108		mg/L		20.0

554169 Liquid Aqueous — EPA 6020A

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units		File
Arsenic	554078	ND	0.000193	0.0005	mg/L		114156621
Barium	554078	0.00133	0.000574	0.005	mg/L	*	114156621
Beryllium	554078	ND	0.00006050	0.0005	mg/L		114156621
Cadmium	554078	ND	0.000209	0.0005	mg/L		114156621
Chromium	554078	0.00039	0.000282	0.0005	mg/L		114156621
Copper	554078	0.000975	0.000425	0.001	mg/L	*	114156621
Lead	554078	0.000234	0.000227	0.0005	mg/L		114156621
Nickel	554078	0.000304	0.000264	0.001	mg/L		114156621
Selenium	554078	ND	0.000728	0.001	mg/L		114156621
Silver	554078	0.000265	0.00006280	0.0005	mg/L	*	114156621
Thallium	554078	0.000272	0.000174	0.0005	mg/L		114156621
Zinc	554078	0.0026	0.00123	0.005	mg/L		114156621

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Arsenic	0.0502	0.05	mg/L	100	90.0 - 110		114156619
Arsenic	0.0502	0.05	mg/L	100	90.0 - 110		114156628
Barium	0.0503	0.05	mg/L	101	90.0 - 110		114156619
Barium	0.0504	0.05	mg/L	101	90.0 - 110		114156628
Beryllium	0.0502	0.05	mg/L	100	90.0 - 110		114156619
Beryllium	0.0454	0.05	mg/L	90.8	90.0 - 110		114156628
Cadmium	0.0502	0.05	mg/L	100	90.0 - 110		114156619
Cadmium	0.0508	0.05	mg/L	102	90.0 - 110		114156628
Chromium	0.0505	0.05	mg/L	101	90.0 - 110		114156619
Chromium	0.0494	0.05	mg/L	98.8	90.0 - 110		114156628
Copper	0.0506	0.05	mg/L	101	90.0 - 110		114156619
Copper	0.0499	0.05	mg/L	99.8	90.0 - 110		114156628
Lead	0.0495	0.05	mg/L	99.0	90.0 - 110		114156619
Lead	0.0486	0.05	mg/L	97.2	90.0 - 110		114156628
Nickel	0.0508	0.05	mg/L	102	90.0 - 110		114156619
Nickel	0.0496	0.05	mg/L	99.2	90.0 - 110		114156628
Selenium	0.0513	0.05	mg/L	103	90.0 - 110		114156619
Selenium	0.0508	0.05	mg/L	102	90.0 - 110		114156628
Silver	0.0501	0.05	mg/L	100	90.0 - 110		114156619
Silver	0.050	0.05	mg/L	100	90.0 - 110		114156628
Thallium	0.0496	0.05	mg/L	99.2	90.0 - 110		114156619
Thallium	0.0485	0.05	mg/L	97.0	90.0 - 110		114156628
Zinc	0.0511	0.05	mg/L	102	90.0 - 110		114156619
Zinc	0.0511	0.05	mg/L	102	90.0 - 110		114156628

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Quality Control

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Arsenic	0.051	0.05	mg/L	102	90.0 - 110		114156618
Barium	0.0514	0.05	mg/L	103	90.0 - 110		114156618
Beryllium	0.0507	0.05	mg/L	101	90.0 - 110		114156618
Cadmium	0.0505	0.05	mg/L	101	90.0 - 110		114156618
Chromium	0.0505	0.05	mg/L	101	90.0 - 110		114156618
Copper	0.0518	0.05	mg/L	104	90.0 - 110		114156618
Lead	0.0504	0.05	mg/L	101	90.0 - 110		114156618
Nickel	0.0511	0.05	mg/L	102	90.0 - 110		114156618
Selenium	0.0507	0.05	mg/L	101	90.0 - 110		114156618
Silver	0.0488	0.05	mg/L	97.6	90.0 - 110		114156618
Thallium	0.0513	0.05	mg/L	103	90.0 - 110		114156618
Zinc	0.052	0.05	mg/L	104	90.0 - 110		114156618

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
Arsenic	554078	0.529	0.500	mg/L	106	91.9 - 115	114156622	
Barium	554078	0.509	0.500	mg/L	102	88.1 - 110	114156622	
Beryllium	554078	0.187	0.200	mg/L	93.3	85.4 - 111	114156622	
Cadmium	554078	0.259	0.250	mg/L	104	92.6 - 111	114156622	
Chromium	554078	0.514	0.500	mg/L	103	89.2 - 112	114156622	
Copper	554078	0.496	0.500	mg/L	99.1	87.1 - 111	114156622	
Lead	554078	0.485	0.500	mg/L	96.9	87.6 - 113	114156622	
Nickel	554078	0.496	0.500	mg/L	99.1	86.0 - 108	114156622	
Selenium	554078	0.524	0.500	mg/L	105	91.2 - 114	114156622	
Silver	554078	0.102	0.100	mg/L	102	90.1 - 110	114156622	
Thallium	554078	0.473	0.500	mg/L	94.6	84.4 - 107	114156622	
Zinc	554078	0.502	0.500	mg/L	100	88.2 - 109	114156622	

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Arsenic	554078	0.529	0.530	0.500	91.9 - 115	106	106	mg/L	0.189	20.0
Barium	554078	0.509	0.510	0.500	88.1 - 110	102	102	mg/L	0.196	20.0
Beryllium	554078	0.187	0.190	0.200	85.4 - 111	93.3	95.2	mg/L	1.59	20.0
Cadmium	554078	0.259	0.260	0.250	92.6 - 111	104	104	mg/L	0.385	20.0
Chromium	554078	0.514	0.517	0.500	89.2 - 112	103	103	mg/L	0.582	20.0
Copper	554078	0.496	0.505	0.500	87.1 - 111	99.1	101	mg/L	1.80	20.0
Lead	554078	0.485	0.492	0.500	87.6 - 113	96.9	98.4	mg/L	1.43	20.0
Nickel	554078	0.496	0.500	0.500	86.0 - 108	99.1	100	mg/L	0.803	20.0
Selenium	554078	0.524	0.533	0.500	91.2 - 114	105	107	mg/L	1.70	20.0
Silver	554078	0.102	0.103	0.100	90.1 - 110	102	103	mg/L	0.976	20.0
Thallium	554078	0.473	0.485	0.500	84.4 - 107	94.6	97.0	mg/L	2.51	20.0
Zinc	554078	0.502	0.507	0.500	88.2 - 109	100	101	mg/L	0.991	20.0

LDR

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Arsenic	9.80	10	mg/L	98.0	90.0 - 110		114156620
Barium	9.37	10	mg/L	93.7	90.0 - 110		114156620
Beryllium	9.69	10	mg/L	96.9	90.0 - 110		114156620
Cadmium	9.55	10	mg/L	95.5	90.0 - 110		114156620
Chromium	9.54	10	mg/L	95.4	90.0 - 110		114156620
Copper	9.22	10	mg/L	92.2	90.0 - 110		114156620
Lead	9.21	10	mg/L	92.1	90.0 - 110		114156620

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Quality Control

LDR

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Nickel	9.22	10	mg/L	92.2	90.0 - 110		114156620
Selenium	10.0	10	mg/L	100	90.0 - 110		114156620
Silver	9.41	10	mg/L	94.1	90.0 - 110		114156620
Thallium	9.16	10	mg/L	91.6	90.0 - 110		114156620
Zinc	9.19	10	mg/L	91.9	90.0 - 110		114156620

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Arsenic	1274159	0.535	0	0.00143	0.500	97.9 - 114	107		mg/L		20.0
Barium	1274159	0.520	0	0.0179	0.500	91.7 - 109	100		mg/L		20.0
Beryllium	1274159	0.178	0	ND	0.200	84.8 - 113	89.0		mg/L		20.0
Cadmium	1274159	0.252	0	ND	0.250	90.9 - 110	101		mg/L		20.0
Chromium	1274159	0.509	0	ND	0.500	92.9 - 112	102		mg/L		20.0
Copper	1274159	0.484	0	0.00243	0.500	85.0 - 110	96.3		mg/L		20.0
Lead	1274159	0.467	0	ND	0.500	86.9 - 110	93.4		mg/L		20.0
Nickel	1274159	0.479	0	0.00185	0.500	86.3 - 107	95.4		mg/L		20.0
Selenium	1274159	0.522	0	0.00445	0.500	91.2 - 114	104		mg/L		20.0
Silver	1274159	0.098	0	ND	0.100	86.4 - 110	97.9		mg/L		20.0
Thallium	1274159	0.452	0	ND	0.500	80.8 - 109	90.4		mg/L		20.0
Zinc	1274159	0.477	0	ND	0.500	83.7 - 109	94.6		mg/L		20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Arsenic	1274159	0.535	0.531	0.00143	0.500	97.9 - 114	107	106	mg/L	0.939	20.0
Barium	1274159	0.520	0.519	0.0179	0.500	91.7 - 109	100	100	mg/L	0	20.0
Beryllium	1274159	0.178	0.177	ND	0.200	84.8 - 113	89.0	88.5	mg/L	0.563	20.0
Cadmium	1274159	0.252	0.251	ND	0.250	90.9 - 110	101	100	mg/L	0.995	20.0
Chromium	1274159	0.509	0.503	ND	0.500	92.9 - 112	102	101	mg/L	0.985	20.0
Copper	1274159	0.484	0.479	0.00243	0.500	85.0 - 110	96.3	95.3	mg/L	1.04	20.0
Lead	1274159	0.467	0.463	ND	0.500	86.9 - 110	93.4	92.6	mg/L	0.860	20.0
Nickel	1274159	0.479	0.473	0.00185	0.500	86.3 - 107	95.4	94.2	mg/L	1.27	20.0
Selenium	1274159	0.522	0.518	0.00445	0.500	91.2 - 114	104	103	mg/L	0.966	20.0
Silver	1274159	0.098	0.0972	ND	0.100	86.4 - 110	97.9	97.1	mg/L	0.821	20.0
Thallium	1274159	0.452	0.450	ND	0.500	80.8 - 109	90.4	90.0	mg/L	0.443	20.0
Zinc	1274159	0.477	0.474	ND	0.500	83.7 - 109	94.6	94.0	mg/L	0.636	20.0

554465 Liquid Aqueous — EPA 6020A

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units		File
Antimony	554414	0.00149	0.000399	0.001	mg/L	*	114162226

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Antimony	0.0516	0.05	mg/L	103	90.0 - 110		114162225
Antimony	0.0523	0.05	mg/L	105	90.0 - 110		114162232
Antimony	0.0516	0.05	mg/L	103	90.0 - 110		114162237
Antimony	0.051	0.05	mg/L	102	90.0 - 110		114162239

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Antimony	0.0514	0.05	mg/L	103	90.0 - 110		114162223

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LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
Antimony	554414	0.536	0.500	mg/L	107	85.9 - 112	114162227	

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Antimony	554414	0.536	0.538	0.500	85.9 - 112	107	108	mg/L	0.372	20.0

LDR

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Antimony	9.68	10	mg/L	96.8	90.0 - 110		114162224

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Antimony	1274592	0.516	0	0.00542	0.500	89.4 - 114	102		mg/L		20.0
Antimony	1274772	0.521	0	0.00263	0.500	89.4 - 114	104		mg/L		20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Antimony	1274592	0.516	0.510	0.00542	0.500	89.4 - 114	102	101	mg/L	0.985	20.0
Antimony	1274772	0.521	0.516	0.00263	0.500	89.4 - 114	104	103	mg/L	0.966	20.0

554557 Liquid Aqueous — EPA 7470A

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury	554461	ND	0.0684	0.100	ug/L	114164301

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Mercury	5.20	5.000	ug/L	104	90.0 - 110		114164297
Mercury	5.25	5.000	ug/L	105	90.0 - 110		114164307
Mercury	5.22	5.000	ug/L	104	90.0 - 110		114164311
Mercury	5.33	5.000	ug/L	107	90.0 - 110		114164317

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Mercury	19.5	20.00	ug/L	97.5	90.0 - 110		114164286

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Mercury	5.01	5.000	ug/L	100	90.0 - 110		114164285

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
Mercury	554461	4.91	5.00	ug/L	98.2	85.0 - 115	114164302	

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Mercury	554461	4.91	5.04	5.00	85.0 - 115	98.2	101	ug/L	2.61	20.0

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury	1273981	9.80	0	ND	10.0	70.0 - 130	98.0		ug/L		14.0
Mercury	1274556	10.0	0	ND	10.0	70.0 - 130	100		ug/L		14.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury	1273981	9.80	10.3	ND	10.0	70.0 - 130	98.0	103	ug/L	4.98	14.0
Mercury	1274556	10.0	10.1	ND	10.0	70.0 - 130	100	101	ug/L	0.995	14.0

554378 Liquid Aqueous **SW-846 8260B**

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	Out	File
BFB Mass 173	554378	174	0	0.0	0 - 2.00		114160821
BFB Mass 174	554378	95.0	1649	68.2	50.0 - 100		114160821
BFB Mass 175	554378	174	116	7.0	5.00 - 9.00		114160821
BFB Mass 176	554378	174	1617	98.1	95.0 - 101		114160821
BFB Mass 177	554378	176	100	6.2	5.00 - 9.00		114160821
BFB Mass 50	554378	95.0	482	19.9	15.0 - 40.0		114160821
BFB Mass 75	554378	95.0	1176	48.6	30.0 - 60.0		114160821
BFB Mass 95	554378	95.0	2418	100.0	100 - 100		114160821
BFB Mass 96	554378	95.0	170	7.0	5.00 - 9.00		114160821

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
1,1,1,2-Tetrachloroethane	554378	ND	0.227	1.00	ug/L	114160827
1,1,1-Trichloroethane	554378	ND	0.232	1.00	ug/L	114160827
1,1,2,2-Tetrachloroethane	554378	ND	0.217	1.00	ug/L	114160827
1,1,2-Trichloroethane	554378	ND	0.389	1.00	ug/L	114160827
1,1-Dichloroethane	554378	ND	0.259	1.00	ug/L	114160827
1,1-Dichloroethylene	554378	ND	0.388	1.00	ug/L	114160827
1,1-Dichloropropene	554378	ND	0.320	1.00	ug/L	114160827
1,2,3-Trichlorobenzene	554378	0.580	0.402	1.00	ug/L	114160827
1,2,3-Trichloropropane	554378	ND	0.206	1.00	ug/L	114160827
1,2,4-Trichlorobenzene	554378	0.500	0.304	1.00	ug/L	114160827
1,2,4-Trimethylbenzene	554378	ND	0.226	1.00	ug/L	114160827
1,2-Dibromo-3-chloropropane	554378	ND	1.08	1.08	ug/L	114160827
1,2-Dibromoethane	554378	ND	0.170	1.00	ug/L	114160827
1,2-Dichlorobenzene	554378	ND	0.186	1.00	ug/L	114160827
1,2-Dichloroethane	554378	ND	0.156	1.00	ug/L	114160827
1,2-Dichloropropane	554378	ND	0.267	1.00	ug/L	114160827
1,3,5-Trimethylbenzene	554378	ND	0.203	1.00	ug/L	114160827
1,3-Dichlorobenzene	554378	ND	0.166	1.00	ug/L	114160827
1,3-Dichloropropane	554378	ND	0.162	1.00	ug/L	114160827
1,4-Dichlorobenzene	554378	ND	0.299	1.00	ug/L	114160827
2,2-Dichloropropane	554378	ND	1.41	3.00	ug/L	114160827
2-Chloroethylvinyl ether	554378	ND	0.107	1.00	ug/L	114160827
2-Chlorotoluene	554378	ND	0.222	1.00	ug/L	114160827
4-Chlorotoluene	554378	ND	0.348	1.00	ug/L	114160827
Acetone	554378	ND	4.71	5.00	ug/L	114160827
Acrolein	554378	ND	0.883	1.00	ug/L	114160827
Acrylonitrile	554378	ND	0.697	1.00	ug/L	114160827
Benzene	554378	ND	0.186	1.00	ug/L	114160827
Bromobenzene	554378	ND	0.264	1.00	ug/L	114160827
Bromochloromethane	554378	ND	0.456	1.00	ug/L	114160827
Bromodichloromethane	554378	ND	0.186	1.00	ug/L	114160827
Bromoform	554378	ND	0.549	1.00	ug/L	114160827

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
Bromomethane (Methyl Bromi	554378	ND	0.338	1.00	ug/L	114160827
Carbon Tetrachloride	554378	ND	0.285	1.00	ug/L	114160827
Chlorobenzene	554378	ND	0.120	1.00	ug/L	114160827
Chloroethane	554378	ND	0.370	1.00	ug/L	114160827
Chloroform	554378	ND	0.294	1.00	ug/L	114160827
Chloromethane	554378	ND	0.304	1.00	ug/L	114160827
cis-1,2-Dichloroethene	554378	ND	0.266	1.00	ug/L	114160827
cis-1,3-Dichloropropene	554378	ND	0.0689	1.00	ug/L	114160827
Dibromochloromethane	554378	ND	0.119	1.00	ug/L	114160827
Dibromomethane	554378	ND	0.238	1.00	ug/L	114160827
Dichlorodifluoromethane	554378	ND	0.223	1.00	ug/L	114160827
Ethylbenzene	554378	ND	0.243	1.00	ug/L	114160827
Hexachlorobutadiene	554378	ND	2.67	2.67	ug/L	114160827
Isopropylbenzene (Cumene)	554378	ND	0.215	1.00	ug/L	114160827
m- and p-Xylene	554378	ND	0.532	1.00	ug/L	114160827
Methyl ethyl ketone (Butanone)	554378	ND	2.00	2.00	ug/L	114160827
Methyl Isobutyl Ketone	554378	ND	0.255	1.00	ug/L	114160827
Methylene chloride	554378	ND	0.231	1.00	ug/L	114160827
Naphthalene	554378	0.380	0.260	2.00	ug/L	114160827
n-Butylbenzene	554378	0.560	0.222	1.00	ug/L	114160827
n-Propylbenzene	554378	0.260	0.222	1.00	ug/L	114160827
o-Xylene	554378	ND	0.192	1.00	ug/L	114160827
p-Isopropyltoluene	554378	0.460	0.188	1.00	ug/L	114160827
sec-Butylbenzene	554378	0.470	0.230	1.00	ug/L	114160827
Styrene	554378	ND	0.154	1.00	ug/L	114160827
tert-Butylbenzene	554378	0.340	0.156	1.00	ug/L	114160827
tert-Butylmethylether (MTBE)	554378	ND	0.447	1.00	ug/L	114160827
Tetrachloroethylene	554378	ND	0.324	1.00	ug/L	114160827
Toluene	554378	ND	0.182	1.00	ug/L	114160827
trans-1,2-Dichloroethene	554378	ND	0.256	1.00	ug/L	114160827
trans-1,3-Dichloropropene	554378	ND	0.0877	1.00	ug/L	114160827
Trichloroethylene	554378	ND	0.241	1.00	ug/L	114160827
Trichlorofluoromethane	554378	ND	0.406	1.00	ug/L	114160827
Vinyl chloride	554378	ND	0.926	1.00	ug/L	114160827

CCC

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
1,1-Dichloroethylene	23.1	20.00	ug/L	116	80.0 - 120		114160822
1,2-Dichloropropane	23.5	20.00	ug/L	118	80.0 - 120		114160822
Chloroform	23.5	20.00	ug/L	118	80.0 - 120		114160822
Ethylbenzene	23.0	20.00	ug/L	115	80.0 - 120		114160822
Toluene	23.4	20.00	ug/L	117	80.0 - 120		114160822
Vinyl chloride	20.3	20.00	ug/L	102	80.0 - 120		114160822

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
1,1,1,2-Tetrachloroethane	22.2	20.0	ug/L	111	80.0 - 120		114160822
1,1,1-Trichloroethane	23.0	20.0	ug/L	115	80.0 - 120		114160822
1,1,2,2-Tetrachloroethane	21.8	20.0	ug/L	109	80.0 - 120		114160822

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Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
1,1,2-Trichloroethane	23.5	20.0	ug/L	118	80.0 - 120		114160822
1,1-Dichloroethane	24.0	20.0	ug/L	120	80.0 - 120		114160822
1,1-Dichloroethylene	23.1	20.0	ug/L	116	80.0 - 120		114160822
1,1-Dichloropropene	23.6	20.0	ug/L	118	80.0 - 120		114160822
1,2,3-Trichlorobenzene	20.8	20.0	ug/L	104	80.0 - 120		114160822
1,2,3-Trichloropropane	22.9	20.0	ug/L	114	80.0 - 120		114160822
1,2,4-Trichlorobenzene	21.7	20.0	ug/L	108	80.0 - 120		114160822
1,2,4-Trimethylbenzene	22.7	20.0	ug/L	114	80.0 - 120		114160822
1,2-Dibromo-3-chloropropane	22.6	20.0	ug/L	113	80.0 - 120		114160822
1,2-Dibromoethane	22.6	20.0	ug/L	113	80.0 - 120		114160822
1,2-Dichlorobenzene	22.3	20.0	ug/L	112	80.0 - 120		114160822
1,2-Dichloroethane	23.5	20.0	ug/L	118	80.0 - 120		114160822
1,2-Dichloropropane	23.5	20.0	ug/L	118	80.0 - 120		114160822
1,3,5-Trimethylbenzene	22.6	20.0	ug/L	113	80.0 - 120		114160822
1,3-Dichlorobenzene	22.5	20.0	ug/L	112	80.0 - 120		114160822
1,3-Dichloropropane	23.2	20.0	ug/L	116	80.0 - 120		114160822
1,4-Dichlorobenzene	22.4	20.0	ug/L	112	80.0 - 120		114160822
2,2-Dichloropropane	21.0	20.0	ug/L	105	80.0 - 120		114160822
2-Chloroethylvinyl ether	24.0	20.0	ug/L	120	80.0 - 120		114160822
2-Chlorotoluene	22.3	20.0	ug/L	112	80.0 - 120		114160822
4-Chlorotoluene	22.9	20.0	ug/L	114	80.0 - 120		114160822
Acetone	27.5	20.0	ug/L	138	80.0 - 120	*	114160822
Acrolein	47.8	40.0	ug/L	120	80.0 - 120		114160822
Acrylonitrile	40.5	40.0	ug/L	101	80.0 - 120		114160822
Benzene	23.4	20.0	ug/L	117	80.0 - 120		114160822
Bromobenzene	22.1	20.0	ug/L	110	80.0 - 120		114160822
Bromochloromethane	24.4	20.0	ug/L	122	80.0 - 120	*	114160822
Bromodichloromethane	23.0	20.0	ug/L	115	80.0 - 120		114160822
Bromoform	23.3	20.0	ug/L	116	80.0 - 120		114160822
Bromomethane (Methyl Bromi	21.8	20.0	ug/L	109	80.0 - 120		114160822
Carbon Tetrachloride	22.9	20.0	ug/L	114	80.0 - 120		114160822
Chlorobenzene	23.1	20.0	ug/L	116	80.0 - 120		114160822
Chloroethane	23.5	20.0	ug/L	118	80.0 - 120		114160822
Chloroform	23.5	20.0	ug/L	118	80.0 - 120		114160822
Chloromethane	22.2	20.0	ug/L	111	80.0 - 120		114160822
cis-1,2-Dichloroethene	23.3	20.0	ug/L	116	80.0 - 120		114160822
cis-1,3-Dichloropropene	23.4	20.0	ug/L	117	80.0 - 120		114160822
Dibromochloromethane	23.2	20.0	ug/L	116	80.0 - 120		114160822
Dibromomethane	23.6	20.0	ug/L	118	80.0 - 120		114160822
Dichlorodifluoromethane	20.7	20.0	ug/L	104	80.0 - 120		114160822
Ethylbenzene	23.0	20.0	ug/L	115	80.0 - 120		114160822
Hexachlorobutadiene	20.4	20.0	ug/L	102	80.0 - 120		114160822
Isopropylbenzene (Cumene)	22.6	20.0	ug/L	113	80.0 - 120		114160822
m- and p-Xylene	47.0	40.0	ug/L	118	80.0 - 120		114160822
Methyl ethyl ketone (Butanone)	26.4	20.0	ug/L	132	80.0 - 120	*	114160822
Methyl Isobutyl Ketone	24.0	20.0	ug/L	120	80.0 - 120		114160822
Methylene chloride	23.8	20.0	ug/L	119	80.0 - 120		114160822
Naphthalene	21.7	20.0	ug/L	108	80.0 - 120		114160822

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Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
n-Butylbenzene	21.3	20.0	ug/L	106	80.0 - 120		114160822
n-Propylbenzene	22.4	20.0	ug/L	112	80.0 - 120		114160822
o-Xylene	23.1	20.0	ug/L	116	80.0 - 120		114160822
p-Isopropyltoluene	21.9	20.0	ug/L	110	80.0 - 120		114160822
sec-Butylbenzene	21.9	20.0	ug/L	110	80.0 - 120		114160822
Styrene	22.7	20.0	ug/L	114	80.0 - 120		114160822
tert-Butylbenzene	22.0	20.0	ug/L	110	80.0 - 120		114160822
tert-Butylmethylether (MTBE)	23.8	20.0	ug/L	119	80.0 - 120		114160822
Tetrachloroethylene	23.4	20.0	ug/L	117	80.0 - 120		114160822
Toluene	23.4	20.0	ug/L	117	80.0 - 120		114160822
trans-1,2-Dichloroethene	23.1	20.0	ug/L	116	80.0 - 120		114160822
trans-1,3-Dichloropropene	23.3	20.0	ug/L	116	80.0 - 120		114160822
Trichloroethylene	22.1	20.0	ug/L	110	80.0 - 120		114160822
Trichlorofluoromethane	22.8	20.0	ug/L	114	80.0 - 120		114160822
Vinyl chloride	20.3	20.0	ug/L	102	80.0 - 120		114160822

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	Out	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	554378	CCV	23560	23560	11780	35340		114160822	554378
1,4-DichlorobenzeneD4 (ISTD)	554378	LCS	22730	23560	11780	35340		114160823	554378
1,4-DichlorobenzeneD4 (ISTD)	554378	LCS Dup	22300	23560	11780	35340		114160824	554378
1,4-DichlorobenzeneD4 (ISTD)	554378	LCS	21400	23560	11780	35340		114160825	554378
1,4-DichlorobenzeneD4 (ISTD)	554378	LCS Dup	21290	23560	11780	35340		114160826	554378
1,4-DichlorobenzeneD4 (ISTD)	554378	Blank	20470	23560	11780	35340		114160827	554378
ChlorobenzeneD5 (ISTD)	554378	CCV	59600	59600	29800	89400		114160822	554378
ChlorobenzeneD5 (ISTD)	554378	LCS	58230	59600	29800	89400		114160823	554378
ChlorobenzeneD5 (ISTD)	554378	LCS Dup	57280	59600	29800	89400		114160824	554378
ChlorobenzeneD5 (ISTD)	554378	LCS	57960	59600	29800	89400		114160825	554378
ChlorobenzeneD5 (ISTD)	554378	LCS Dup	56570	59600	29800	89400		114160826	554378
ChlorobenzeneD5 (ISTD)	554378	Blank	53940	59600	29800	89400		114160827	554378
1,4-DichlorobenzeneD4 (ISTD)	1274066	UNKNOWN	18620	23560	11780	35340		114160832	1274066
ChlorobenzeneD5 (ISTD)	1274066	UNKNOWN	49400	59600	29800	89400		114160832	1274066

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	Out	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	554378	CCV	14.66	14.66	14.60	14.72		114160822	554378
1,4-DichlorobenzeneD4 (ISTD)	554378	LCS	14.67	14.66	14.60	14.72		114160823	554378
1,4-DichlorobenzeneD4 (ISTD)	554378	LCS Dup	14.67	14.66	14.60	14.72		114160824	554378
1,4-DichlorobenzeneD4 (ISTD)	554378	LCS	14.66	14.66	14.60	14.72		114160825	554378
1,4-DichlorobenzeneD4 (ISTD)	554378	LCS Dup	14.67	14.66	14.60	14.72		114160826	554378
1,4-DichlorobenzeneD4 (ISTD)	554378	Blank	14.66	14.66	14.60	14.72		114160827	554378
ChlorobenzeneD5 (ISTD)	554378	CCV	10.96	10.96	10.90	11.02		114160822	554378

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IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	Out	File	PrepSet
ChlorobenzeneD5 (ISTD)	554378	LCS	10.97	10.96	10.90	11.02		114160823	554378
ChlorobenzeneD5 (ISTD)	554378	LCS Dup	10.97	10.96	10.90	11.02		114160824	554378
ChlorobenzeneD5 (ISTD)	554378	LCS	10.97	10.96	10.90	11.02		114160825	554378
ChlorobenzeneD5 (ISTD)	554378	LCS Dup	10.97	10.96	10.90	11.02		114160826	554378
ChlorobenzeneD5 (ISTD)	554378	Blank	10.98	10.96	10.90	11.02		114160827	554378
1,4-DichlorobenzeneD4 (ISTD)	1274066	UNKNOWN	14.66	14.66	14.60	14.72		114160832	1274066
ChlorobenzeneD5 (ISTD)	1274066	UNKNOWN	10.97	10.96	10.90	11.02		114160832	1274066

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
1,1,1,2-Tetrachloroethane	554378	23.1	20.0	ug/L	115	71.7 - 128	114160823	
1,1,1-Trichloroethane	554378	22.6	20.0	ug/L	113	69.1 - 132	114160823	
1,1,2,2-Tetrachloroethane	554378	22.7	20.0	ug/L	113	61.4 - 137	114160823	
1,1,2-Trichloroethane	554378	23.0	20.0	ug/L	115	73.4 - 123	114160823	
1,1-Dichloroethane	554378	22.9	20.0	ug/L	114	78.9 - 128	114160823	
1,1-Dichloroethylene	554378	21.8	20.0	ug/L	109	75.8 - 131	114160823	
1,1-Dichloropropene	554378	21.6	20.0	ug/L	108	75.6 - 121	114160823	
1,2,3-Trichlorobenzene	554378	21.8	20.0	ug/L	109	65.9 - 139	114160823	
1,2,3-Trichloropropane	554378	23.1	20.0	ug/L	116	66.8 - 140	114160823	
1,2,4-Trichlorobenzene	554378	21.9	20.0	ug/L	109	68.2 - 133	114160823	
1,2,4-Trimethylbenzene	554378	22.2	20.0	ug/L	111	75.6 - 123	114160823	
1,2-Dibromo-3-chloropropane	554378	23.8	20.0	ug/L	119	47.6 - 154	114160823	
1,2-Dibromoethane	554378	23.3	20.0	ug/L	116	72.9 - 127	114160823	
1,2-Dichlorobenzene	554378	24.6	20.0	ug/L	123	78.9 - 133	114160823	
1,2-Dichloroethane	554378	23.2	20.0	ug/L	116	66.4 - 130	114160823	
1,2-Dichloropropane	554378	23.0	20.0	ug/L	115	74.3 - 120	114160823	
1,3,5-Trimethylbenzene	554378	22.5	20.0	ug/L	113	77.2 - 124	114160823	
1,3-Dichlorobenzene	554378	24.2	20.0	ug/L	121	81.8 - 133	114160823	
1,3-Dichloropropane	554378	22.6	20.0	ug/L	113	76.5 - 119	114160823	
1,4-Dichlorobenzene	554378	22.4	20.0	ug/L	112	77.6 - 124	114160823	
2,2-Dichloropropane	554378	23.8	20.0	ug/L	119	51.8 - 157	114160823	
2-Chloroethylvinyl ether	554378	21.8	20.0	ug/L	109	6.72 - 146	114160823	
2-Chlorotoluene	554378	23.8	20.0	ug/L	119	80.0 - 130	114160823	
4-Chlorotoluene	554378	24.2	20.0	ug/L	121	79.4 - 133	114160823	
Acetone	554378	20.9	20.0	ug/L	104	22.1 - 210	114160825	
Acrolein	554378	65.5	40.0	ug/L	164	0.100 - 177	114160823	
Acrylonitrile	554378	50.9	40.0	ug/L	127	60.2 - 138	114160823	
Benzene	554378	22.5	20.0	ug/L	112	68.2 - 131	114160823	
Bromobenzene	554378	22.2	20.0	ug/L	111	77.5 - 126	114160823	
Bromochloromethane	554378	24.0	20.0	ug/L	120	81.1 - 128	114160823	
Bromodichloromethane	554378	22.6	20.0	ug/L	113	71.8 - 125	114160823	
Bromoform	554378	22.5	20.0	ug/L	113	55.3 - 133	114160823	
Bromomethane (Methyl Bromi	554378	23.2	20.0	ug/L	116	50.0 - 139	114160823	
Carbon Tetrachloride	554378	22.0	20.0	ug/L	110	66.8 - 131	114160823	
Chlorobenzene	554378	23.4	20.0	ug/L	117	83.5 - 126	114160823	
Chloroethane	554378	22.7	20.0	ug/L	113	61.8 - 129	114160823	
Chloroform	554378	22.8	20.0	ug/L	114	68.9 - 130	114160823	
Chloromethane	554378	18.0	20.0	ug/L	90.2	47.9 - 132	114160823	
cis-1,2-Dichloroethene	554378	21.8	20.0	ug/L	109	75.8 - 121	114160823	

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LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
cis-1,3-Dichloropropene	554378	21.0	20.0	ug/L	105	59.4 - 119	114160823	
Dibromochloromethane	554378	22.1	20.0	ug/L	110	63.2 - 128	114160823	
Dibromomethane	554378	23.3	20.0	ug/L	117	79.8 - 123	114160823	
Dichlorodifluoromethane	554378	14.4	20.0	ug/L	71.9	22.6 - 136	114160823	
Ethylbenzene	554378	22.9	20.0	ug/L	114	69.8 - 129	114160823	
Hexachlorobutadiene	554378	20.8	20.0	ug/L	104	69.4 - 132	114160823	
Isopropylbenzene (Cumene)	554378	22.6	20.0	ug/L	113	80.2 - 130	114160823	
m- and p-Xylene	554378	46.6	40.0	ug/L	116	74.3 - 132	114160823	
Methyl ethyl ketone (Butanone)	554378	19.1	20.0	ug/L	95.6	44.6 - 155	114160825	
Methyl Isobutyl Ketone	554378	22.6	20.0	ug/L	113	51.7 - 136	114160823	
Methylene chloride	554378	22.2	20.0	ug/L	111	69.7 - 125	114160823	
Naphthalene	554378	22.4	20.0	ug/L	112	61.1 - 140	114160823	
n-Butylbenzene	554378	22.3	20.0	ug/L	112	75.7 - 128	114160823	
n-Propylbenzene	554378	24.6	20.0	ug/L	123	79.7 - 137	114160823	
o-Xylene	554378	24.0	20.0	ug/L	120	80.0 - 135	114160823	
p-Isopropyltoluene	554378	23.8	20.0	ug/L	119	79.6 - 131	114160823	
sec-Butylbenzene	554378	23.6	20.0	ug/L	118	77.0 - 132	114160823	
Styrene	554378	21.7	20.0	ug/L	109	74.5 - 118	114160823	
tert-Butylbenzene	554378	23.5	20.0	ug/L	118	78.5 - 132	114160823	
tert-Butylmethylether (MTBE)	554378	22.0	20.0	ug/L	110	57.6 - 137	114160823	
Tetrachloroethylene	554378	25.1	20.0	ug/L	125	73.8 - 135	114160823	
Toluene	554378	22.7	20.0	ug/L	113	73.1 - 126	114160823	
trans-1,2-Dichloroethene	554378	22.1	20.0	ug/L	111	76.7 - 123	114160823	
trans-1,3-Dichloropropene	554378	23.2	20.0	ug/L	116	58.1 - 141	114160823	
Trichloroethylene	554378	22.1	20.0	ug/L	110	75.6 - 117	114160823	
Trichlorofluoromethane	554378	16.4	20.0	ug/L	82.2	47.0 - 122	114160823	
Vinyl chloride	554378	17.1	20.0	ug/L	85.3	45.7 - 122	114160823	

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,1,1,2-Tetrachloroethane	554378	23.1	22.2	20.0	71.7 - 128	115	111	ug/L	3.54	30.0
1,1,1-Trichloroethane	554378	22.6	22.0	20.0	69.1 - 132	113	110	ug/L	2.69	30.0
1,1,2,2-Tetrachloroethane	554378	22.7	22.5	20.0	61.4 - 137	113	112	ug/L	0.889	30.0
1,1,2-Trichloroethane	554378	23.0	23.3	20.0	73.4 - 123	115	116	ug/L	0.866	30.0
1,1-Dichloroethane	554378	22.9	23.1	20.0	78.9 - 128	114	116	ug/L	1.74	30.0
1,1-Dichloroethylene	554378	21.8	21.8	20.0	75.8 - 131	109	109	ug/L	0	30.0
1,1-Dichloropropene	554378	21.6	21.6	20.0	75.6 - 121	108	108	ug/L	0	30.0
1,2,3-Trichlorobenzene	554378	21.8	22.7	20.0	65.9 - 139	109	113	ug/L	3.60	30.0
1,2,3-Trichloropropane	554378	23.1	23.5	20.0	66.8 - 140	116	118	ug/L	1.71	30.0
1,2,4-Trichlorobenzene	554378	21.9	21.8	20.0	68.2 - 133	109	109	ug/L	0	30.0
1,2,4-Trimethylbenzene	554378	22.2	22.1	20.0	75.6 - 123	111	111	ug/L	0	30.0
1,2-Dibromo-3-chloropropane	554378	23.8	25.2	20.0	47.6 - 154	119	126	ug/L	5.71	30.0
1,2-Dibromoethane	554378	23.3	22.9	20.0	72.9 - 127	116	115	ug/L	0.866	30.0
1,2-Dichlorobenzene	554378	24.6	25.0	20.0	78.9 - 133	123	125	ug/L	1.61	30.0
1,2-Dichloroethane	554378	23.2	22.9	20.0	66.4 - 130	116	114	ug/L	1.74	30.0
1,2-Dichloropropane	554378	23.0	22.4	20.0	74.3 - 120	115	112	ug/L	2.64	30.0
1,3,5-Trimethylbenzene	554378	22.5	22.4	20.0	77.2 - 124	113	112	ug/L	0.889	30.0
1,3-Dichlorobenzene	554378	24.2	24.1	20.0	81.8 - 133	121	120	ug/L	0.830	30.0
1,3-Dichloropropane	554378	22.6	22.8	20.0	76.5 - 119	113	114	ug/L	0.881	30.0

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,4-Dichlorobenzene	554378	22.4	23.6	20.0	77.6 - 124	112	118	ug/L	5.22	30.0
2,2-Dichloropropane	554378	23.8	23.1	20.0	51.8 - 157	119	116	ug/L	2.55	30.0
2-Chloroethylvinyl ether	554378	21.8	21.0	20.0	6.72 - 146	109	105	ug/L	3.74	30.0
2-Chlorotoluene	554378	23.8	23.7	20.0	80.0 - 130	119	118	ug/L	0.844	30.0
4-Chlorotoluene	554378	24.2	24.7	20.0	79.4 - 133	121	124	ug/L	2.45	30.0
Acetone	554378	20.9	22.0	20.0	22.1 - 210	104	110	ug/L	5.61	30.0
Acrolein	554378	65.5	65.1	40.0	0.100 - 177	164	163	ug/L	0.612	30.0
Acrylonitrile	554378	50.9	48.7	40.0	60.2 - 138	127	122	ug/L	4.02	30.0
Benzene	554378	22.5	22.4	20.0	68.2 - 131	112	112	ug/L	0	30.0
Bromobenzene	554378	22.2	22.9	20.0	77.5 - 126	111	115	ug/L	3.54	30.0
Bromochloromethane	554378	24.0	24.1	20.0	81.1 - 128	120	120	ug/L	0	30.0
Bromodichloromethane	554378	22.6	22.7	20.0	71.8 - 125	113	113	ug/L	0	30.0
Bromoform	554378	22.5	23.9	20.0	55.3 - 133	113	120	ug/L	6.01	30.0
Bromomethane (Methyl Bromi	554378	23.2	22.9	20.0	50.0 - 139	116	115	ug/L	0.866	30.0
Carbon Tetrachloride	554378	22.0	22.3	20.0	66.8 - 131	110	112	ug/L	1.80	30.0
Chlorobenzene	554378	23.4	23.7	20.0	83.5 - 126	117	119	ug/L	1.69	30.0
Chloroethane	554378	22.7	22.1	20.0	61.8 - 129	113	111	ug/L	1.79	30.0
Chloroform	554378	22.8	22.4	20.0	68.9 - 130	114	112	ug/L	1.77	30.0
Chloromethane	554378	18.0	17.9	20.0	47.9 - 132	90.2	89.7	ug/L	0.556	30.0
cis-1,2-Dichloroethene	554378	21.8	22.0	20.0	75.8 - 121	109	110	ug/L	0.913	30.0
cis-1,3-Dichloropropene	554378	21.0	21.1	20.0	59.4 - 119	105	106	ug/L	0.948	30.0
Dibromochloromethane	554378	22.1	22.1	20.0	63.2 - 128	110	110	ug/L	0	30.0
Dibromomethane	554378	23.3	23.9	20.0	79.8 - 123	117	119	ug/L	1.69	30.0
Dichlorodifluoromethane	554378	14.4	13.5	20.0	22.6 - 136	71.9	67.6	ug/L	6.16	30.0
Ethylbenzene	554378	22.9	22.8	20.0	69.8 - 129	114	114	ug/L	0	30.0
Hexachlorobutadiene	554378	20.8	22.6	20.0	69.4 - 132	104	113	ug/L	8.29	30.0
Isopropylbenzene (Cumene)	554378	22.6	23.1	20.0	80.2 - 130	113	116	ug/L	2.62	30.0
m- and p-Xylene	554378	46.6	47.3	40.0	74.3 - 132	116	118	ug/L	1.71	30.0
Methyl ethyl ketone (Butanone)	554378	19.1	21.0	20.0	44.6 - 155	95.6	105	ug/L	9.37	30.0
Methyl Isobutyl Ketone	554378	22.6	21.5	20.0	51.7 - 136	113	108	ug/L	4.52	30.0
Methylene chloride	554378	22.2	21.6	20.0	69.7 - 125	111	108	ug/L	2.74	30.0
Naphthalene	554378	22.4	23.0	20.0	61.1 - 140	112	115	ug/L	2.64	30.0
n-Butylbenzene	554378	22.3	22.0	20.0	75.7 - 128	112	110	ug/L	1.80	30.0
n-Propylbenzene	554378	24.6	25.2	20.0	79.7 - 137	123	126	ug/L	2.41	30.0
o-Xylene	554378	24.0	24.6	20.0	80.0 - 135	120	123	ug/L	2.47	30.0
p-Isopropyltoluene	554378	23.8	23.1	20.0	79.6 - 131	119	115	ug/L	3.42	30.0
sec-Butylbenzene	554378	23.6	23.5	20.0	77.0 - 132	118	118	ug/L	0	30.0
Styrene	554378	21.7	21.7	20.0	74.5 - 118	109	109	ug/L	0	30.0
tert-Butylbenzene	554378	23.5	23.5	20.0	78.5 - 132	118	117	ug/L	0.851	30.0
tert-Butylmethylether (MTBE)	554378	22.0	21.4	20.0	57.6 - 137	110	107	ug/L	2.76	30.0
Tetrachloroethylene	554378	25.1	26.2	20.0	73.8 - 135	125	131	ug/L	4.69	30.0
Toluene	554378	22.7	22.6	20.0	73.1 - 126	113	113	ug/L	0	30.0
trans-1,2-Dichloroethene	554378	22.1	21.3	20.0	76.7 - 123	111	106	ug/L	4.61	30.0
trans-1,3-Dichloropropene	554378	23.2	23.1	20.0	58.1 - 141	116	116	ug/L	0	30.0
Trichloroethylene	554378	22.1	21.6	20.0	75.6 - 117	110	108	ug/L	1.83	30.0
Trichlorofluoromethane	554378	16.4	16.6	20.0	47.0 - 122	82.2	82.8	ug/L	0.727	30.0
Vinyl chloride	554378	17.1	16.3	20.0	45.7 - 122	85.3	81.4	ug/L	4.68	30.0

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SPCC

Parameter	Sample	RF	Minimum	File
1,1,2,2-Tetrachloroethane	554378	21.8	0.300	114160822
1,1-Dichloroethane	554378	24.0	0.100	114160822
Bromoform	554378	23.3	0.100	114160822
Chlorobenzene	554378	23.1	0.300	114160822
Chloromethane	554378	22.2	0.100	114160822

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	554378	CCV	20.0	20.0	ug/L	100	61.7 - 132	114160822
1,2-DCA-d4 (SURR)	554378	LCS	20.3	20.0	ug/L	102	61.7 - 132	114160823
1,2-DCA-d4 (SURR)	554378	LCS Dup	20.2	20.0	ug/L	101	61.7 - 132	114160824
1,2-DCA-d4 (SURR)	554378	LCS	20.1	20.0	ug/L	100	61.7 - 132	114160825
1,2-DCA-d4 (SURR)	554378	LCS Dup	20.5	20.0	ug/L	102	61.7 - 132	114160826
1,2-DCA-d4 (SURR)	554378	Blank	20.5	20.0	ug/L	102	61.7 - 132	114160827
Bromofluorobenzene (SURR)	554378	CCV	19.4	20.0	ug/L	97.0	70.5 - 138	114160822
Bromofluorobenzene (SURR)	554378	LCS	19.9	20.0	ug/L	99.5	70.5 - 138	114160823
Bromofluorobenzene (SURR)	554378	LCS Dup	20.7	20.0	ug/L	104	70.5 - 138	114160824
Bromofluorobenzene (SURR)	554378	LCS	20.2	20.0	ug/L	101	70.5 - 138	114160825
Bromofluorobenzene (SURR)	554378	LCS Dup	20.1	20.0	ug/L	100	70.5 - 138	114160826
Bromofluorobenzene (SURR)	554378	Blank	19.7	20.0	ug/L	98.5	70.5 - 138	114160827
Dibromofluoromethane (SURR)	554378	CCV	20.7	20.0	ug/L	104	69.8 - 128	114160822
Dibromofluoromethane (SURR)	554378	LCS	20.5	20.0	ug/L	102	69.8 - 128	114160823
Dibromofluoromethane (SURR)	554378	LCS Dup	21.0	20.0	ug/L	105	69.8 - 128	114160824
Dibromofluoromethane (SURR)	554378	LCS	20.0	20.0	ug/L	100	69.8 - 128	114160825
Dibromofluoromethane (SURR)	554378	LCS Dup	20.1	20.0	ug/L	100	69.8 - 128	114160826
Dibromofluoromethane (SURR)	554378	Blank	20.3	20.0	ug/L	102	69.8 - 128	114160827
ToluneD8 (SURR)	554378	CCV	20.4	20.0	ug/L	102	80.5 - 122	114160822
ToluneD8 (SURR)	554378	LCS	20.4	20.0	ug/L	102	80.5 - 122	114160823
ToluneD8 (SURR)	554378	LCS Dup	20.4	20.0	ug/L	102	80.5 - 122	114160824
ToluneD8 (SURR)	554378	LCS	19.4	20.0	ug/L	97.0	80.5 - 122	114160825
ToluneD8 (SURR)	554378	LCS Dup	20.2	20.0	ug/L	101	80.5 - 122	114160826
ToluneD8 (SURR)	554378	Blank	19.8	20.0	ug/L	99.0	80.5 - 122	114160827
1,2-DCA-d4 (SURR)	1274066	UNKNOWN	20.8	20.0	ug/L	104	61.7 - 132	114160832
Bromofluorobenzene (SURR)	1274066	UNKNOWN	20.5	20.0	ug/L	102	70.5 - 138	114160832
Dibromofluoromethane (SURR)	1274066	UNKNOWN	20.3	20.0	ug/L	102	69.8 - 128	114160832
ToluneD8 (SURR)	1274066	UNKNOWN	19.7	20.0	ug/L	98.5	80.5 - 122	114160832

554438 Liquid Aqueous **EPA 8151A**

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File

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Quality Control

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
2,4 Dichlorophenoxyacetic acid	554111	ND	0.159	0.500	ug/L	114161690
2,4,5-TP (Silvex)	554111	ND	0.0893	0.500	ug/L	114161690

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
2,4 Dichlorophenoxyacetic acid	163	150	ug/L	109	75.0 - 125		114161689
2,4 Dichlorophenoxyacetic acid	169	150	ug/L	113	75.0 - 125		114161696
2,4,5-TP (Silvex)	161	150	ug/L	107	75.0 - 125		114161689
2,4,5-TP (Silvex)	169	150	ug/L	113	75.0 - 125		114161696

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
2,4 Dichlorophenoxyacetic acid	554111	0.0927	0.200	ug/L	46.4	0.100 - 271	114161691	
2,4,5-TP (Silvex)	554111	0.0775	0.200	ug/L	38.7	0.100 - 250	114161691	

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
2,4 Dichlorophenoxyacetic acid	554111	0.0927	0.164	0.200	0.100 - 271	46.4	81.8	ug/L	55.2 *	30.0
2,4,5-TP (Silvex)	554111	0.0775	0.144	0.200	0.100 - 250	38.7	72.0	ug/L	60.2 *	30.0

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
2,4 Dichlorophenoxyacetic acid	1274066	64200000	0	ND	83200000	0.100 - 326	77.2		ug/L		30.0
2,4,5-TP (Silvex)	1274066	57300000	0	ND	83200000	0.100 - 257	68.9		ug/L		30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
2,4 Dichlorophenoxyacetic acid	1274066	64200000	67600000	ND	83200000	0.100 - 326	77.2	81.2	ug/L	5.05	30.0
2,4,5-TP (Silvex)	1274066	57300000	59800000	ND	83200000	0.100 - 257	68.9	71.9	ug/L	4.26	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4-Dichlorophenylacetic Acid	554111	Blank	19.3	10.0	ug/L	193 *	20.0 - 130	114161690
2,4-Dichlorophenylacetic Acid	554111	LCS	12.9	10.0	ug/L	129	20.0 - 130	114161691
2,4-Dichlorophenylacetic Acid	554111	LCS Dup	21.2	10.0	ug/L	212 *	20.0 - 130	114161692
2,4-Dichlorophenylacetic Acid	1274066	UNKNOWN	86100000	41600000	ug/L	207 *	20.0 - 130	114161693
2,4-Dichlorophenylacetic Acid	1274066	MS	91100000	41600000	ug/L	219 *	20.0 - 130	114161694
2,4-Dichlorophenylacetic Acid	1274066	MSD	97300000	41600000	ug/L	234 *	20.0 - 130	114161695

554494 Liquid Aqueous — EPA 608

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
4,4-DDD	554112	ND	0.0194	0.025	ug/L	114162659
4,4-DDE	554112	ND	0.0161	0.025	ug/L	114162659

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Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
4,4-DDT	554112	ND	0.00591	0.010	ug/L	114162659
Aldrin	554112	ND	0.00253	0.010	ug/L	114162659
Alpha-BHC(hexachlorocyclohexane)	554112	ND	0.015	0.025	ug/L	114162659
Beta-BHC(hexachlorocyclohexane)	554112	ND	0.00871	0.010	ug/L	114162659
Chlordane	554112	ND	0.00188	0.010	ug/L	114162659
Delta-BHC(hexachlorocyclohexane)	554112	ND	0.00523	0.010	ug/L	114162659
Dieldrin	554112	ND	0.00653	0.010	ug/L	114162659
Endosulfan I (alpha)	554112	ND	0.00719	0.010	ug/L	114162659
Endosulfan II (beta)	554112	ND	0.00767	0.010	ug/L	114162659
Endosulfan sulfate	554112	ND	0.00333	0.010	ug/L	114162659
Endrin	554112	ND	0.00857	0.010	ug/L	114162659
Endrin aldehyde	554112	ND	0.0144	0.025	ug/L	114162659
Gamma-BHC(Lindane)	554112	ND	0.00897	0.010	ug/L	114162659
Heptachlor	554112	ND	0.00147	0.010	ug/L	114162659
Heptachlor epoxide	554112	ND	0.00128	0.010	ug/L	114162659
Methoxychlor	554112	ND	0.00563	0.010	ug/L	114162659
Toxaphene	554112	ND	0.00373	0.010	ug/L	114162659

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
4,4-DDD	92.7	100	ug/L	92.7	80.0 - 120		114162656
4,4-DDD	91.6	100	ug/L	91.6	80.0 - 120		114162665
4,4-DDE	104	100	ug/L	104	80.0 - 120		114162656
4,4-DDE	103	100	ug/L	103	80.0 - 120		114162665
4,4-DDT	92.6	100	ug/L	92.6	80.0 - 120		114162656
4,4-DDT	89.2	100	ug/L	89.2	80.0 - 120		114162665
Aldrin	104	100	ug/L	104	80.0 - 120		114162656
Aldrin	104	100	ug/L	104	80.0 - 120		114162665
Alpha-BHC(hexachlorocyclohexane)	93.6	100	ug/L	93.6	80.0 - 120		114162656
Alpha-BHC(hexachlorocyclohexane)	91.4	100	ug/L	91.4	80.0 - 120		114162665
Beta-BHC(hexachlorocyclohexane)	95.2	100	ug/L	95.2	80.0 - 120		114162656
Beta-BHC(hexachlorocyclohexane)	96.3	100	ug/L	96.3	80.0 - 120		114162665
Delta-BHC(hexachlorocyclohexane)	90.9	100	ug/L	90.9	80.0 - 120		114162656
Delta-BHC(hexachlorocyclohexane)	91.7	100	ug/L	91.7	80.0 - 120		114162665
Dieldrin	102	100	ug/L	102	80.0 - 120		114162656
Dieldrin	100	100	ug/L	100	80.0 - 120		114162665
Endosulfan I (alpha)	98.2	100	ug/L	98.2	80.0 - 120		114162656
Endosulfan I (alpha)	95.4	100	ug/L	95.4	80.0 - 120		114162665
Endosulfan II (beta)	95.9	100	ug/L	95.9	80.0 - 120		114162656
Endosulfan II (beta)	103	100	ug/L	103	80.0 - 120		114162665
Endosulfan sulfate	88.4	100	ug/L	88.4	80.0 - 120		114162656
Endosulfan sulfate	88.7	100	ug/L	88.7	80.0 - 120		114162665
Endrin	94.6	100	ug/L	94.6	80.0 - 120		114162656
Endrin	96.5	100	ug/L	96.5	80.0 - 120		114162665
Endrin aldehyde	87.9	100	ug/L	87.9	80.0 - 120		114162656

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Endrin aldehyde	95.0	100	ug/L	95.0	80.0 - 120		114162665
Gamma-BHC(Lindane)	99.7	100	ug/L	99.7	80.0 - 120		114162656
Gamma-BHC(Lindane)	110	100	ug/L	110	80.0 - 120		114162665
Heptachlor	86.0	100	ug/L	86.0	80.0 - 120		114162656
Heptachlor	90.7	100	ug/L	90.7	80.0 - 120		114162665
Heptachlor epoxide	98.6	100	ug/L	98.6	80.0 - 120		114162656
Heptachlor epoxide	95.0	100	ug/L	95.0	80.0 - 120		114162665
Methoxychlor	91.1	100	ug/L	91.1	80.0 - 120		114162656
Methoxychlor	88.8	100	ug/L	88.8	80.0 - 120		114162665

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
4,4-DDD	554112	0.969	1.00	ug/L	96.9	34.3 - 136	114162660	
4,4-DDE	554112	1.09	1.00	ug/L	109	44.1 - 130	114162660	
4,4-DDT	554112	0.897	1.00	ug/L	89.7	24.4 - 154	114162660	
Aldrin	554112	1.10	1.00	ug/L	110	25.5 - 119	114162660	
Alpha-BHC(hexachlorocyclohexane)	554112	0.974	1.00	ug/L	97.4	30.2 - 126	114162660	
Beta-BHC(hexachlorocyclohexane)	554112	1.03	1.00	ug/L	103	39.3 - 147	114162660	
Delta-BHC(hexachlorocyclohexane)	554112	0.950	1.00	ug/L	95.0	42.5 - 135	114162660	
Dieldrin	554112	1.09	1.00	ug/L	109	41.6 - 140	114162660	
Endosulfan I (alpha)	554112	1.01	1.00	ug/L	101	34.1 - 126	114162660	
Endosulfan II (beta)	554112	1.02	1.00	ug/L	102	41.3 - 129	114162660	
Endosulfan sulfate	554112	0.869	1.00	ug/L	86.9	43.6 - 142	114162660	
Endrin	554112	1.05	1.00	ug/L	105	39.4 - 148	114162660	
Endrin aldehyde	554112	0.888	1.00	ug/L	88.8	40.8 - 137	114162660	
Gamma-BHC(Lindane)	554112	1.19	1.00	ug/L	119	29.9 - 130	114162660	
Heptachlor	554112	1.05	1.00	ug/L	105	18.9 - 128	114162660	
Heptachlor epoxide	554112	1.02	1.00	ug/L	102	42.1 - 132	114162660	
Methoxychlor	554112	0.761	1.00	ug/L	76.1	28.6 - 162	114162660	

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
4,4-DDD	554112	0.969	0.899	1.00	34.3 - 136	96.9	89.9	ug/L	7.49	30.0
4,4-DDE	554112	1.09	1.06	1.00	44.1 - 130	109	106	ug/L	2.79	30.0
4,4-DDT	554112	0.897	0.836	1.00	24.4 - 154	89.7	83.6	ug/L	7.04	30.0
Aldrin	554112	1.10	1.08	1.00	25.5 - 119	110	108	ug/L	1.83	30.0
Alpha-BHC(hexachlorocyclohexane)	554112	0.974	0.939	1.00	30.2 - 126	97.4	93.9	ug/L	3.66	30.0
Beta-BHC(hexachlorocyclohexane)	554112	1.03	0.960	1.00	39.3 - 147	103	96.0	ug/L	7.04	30.0
Delta-BHC(hexachlorocyclohexane)	554112	0.950	0.894	1.00	42.5 - 135	95.0	89.4	ug/L	6.07	30.0
Dieldrin	554112	1.09	1.02	1.00	41.6 - 140	109	102	ug/L	6.64	30.0
Endosulfan I (alpha)	554112	1.01	0.943	1.00	34.1 - 126	101	94.3	ug/L	6.86	30.0
Endosulfan II (beta)	554112	1.02	0.936	1.00	41.3 - 129	102	93.6	ug/L	8.59	30.0
Endosulfan sulfate	554112	0.869	0.789	1.00	43.6 - 142	86.9	78.9	ug/L	9.65	30.0
Endrin	554112	1.05	0.965	1.00	39.4 - 148	105	96.5	ug/L	8.44	30.0
Endrin aldehyde	554112	0.888	0.805	1.00	40.8 - 137	88.8	80.5	ug/L	9.81	30.0
Gamma-BHC(Lindane)	554112	1.19	1.10	1.00	29.9 - 130	119	110	ug/L	7.86	30.0
Heptachlor	554112	1.05	0.982	1.00	18.9 - 128	105	98.2	ug/L	6.69	30.0

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LCS Dup

Parameter	PrepSet	LCS	LCSD		Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Heptachlor epoxide	554112	1.02	0.968		1.00	42.1 - 132	102	96.8	ug/L	5.23	30.0
Methoxychlor	554112	0.761	0.704		1.00	28.6 - 162	76.1	70.4	ug/L	7.78	30.0

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
4,4-DDD	1274066	3780000	0	ND	4160000	70.0 - 130	90.9		ug/L		30.0
4,4-DDE	1274066	4270000	0	ND	4160000	70.0 - 130	103		ug/L		30.0
4,4-DDT	1274066	3570000	0	ND	4160000	70.0 - 130	85.8		ug/L		30.0
Aldrin	1274066	4330000	0	ND	4160000	70.0 - 130	104		ug/L		30.0
Alpha-BHC(hexachlorocyclohexane)	1274066	3830000	0	ND	4160000	70.0 - 130	92.1		ug/L		30.0
Beta-BHC(hexachlorocyclohexane)	1274066	4000000	0	ND	4160000	70.0 - 130	96.2		ug/L		30.0
Delta-BHC(hexachlorocyclohexane)	1274066	3760000	0	ND	4160000	70.0 - 130	90.4		ug/L		30.0
Dieldrin	1274066	4230000	0	ND	4160000	70.0 - 130	102		ug/L		30.0
Endosulfan I (alpha)	1274066	3950000	0	ND	4160000	70.0 - 130	95.0		ug/L		30.0
Endosulfan II (beta)	1274066	4050000	0	ND	4160000	70.0 - 130	97.4		ug/L		30.0
Endosulfan sulfate	1274066	3420000	0	ND	4160000	70.0 - 130	82.2		ug/L		30.0
Endrin	1274066	4090000	0	ND	4160000	70.0 - 130	98.3		ug/L		30.0
Endrin aldehyde	1274066	3500000	0	ND	4160000	70.0 - 130	84.1		ug/L		30.0
Gamma-BHC(Lindane)	1274066	4720000	0	ND	4160000	70.0 - 130	113		ug/L		30.0
Heptachlor	1274066	4130000	0	ND	4160000	70.0 - 130	99.3		ug/L		30.0
Heptachlor epoxide	1274066	3980000	0	ND	4160000	70.0 - 130	95.7		ug/L		30.0
Methoxychlor	1274066	3040000	0	ND	4160000	70.0 - 130	73.1		ug/L		30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
4,4-DDD	1274066	3780000	4660000	ND	4160000	70.0 - 130	90.9	112	ug/L	20.8	30.0
4,4-DDE	1274066	4270000	5400000	ND	4160000	70.0 - 130	103	130	ug/L	23.2	30.0
4,4-DDT	1274066	3570000	4060000	ND	4160000	70.0 - 130	85.8	97.6	ug/L	12.9	30.0
Aldrin	1274066	4330000	5520000	ND	4160000	70.0 - 130	104	133 *	ug/L	24.5	30.0
Alpha-BHC(hexachlorocyclohexane)	1274066	3830000	4790000	ND	4160000	70.0 - 130	92.1	115	ug/L	22.1	30.0
Beta-BHC(hexachlorocyclohexane)	1274066	4000000	4900000	ND	4160000	70.0 - 130	96.2	118	ug/L	20.4	30.0
Delta-BHC(hexachlorocyclohexane)	1274066	3760000	4440000	ND	4160000	70.0 - 130	90.4	107	ug/L	16.8	30.0
Dieldrin	1274066	4230000	5210000	ND	4160000	70.0 - 130	102	125	ug/L	20.3	30.0
Endosulfan I (alpha)	1274066	3950000	4800000	ND	4160000	70.0 - 130	95.0	115	ug/L	19.0	30.0
Endosulfan II (beta)	1274066	4050000	4900000	ND	4160000	70.0 - 130	97.4	118	ug/L	19.1	30.0
Endosulfan sulfate	1274066	3420000	4150000	ND	4160000	70.0 - 130	82.2	99.8	ug/L	19.3	30.0
Endrin	1274066	4090000	4930000	ND	4160000	70.0 - 130	98.3	119	ug/L	19.1	30.0
Endrin aldehyde	1274066	3500000	4200000	ND	4160000	70.0 - 130	84.1	101	ug/L	18.3	30.0
Gamma-BHC(Lindane)	1274066	4720000	5670000	ND	4160000	70.0 - 130	113	136 *	ug/L	18.5	30.0
Heptachlor	1274066	4130000	5090000	ND	4160000	70.0 - 130	99.3	122	ug/L	20.5	30.0
Heptachlor epoxide	1274066	3980000	4950000	ND	4160000	70.0 - 130	95.7	119	ug/L	21.7	30.0
Methoxychlor	1274066	3040000	3500000	ND	4160000	70.0 - 130	73.1	84.1	ug/L	14.0	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	554112	Blank	118	100	ug/L	118	70.0 - 130	114162659
Decachlorobiphenyl	554112	LCS	101	100	ug/L	101	70.0 - 130	114162660
Decachlorobiphenyl	554112	LCS Dup	95.1	100	ug/L	95.1	70.0 - 130	114162661

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Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Tetrachloro-m-Xylene (Surr)	554112	Blank	127	100	ug/L	127	70.0 - 130	114162659
Tetrachloro-m-Xylene (Surr)	554112	LCS	119	100	ug/L	119	70.0 - 130	114162660
Tetrachloro-m-Xylene (Surr)	554112	LCS Dup	119	100	ug/L	119	70.0 - 130	114162661
Decachlorobiphenyl	1274066	UNKNOWN	1800000	4160000	ug/L	43.3 *	70.0 - 130	114162662
Decachlorobiphenyl	1274066	MS	4070000	4160000	ug/L	97.8	70.0 - 130	114162663
Decachlorobiphenyl	1274066	MSD	4940000	4160000	ug/L	119	70.0 - 130	114162664
Tetrachloro-m-Xylene (Surr)	1274066	UNKNOWN	3350000	4160000	ug/L	80.5	70.0 - 130	114162662
Tetrachloro-m-Xylene (Surr)	1274066	MS	4720000	4160000	ug/L	113	70.0 - 130	114162663
Tetrachloro-m-Xylene (Surr)	1274066	MSD	6070000	4160000	ug/L	146 *	70.0 - 130	114162664

554603 Liquid Aqueous **SW-846 8270**

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
1,2,4-Trichlorobenzene	554114	ND	1.10	2.00	ug/L	114165063
1,2-Dichlorobenzene	554114	ND	1.20	2.00	ug/L	114165063
1,2-DPH (as azobenzene)	554114	ND	0.302	1.00	ug/L	114165063
1,3-Dichlorobenzene	554114	ND	1.24	2.00	ug/L	114165063
1,4-Dichlorobenzene	554114	ND	1.24	2.00	ug/L	114165063
2,4,5-Trichlorophenol	554114	ND	3.38	5.00	ug/L	114165063
2,4,6-Trichlorophenol	554114	ND	9.16	10.0	ug/L	114165063
2,4-Dichlorophenol	554114	ND	6.33	10.0	ug/L	114165063
2,4-Dimethylphenol	554114	ND	1.10	2.00	ug/L	114165063
2,4-Dinitrophenol	554114	ND	1.47	2.00	ug/L	114165063
2,4-Dinitrotoluene	554114	ND	0.136	1.00	ug/L	114165063
2,6-Dinitrotoluene	554114	ND	0.139	1.00	ug/L	114165063
2-Chloronaphthalene	554114	ND	0.488	1.00	ug/L	114165063
2-Chlorophenol	554114	ND	3.60	5.00	ug/L	114165063
2-Methylphenol (o-Cresol)	554114	ND	2.27	2.50	ug/L	114165063
2-Nitrophenol	554114	ND	0.642	1.00	ug/L	114165063
3&4-Methylphenol (m&p-Cresol)	554114	ND	5.78	10.0	ug/L	114165063
3,3'-Dichlorobenzidine	554114	ND	1.18	2.00	ug/L	114165063
4,6-Dinitro-2-methylphenol	554114	ND	1.06	2.00	ug/L	114165063
4-Bromophenyl phenyl ether	554114	ND	0.429	1.00	ug/L	114165063
4-Chlorophenyl phenyl ethe	554114	ND	0.468	1.00	ug/L	114165063
4-Nitrophenol	554114	ND	0.640	1.00	ug/L	114165063
Acenaphthene	554114	ND	0.471	1.00	ug/L	114165063
Acenaphthylene	554114	ND	0.396	1.00	ug/L	114165063
Anthracene	554114	ND	0.265	1.00	ug/L	114165063
Benzidine	554114	ND	3.96	5.00	ug/L	114165063
Benzo(a)anthracene	554114	ND	0.135	1.00	ug/L	114165063
Benzo(a)pyrene	554114	ND	8.20	10.0	ug/L	114165063
Benzo(b)fluoranthene	554114	ND	0.623	1.00	ug/L	114165063
Benzo(ghi)perylene	554114	ND	0.392	1.00	ug/L	114165063
Benzo(k)fluoranthene	554114	ND	0.878	1.00	ug/L	114165063
Benzyl Butyl phthalate	554114	ND	0.498	1.00	ug/L	114165063
Bis(2-chloroethoxy)methane	554114	ND	0.387	1.00	ug/L	114165063
Bis(2-chloroethyl)ether	554114	ND	0.162	1.00	ug/L	114165063
Bis(2-chloroisopropyl)ether	554114	ND	1.70	1.70	ug/L	114165063
Bis(2-ethylhexyl)phthalate	554114	ND	1.71	2.00	ug/L	114165063

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
Chrysene (Benzo(a)phenanthrene)	554114	ND	0.147	1.00	ug/L	114165063
Dibenz(a,h)anthracene	554114	ND	0.406	1.00	ug/L	114165063
Diethyl phthalate	554114	ND	3.66	3.66	ug/L	114165063
Dimethyl phthalate	554114	ND	4.46	5.00	ug/L	114165063
Di-n-butylphthalate	554114	ND	4.80	5.00	ug/L	114165063
Di-n-octylphthalate	554114	ND	6.46	6.46	ug/L	114165063
Fluoranthene(Benzo(j,k)fluor ene)	554114	ND	0.174	1.00	ug/L	114165063
Fluorene	554114	ND	0.432	1.00	ug/L	114165063
Hexachlorobenzene	554114	ND	0.294	1.00	ug/L	114165063
Hexachlorobutadiene	554114	ND	1.65	2.00	ug/L	114165063
Hexachlorocyclopentadiene	554114	ND	1.30	2.00	ug/L	114165063
Hexachloroethane	554114	ND	1.63	2.00	ug/L	114165063
Indeno(1,2,3-cd)pyrene	554114	ND	0.379	1.00	ug/L	114165063
Isophorone	554114	ND	0.374	1.00	ug/L	114165063
Naphthalene	554114	ND	1.06	1.06	ug/L	114165063
Nitrobenzene	554114	ND	0.718	1.00	ug/L	114165063
N-Nitrosodimethylamine	554114	ND	2.35	5.00	ug/L	114165063
N-Nitrosodi-n-propylamine	554114	ND	0.483	1.00	ug/L	114165063
N-Nitrosodiphenylamine (as DPA	554114	ND	9.00	10.0	ug/L	114165063
p-Chloro-m-Cresol (4-Chloro-3-me	554114	ND	9.00	10.0	ug/L	114165063
Pentachlorophenol	554114	ND	5.58	10.0	ug/L	114165063
Phenanthrene	554114	ND	0.340	1.00	ug/L	114165063
Phenol	554114	ND	4.12	5.00	ug/L	114165063
Pyrene	554114	ND	0.184	1.00	ug/L	114165063

CCC

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
1,4-Dichlorobenzene	48800	50000.0	ug/L	97.6	80.0 - 120		114165062
2,4,6-Trichlorophenol	52200	50000.0	ug/L	104	80.0 - 120		114165062
2,4-Dichlorophenol	51000	50000.0	ug/L	102	80.0 - 120		114165062
2-Nitrophenol	51100	50000.0	ug/L	102	80.0 - 120		114165062
Acenaphthene	50900	50000.0	ug/L	102	80.0 - 120		114165062
Benzo(a)pyrene	52600	50000.0	ug/L	105	80.0 - 120		114165062
Di-n-octylphthalate	46200	50000.0	ug/L	92.4	80.0 - 120		114165062
Fluoranthene(Benzo(j,k)fluor ene)	52600	50000.0	ug/L	105	80.0 - 120		114165062
Hexachlorobutadiene	49700	50000.0	ug/L	99.4	80.0 - 120		114165062
N-Nitrosodiphenylamine (as DPA	49800	50000.0	ug/L	99.6	80.0 - 120		114165062
p-Chloro-m-Cresol (4-Chloro-3-me	51300	50000.0	ug/L	103	80.0 - 120		114165062
Pentachlorophenol	48300	50000.0	ug/L	96.6	80.0 - 120		114165062
Phenol	49100	50000.0	ug/L	98.2	80.0 - 120		114165062

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
1,2,4-Trichlorobenzene	50200	50000	ug/L	100	70.0 - 130		114165062
1,2-Dichlorobenzene	49800	50000	ug/L	99.6	70.0 - 130		114165062
1,2-DPH (as azobenzene)	51500	50000	ug/L	103	70.0 - 130		114165062

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
1,3-Dichlorobenzene	49400	50000	ug/L	98.8	70.0 - 130		114165062
1,4-Dichlorobenzene	48800	50000	ug/L	97.6	70.0 - 130		114165062
2,4,5-Trichlorophenol	53400	50000	ug/L	107	70.0 - 130		114165062
2,4,6-Trichlorophenol	52200	50000	ug/L	104	70.0 - 130		114165062
2,4-Dichlorophenol	51000	50000	ug/L	102	70.0 - 130		114165062
2,4-Dimethylphenol	50600	50000	ug/L	101	70.0 - 130		114165062
2,4-Dinitrophenol	50100	50000	ug/L	100	70.0 - 130		114165062
2,4-Dinitrotoluene	54700	50000	ug/L	109	70.0 - 130		114165062
2,6-Dinitrotoluene	52900	50000	ug/L	106	70.0 - 130		114165062
2-Chloronaphthalene	51000	50000	ug/L	102	70.0 - 130		114165062
2-Chlorophenol	49600	50000	ug/L	99.2	70.0 - 130		114165062
2-Methylphenol (o-Cresol)	50000	50000	ug/L	100	70.0 - 130		114165062
2-Nitrophenol	51100	50000	ug/L	102	70.0 - 130		114165062
3&4-Methylphenol (m&p-Cresol)	50300	50000	ug/L	101	70.0 - 130		114165062
3,3'-Dichlorobenzidine	50200	50000	ug/L	100	70.0 - 130		114165062
4,6-Dinitro-2-methylphenol	47700	50000	ug/L	95.4	70.0 - 130		114165062
4-Bromophenyl phenyl ether	49200	50000	ug/L	98.4	70.0 - 130		114165062
4-Chlorophenyl phenyl ethe	51500	50000	ug/L	103	70.0 - 130		114165062
4-Nitrophenol	50900	50000	ug/L	102	70.0 - 130		114165062
Acenaphthene	50900	50000	ug/L	102	70.0 - 130		114165062
Acenaphthylene	50700	50000	ug/L	101	70.0 - 130		114165062
Anthracene	51000	50000	ug/L	102	70.0 - 130		114165062
Benzidine	52100	50000	ug/L	104	70.0 - 130		114165062
Benzo(a)anthracene	49200	50000	ug/L	98.4	70.0 - 130		114165062
Benzo(a)pyrene	52600	50000	ug/L	105	70.0 - 130		114165062
Benzo(b)fluoranthene	44800	50000	ug/L	89.6	70.0 - 130		114165062
Benzo(ghi)perylene	46300	50000	ug/L	92.6	70.0 - 130		114165062
Benzo(k)fluoranthene	40300	50000	ug/L	80.6	70.0 - 130		114165062
Benzyl Butyl phthalate	49400	50000	ug/L	98.8	70.0 - 130		114165062
Bis(2-chloroethoxy)methane	48800	50000	ug/L	97.6	70.0 - 130		114165062
Bis(2-chloroethyl)ether	49400	50000	ug/L	98.8	70.0 - 130		114165062
Bis(2-chloroisopropyl)ether	45800	50000	ug/L	91.6	70.0 - 130		114165062
Bis(2-ethylhexyl)phthalate	50000	50000	ug/L	100	70.0 - 130		114165062
Chrysene (Benzo(a)phenanthrene)	49600	50000	ug/L	99.2	70.0 - 130		114165062
Dibenz(a,h)anthracene	48500	50000	ug/L	97.0	70.0 - 130		114165062
Diethyl phthalate	51200	50000	ug/L	102	70.0 - 130		114165062
Dimethyl phthalate	50200	50000	ug/L	100	70.0 - 130		114165062
Di-n-butylphthalate	50200	50000	ug/L	100	70.0 - 130		114165062
Di-n-octylphthalate	46200	50000	ug/L	92.4	70.0 - 130		114165062
Fluoranthene(Benzo(j,k)fluorene)	52600	50000	ug/L	105	70.0 - 130		114165062
Fluorene	51300	50000	ug/L	103	70.0 - 130		114165062
Hexachlorobenzene	48600	50000	ug/L	97.2	70.0 - 130		114165062
Hexachlorobutadiene	49700	50000	ug/L	99.4	70.0 - 130		114165062
Hexachlorocyclopentadiene	46800	50000	ug/L	93.6	70.0 - 130		114165062
Hexachloroethane	48200	50000	ug/L	96.4	70.0 - 130		114165062
Indeno(1,2,3-cd)pyrene	47700	50000	ug/L	95.4	70.0 - 130		114165062
Isophorone	48100	50000	ug/L	96.2	70.0 - 130		114165062
Naphthalene	50000	50000	ug/L	100	70.0 - 130		114165062

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Nitrobenzene	48300	50000	ug/L	96.6	70.0 - 130		114165062
N-Nitrosodimethylamine	44700	50000	ug/L	89.4	70.0 - 130		114165062
N-Nitrosodi-n-propylamine	45800	50000	ug/L	91.6	70.0 - 130		114165062
N-Nitrosodiphenylamine (as DPA	49800	50000	ug/L	99.6	70.0 - 130		114165062
p-Chloro-m-Cresol (4-Chloro-3-me	51300	50000	ug/L	103	70.0 - 130		114165062
Pentachlorophenol	48300	50000	ug/L	96.6	70.0 - 130		114165062
Phenanthrene	50800	50000	ug/L	102	70.0 - 130		114165062
Phenol	49100	50000	ug/L	98.2	70.0 - 130		114165062
Pyrene	49700	50000	ug/L	99.4	70.0 - 130		114165062

DFTPP

Parameter		RefMass	Reading	%	Limits%	Out	File
DFTPP Mass 127	131162	198	28293	57.1	40.0 - 60.0		114165061
DFTPP Mass 197	131162	198	145	0.3	0 - 1.00		114165061
DFTPP Mass 198	131162	198	49565	100.0	100 - 100		114165061
DFTPP Mass 199	131162	198	3450	7.0	5.00 - 9.00		114165061
DFTPP Mass 275	131162	198	9248	18.7	10.0 - 30.0		114165061
DFTPP Mass 365	131162	198	964	1.9	1.00 - 100		114165061
DFTPP Mass 441	131162	443	3913	78.2	0 - 100		114165061
DFTPP Mass 442	131162	198	26168	52.8	40.0 - 100		114165061
DFTPP Mass 443	131162	442	5004	19.1	17.0 - 23.0		114165061
DFTPP Mass 51	131162	198	19293	38.9	30.0 - 60.0		114165061
DFTPP Mass 68	131162	69.0	0	0.0	0 - 2.00		114165061
DFTPP Mass 69	131162	198	24418	49.3	0 - 100		114165061
DFTPP Mass 70	131162	69.0	129	0.5	0 - 2.00		114165061

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	Out	File	PrepSet
1,4-Dichlorobenzene-d4-ISTD	132688	CCV	197600	197600	98790	296400		114165062	132688
Acenaphthene-d10-ISTD	132688	CCV	419800	419800	209900	629700		114165062	132688
Chrysene-d12-ISTD	132688	CCV	405200	405200	202600	607800		114165062	132688
Naphthalene-d8-ISTD	132688	CCV	751700	751700	375800	1128000		114165062	132688
Perylene-d12-ISTD	132688	CCV	280500	280500	140300	420800		114165062	132688
Phenanthrene-d10-ISTD	132688	CCV	595200	595200	297600	892800		114165062	132688
1,4-Dichlorobenzene-d4-ISTD	554114	Blank	193400	197600	98790	296400		114165063	554114
1,4-Dichlorobenzene-d4-ISTD	554114	LCS	170500	197600	98790	296400		114165064	554114
1,4-Dichlorobenzene-d4-ISTD	554114	LCS Dup	174700	197600	98790	296400		114165065	554114
Acenaphthene-d10-ISTD	554114	Blank	410300	419800	209900	629700		114165063	554114
Acenaphthene-d10-ISTD	554114	LCS	361700	419800	209900	629700		114165064	554114
Acenaphthene-d10-ISTD	554114	LCS Dup	391300	419800	209900	629700		114165065	554114
Chrysene-d12-ISTD	554114	Blank	327500	405200	202600	607800		114165063	554114
Chrysene-d12-ISTD	554114	LCS	251100	405200	202600	607800		114165064	554114
Chrysene-d12-ISTD	554114	LCS Dup	354800	405200	202600	607800		114165065	554114
Naphthalene-d8-ISTD	554114	Blank	738200	751700	375800	1128000		114165063	554114
Naphthalene-d8-ISTD	554114	LCS	661700	751700	375800	1128000		114165064	554114
Naphthalene-d8-ISTD	554114	LCS Dup	681800	751700	375800	1128000		114165065	554114
Perylene-d12-ISTD	554114	Blank	215800	280500	140300	420800		114165063	554114

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IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	Out	File	PrepSet
Perylene-d12-ISTD	554114	LCS	174600	280500	140300	420800		114165064	554114
Perylene-d12-ISTD	554114	LCS Dup	288300	280500	140300	420800		114165065	554114
Phenanthrene-d10-ISTD	554114	Blank	527800	595200	297600	892800		114165063	554114
Phenanthrene-d10-ISTD	554114	LCS	440500	595200	297600	892800		114165064	554114
Phenanthrene-d10-ISTD	554114	LCS Dup	519800	595200	297600	892800		114165065	554114
1,4-Dichlorobenzene-d4-ISTD	1274066	UNKNOWN	195500	197600	98790	296400		114165066	554114
1,4-Dichlorobenzene-d4-ISTD	1274066	MS	203500	197600	98790	296400		114165067	554114
1,4-Dichlorobenzene-d4-ISTD	1274066	MSD	191800	197600	98790	296400		114165068	554114
Acenaphthene-d10-ISTD	1274066	UNKNOWN	422700	419800	209900	629700		114165066	554114
Acenaphthene-d10-ISTD	1274066	MS	442000	419800	209900	629700		114165067	554114
Acenaphthene-d10-ISTD	1274066	MSD	408800	419800	209900	629700		114165068	554114
Chrysene-d12-ISTD	1274066	UNKNOWN	271200	405200	202600	607800		114165066	554114
Chrysene-d12-ISTD	1274066	MS	290000	405200	202600	607800		114165067	554114
Chrysene-d12-ISTD	1274066	MSD	283400	405200	202600	607800		114165068	554114
Naphthalene-d8-ISTD	1274066	UNKNOWN	757700	751700	375800	1128000		114165066	554114
Naphthalene-d8-ISTD	1274066	MS	795800	751700	375800	1128000		114165067	554114
Naphthalene-d8-ISTD	1274066	MSD	745100	751700	375800	1128000		114165068	554114
Perylene-d12-ISTD	1274066	UNKNOWN	177000	280500	140300	420800		114165066	554114
Perylene-d12-ISTD	1274066	MS	200700	280500	140300	420800		114165067	554114
Perylene-d12-ISTD	1274066	MSD	193600	280500	140300	420800		114165068	554114
Phenanthrene-d10-ISTD	1274066	UNKNOWN	535800	595200	297600	892800		114165066	554114
Phenanthrene-d10-ISTD	1274066	MS	549000	595200	297600	892800		114165067	554114
Phenanthrene-d10-ISTD	1274066	MSD	517000	595200	297600	892800		114165068	554114

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	Out	File	PrepSet
1,4-Dichlorobenzene-d4-ISTD	132688	CCV	5.990	5.990	5.930	6.050		114165062	132688
Acenaphthene-d10-ISTD	132688	CCV	11.62	11.62	11.56	11.68		114165062	132688
Chrysene-d12-ISTD	132688	CCV	18.80	18.80	18.74	18.86		114165062	132688
Naphthalene-d8-ISTD	132688	CCV	7.990	7.990	7.930	8.050		114165062	132688
Perylene-d12-ISTD	132688	CCV	21.36	21.36	21.30	21.42		114165062	132688
Phenanthrene-d10-ISTD	132688	CCV	14.89	14.89	14.83	14.95		114165062	132688
1,4-Dichlorobenzene-d4-ISTD	554114	Blank	5.990	5.990	5.930	6.050		114165063	554114
1,4-Dichlorobenzene-d4-ISTD	554114	LCS	5.990	5.990	5.930	6.050		114165064	554114
1,4-Dichlorobenzene-d4-ISTD	554114	LCS Dup	5.990	5.990	5.930	6.050		114165065	554114
Acenaphthene-d10-ISTD	554114	Blank	11.61	11.62	11.56	11.68		114165063	554114
Acenaphthene-d10-ISTD	554114	LCS	11.61	11.62	11.56	11.68		114165064	554114
Acenaphthene-d10-ISTD	554114	LCS Dup	11.61	11.62	11.56	11.68		114165065	554114
Chrysene-d12-ISTD	554114	Blank	18.79	18.80	18.74	18.86		114165063	554114
Chrysene-d12-ISTD	554114	LCS	18.79	18.80	18.74	18.86		114165064	554114
Chrysene-d12-ISTD	554114	LCS Dup	18.79	18.80	18.74	18.86		114165065	554114
Naphthalene-d8-ISTD	554114	Blank	7.970	7.990	7.930	8.050		114165063	554114
Naphthalene-d8-ISTD	554114	LCS	7.970	7.990	7.930	8.050		114165064	554114
Naphthalene-d8-ISTD	554114	LCS Dup	7.970	7.990	7.930	8.050		114165065	554114
Perylene-d12-ISTD	554114	Blank	21.34	21.36	21.30	21.42		114165063	554114
Perylene-d12-ISTD	554114	LCS	21.34	21.36	21.30	21.42		114165064	554114

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IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	Out	File	PrepSet
Perylene-d12-ISTD	554114	LCS Dup	21.35	21.36	21.30	21.42		114165065	554114
Phenanthrene-d10-ISTD	554114	Blank	14.88	14.89	14.83	14.95		114165063	554114
Phenanthrene-d10-ISTD	554114	LCS	14.88	14.89	14.83	14.95		114165064	554114
Phenanthrene-d10-ISTD	554114	LCS Dup	14.88	14.89	14.83	14.95		114165065	554114
1,4-Dichlorobenzene-d4-ISTD	1274066	MS	5.990	5.990	5.930	6.050		114165067	554114
1,4-Dichlorobenzene-d4-ISTD	1274066	MSD	5.990	5.990	5.930	6.050		114165068	554114
Acenaphthene-d10-ISTD	1274066	MS	11.61	11.62	11.56	11.68		114165067	554114
Acenaphthene-d10-ISTD	1274066	MSD	11.61	11.62	11.56	11.68		114165068	554114
Chrysene-d12-ISTD	1274066	MS	18.79	18.80	18.74	18.86		114165067	554114
Chrysene-d12-ISTD	1274066	MSD	18.79	18.80	18.74	18.86		114165068	554114
Naphthalene-d8-ISTD	1274066	MS	7.970	7.990	7.930	8.050		114165067	554114
Naphthalene-d8-ISTD	1274066	MSD	7.970	7.990	7.930	8.050		114165068	554114
Perylene-d12-ISTD	1274066	MS	21.35	21.36	21.30	21.42		114165067	554114
Perylene-d12-ISTD	1274066	MSD	21.35	21.36	21.30	21.42		114165068	554114
Phenanthrene-d10-ISTD	1274066	MS	14.88	14.89	14.83	14.95		114165067	554114
Phenanthrene-d10-ISTD	1274066	MSD	14.88	14.89	14.83	14.95		114165068	554114

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
1,2,4-Trichlorobenzene	554114	10.8	10.0	ug/L	108	23.3 - 181	114165064	
1,4-Dichlorobenzene	554114	10.6	10.0	ug/L	106	29.9 - 169	114165064	
2,4-Dinitrotoluene	554114	10.2	10.0	ug/L	102	38.8 - 159	114165064	
2-Chlorophenol	554114	21.9	20.0	ug/L	109	25.4 - 157	114165064	
4-Nitrophenol	554114	16.0	20.0	ug/L	80.0	0.100 - 161	114165064	
Acenaphthene	554114	10.6	10.0	ug/L	106	10.5 - 176	114165064	
Di-n-butylphthalate	554114	10.7	10.0	ug/L	107	19.2 - 186	114165064	
N-Nitrosodi-n-propylamine	554114	13.2	10.0	ug/L	132	12.2 - 207	114165064	
p-Chloro-m-Cresol	554114	21.2	20.0	ug/L	106	38.9 - 148	114165064	
(4-Chloro-3-me								
Pentachlorophenol	554114	15.8	20.0	ug/L	79.2	10.9 - 159	114165064	
Phenol	554114	23.2	20.0	ug/L	116	3.28 - 178	114165064	
Pyrene	554114	11.1	10.0	ug/L	111	13.7 - 189	114165064	

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,2,4-Trichlorobenzene	554114	10.8	10.8	10.0	23.3 - 181	108	108	ug/L	0	30.0
1,4-Dichlorobenzene	554114	10.6	10.4	10.0	29.9 - 169	106	104	ug/L	1.90	30.0
2,4-Dinitrotoluene	554114	10.2	11.2	10.0	38.8 - 159	102	112	ug/L	9.35	30.0
2-Chlorophenol	554114	21.9	21.9	20.0	25.4 - 157	109	109	ug/L	0	30.0
4-Nitrophenol	554114	16.0	20.1	20.0	0.100 - 161	80.0	100	ug/L	22.2	30.0
Acenaphthene	554114	10.6	10.8	10.0	10.5 - 176	106	108	ug/L	1.87	30.0
Di-n-butylphthalate	554114	10.7	11.5	10.0	19.2 - 186	107	115	ug/L	7.21	30.0
N-Nitrosodi-n-propylamine	554114	13.2	13.1	10.0	12.2 - 207	132	131	ug/L	0.760	30.0
p-Chloro-m-Cresol	554114	21.2	22.4	20.0	38.9 - 148	106	112	ug/L	5.50	30.0
(4-Chloro-3-me										
Pentachlorophenol	554114	15.8	17.8	20.0	10.9 - 159	79.2	88.9	ug/L	11.5	30.0
Phenol	554114	23.2	23.3	20.0	3.28 - 178	116	116	ug/L	0	30.0
Pyrene	554114	11.1	10.6	10.0	13.7 - 189	111	106	ug/L	4.61	30.0

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%

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MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
1,2,4-Trichlorobenzene	1274066	395000000	0	ND	416000000	3.18 - 189	95.0		ug/L		30.0
1,4-Dichlorobenzene	1274066	380000000	0	ND	416000000	26.5 - 153	91.3		ug/L		30.0
2,4-Dinitrotoluene	1274066	390000000	0	ND	416000000	0.100 - 165	93.8		ug/L		30.0
2-Chlorophenol	1274066	806000000	0	ND	832000000	2.00 - 183	96.9		ug/L		30.0
4-Nitrophenol	1274066	615000000	0	ND	832000000	0.100 - 139	73.9		ug/L		30.0
Acenaphthene	1274066	392000000	0	ND	416000000	0.100 - 267	94.2		ug/L		30.0
Di-n-butylphthalate	1274066	409000000	0	ND	416000000	0.100 - 270	98.3		ug/L		30.0
N-Nitrosodi-n-propylamine	1274066	485000000	0	ND	416000000	0.100 - 517	117		ug/L		30.0
p-Chloro-m-Cresol	1274066	804000000	0	ND	832000000	0.100 - 235	96.6		ug/L		30.0
(4-Chloro-3-me											
Pentachlorophenol	1274066	639000000	0	ND	832000000	0.100 - 187	76.8		ug/L		30.0
Phenol	1274066	865000000	0	ND	832000000	0.100 - 159	104		ug/L		30.0
Pyrene	1274066	459000000	0	ND	416000000	0.100 - 291	110		ug/L		30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
1,2,4-Trichlorobenzene	1274066	395000000	397000000	ND	416000000	3.18 - 189	95.0	95.5	ug/L	0.525	30.0
1,4-Dichlorobenzene	1274066	380000000	395000000	ND	416000000	26.5 - 153	91.3	94.8	ug/L	3.76	30.0
2,4-Dinitrotoluene	1274066	390000000	402000000	ND	416000000	0.100 - 165	93.8	96.5	ug/L	2.84	30.0
2-Chlorophenol	1274066	806000000	814000000	ND	832000000	2.00 - 183	96.9	97.8	ug/L	0.924	30.0
4-Nitrophenol	1274066	615000000	631000000	ND	832000000	0.100 - 139	73.9	75.8	ug/L	2.54	30.0
Acenaphthene	1274066	392000000	401000000	ND	416000000	0.100 - 267	94.2	96.4	ug/L	2.31	30.0
Di-n-butylphthalate	1274066	409000000	415000000	ND	416000000	0.100 - 270	98.3	99.6	ug/L	1.31	30.0
N-Nitrosodi-n-propylamine	1274066	485000000	498000000	ND	416000000	0.100 - 517	117	120	ug/L	2.53	30.0
p-Chloro-m-Cresol	1274066	804000000	817000000	ND	832000000	0.100 - 235	96.6	98.2	ug/L	1.64	30.0
(4-Chloro-3-me											
Pentachlorophenol	1274066	639000000	635000000	ND	832000000	0.100 - 187	76.8	76.3	ug/L	0.653	30.0
Phenol	1274066	865000000	865000000	ND	832000000	0.100 - 159	104	104	ug/L	0	30.0
Pyrene	1274066	459000000	447000000	ND	416000000	0.100 - 291	110	108	ug/L	1.83	30.0

SPCC

Parameter	Sample	RF	Minimum	File
2,4-Dinitrophenol	132688	50100	0.050	114165062
4-Nitrophenol	132688	50900	0.050	114165062
Hexachlorocyclopentadiene	132688	46800	0.050	114165062
N-Nitrosodi-n-propylamine	132688	45800	0.050	114165062

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4,6-Tribromophenol	554114	Blank	26.9	40.0	ug/L	67.2	30.0 - 150	114165063
2,4,6-Tribromophenol	554114	LCS	27.8	40.0	ug/L	69.5	30.0 - 150	114165064
2,4,6-Tribromophenol	554114	LCS Dup	31.0	40.0	ug/L	77.5	30.0 - 150	114165065
2-Fluorobiphenyl-SURR	554114	Blank	18000	20000	ug/L	90.0	30.0 - 150	114165063
2-Fluorobiphenyl-SURR	554114	LCS	18300	20000	ug/L	91.5	30.0 - 150	114165064
2-Fluorobiphenyl-SURR	554114	LCS Dup	18600	20000	ug/L	93.0	30.0 - 150	114165065
2-Fluorophenol-SURR	554114	Blank	34600	40000	ug/L	86.5	30.0 - 150	114165063
2-Fluorophenol-SURR	554114	LCS	35900	40000	ug/L	89.8	30.0 - 150	114165064
2-Fluorophenol-SURR	554114	LCS Dup	36000	40000	ug/L	90.0	30.0 - 150	114165065
4-Terphenyl-d14-SURR	554114	Blank	19800	20000	ug/L	99.0	30.0 - 150	114165063
4-Terphenyl-d14-SURR	554114	LCS	20200	20000	ug/L	101	30.0 - 150	114165064
4-Terphenyl-d14-SURR	554114	LCS Dup	20400	20000	ug/L	102	30.0 - 150	114165065
Nitrobenzene-d5-SURR	554114	Blank	19700	20000	ug/L	98.5	30.0 - 150	114165063

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Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Nitrobenzene-d5-SURR	554114	LCS	20100	20000	ug/L	100	30.0 - 150	114165064
Nitrobenzene-d5-SURR	554114	LCS Dup	20900	20000	ug/L	104	30.0 - 150	114165065
Phenol-d6-SURR	554114	Blank	35000	40000	ug/L	87.5	30.0 - 150	114165063
Phenol-d6-SURR	554114	LCS	35100	40000	ug/L	87.8	30.0 - 150	114165064
Phenol-d6-SURR	554114	LCS Dup	36500	40000	ug/L	91.2	30.0 - 150	114165065
2,4,6-Tribromophenol	1274066	UNKNOWN	1140000	1660000000	ug/L	68.7	30.0 - 150	114165066
2,4,6-Tribromophenol	1274066	MS	1110000	1660000000	ug/L	66.9	30.0 - 150	114165067
2,4,6-Tribromophenol	1274066	MSD	1140000	1660000000	ug/L	68.7	30.0 - 150	114165068
2-Fluorobiphenyl-SURR	1274066	UNKNOWN	78700000	832000000	ug/L	94.6	30.0 - 150	114165066
2-Fluorobiphenyl-SURR	1274066	MS	68700000	832000000	ug/L	82.6	30.0 - 150	114165067
2-Fluorobiphenyl-SURR	1274066	MSD	73000000	832000000	ug/L	87.7	30.0 - 150	114165068
2-Fluorophenol-SURR	1274066	UNKNOWN	1460000	1660000000	ug/L	88.0	30.0 - 150	114165066
2-Fluorophenol-SURR	1274066	MS	1330000	1660000000	ug/L	80.1	30.0 - 150	114165067
2-Fluorophenol-SURR	1274066	MSD	1380000	1660000000	ug/L	83.1	30.0 - 150	114165068
4-Terphenyl-d14-SURR	1274066	UNKNOWN	98100000	832000000	ug/L	118	30.0 - 150	114165066
4-Terphenyl-d14-SURR	1274066	MS	83500000	832000000	ug/L	100	30.0 - 150	114165067
4-Terphenyl-d14-SURR	1274066	MSD	83900000	832000000	ug/L	101	30.0 - 150	114165068
Nitrobenzene-d5-SURR	1274066	UNKNOWN	85900000	832000000	ug/L	103	30.0 - 150	114165066
Nitrobenzene-d5-SURR	1274066	MS	76400000	832000000	ug/L	91.8	30.0 - 150	114165067
Nitrobenzene-d5-SURR	1274066	MSD	80800000	832000000	ug/L	97.1	30.0 - 150	114165068
Phenol-d6-SURR	1274066	UNKNOWN	1460000	1660000000	ug/L	88.0	30.0 - 150	114165066
Phenol-d6-SURR	1274066	MS	1330000	1660000000	ug/L	80.1	30.0 - 150	114165067
Phenol-d6-SURR	1274066	MSD	1380000	1660000000	ug/L	83.1	30.0 - 150	114165068

554658 Liquid Aqueous **EPA 8082**

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
PCB-1016	554112	ND	0.155	0.500	ug/L	114165950
PCB-1221	554112	ND	0.143	0.500	ug/L	114165950
PCB-1232	554112	ND	0.143	0.500	ug/L	114165950
PCB-1242	554112	ND	0.143	0.500	ug/L	114165950
PCB-1248	554112	ND	0.143	0.500	ug/L	114165950
PCB-1254	554112	ND	0.143	0.500	ug/L	114165950
PCB-1260	554112	ND	0.143	0.500	ug/L	114165950

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
PCB-1016	1110	1000	ug/L	111	70.0 - 130		114165949
PCB-1016	1180	1000	ug/L	118	70.0 - 130		114165953
PCB-1260	923	1000	ug/L	92.3	70.0 - 130		114165949
PCB-1260	964	1000	ug/L	96.4	70.0 - 130		114165953

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	554112	Blank	118	100	ug/L	118	10.0 - 200	114165950
Tetrachloro-m-Xylene (Surr)	554112	Blank	127	100	ug/L	127	10.0 - 200	114165950
Decachlorobiphenyl	1274066	UNKNOWN	1800000	4160000	ug/L	43.3	10.0 - 200	114165951
Tetrachloro-m-Xylene (Surr)	1274066	UNKNOWN	3350000	4160000	ug/L	80.5	10.0 - 200	114165951

553954 Liquid Aqueous **EPA 9040C**

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Duplicate

Parameter	Sample	Type	Result	Unknown	Unit	RPD	Limit%
Laboratory pH	1274018	Duplicate	8.1	8.1	SU	0	4.00
Laboratory pH	1274213	Duplicate	7.8	7.7	SU	1.29	4.00

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	Out	File
Laboratory pH	553954	7.01	7.00	SU	100	90.0 - 110		114152606
Laboratory pH	553954	4.01	4.00	SU	100	90.0 - 110		114152608
Laboratory pH	553954	10.02	10.00	SU	100	90.0 - 110		114152610
Laboratory pH	553954	6.04	6.00	SU	101	90.0 - 110		114152612
Laboratory pH	553954	8.01	8.00	SU	100	90.0 - 110		114152614
Laboratory pH	553954	6.03	6.00	SU	100	90.0 - 110		114152638
Laboratory pH	553954	8.02	8.00	SU	100	90.0 - 110		114152640
Laboratory pH	553954	6.05	6.00	SU	101	90.0 - 110		114152650
Laboratory pH	553954	8.02	8.00	SU	100	90.0 - 110		114152652

554144 Liquid Aqueous — SM 5210 B-2001

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	554144	0.390	0.200	0.500	mg/L	114156129

Duplicate

Parameter	Sample	Type	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	1274477	Duplicate	4820	9120	mg/L	61.7	20.0

Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	Out	File
Biochemical Oxygen Demand (BOD5)	554144	0.920	0.200	0.500	mg/L		114156130

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	Out	File
Biochemical Oxygen Demand (BOD5)		201	198	mg/L	102	83.7 - 116		114156131

554340 Liquid Aqueous — SM 5220 D-97

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Chemical Oxygen Demand	410	400	mg/L	100	95 - 100		114160150

Duplicate

Parameter	Sample	Type	Result	Unknown	Unit	RPD	Limit%
Chemical Oxygen Demand	1274220	Duplicate	31	26	mg/L	17.5	20
Chemical Oxygen Demand	1274379	Duplicate	20	26	mg/L	26.1	20

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
Chemical Oxygen Demand	554340	200	200	mg/L	100	90 - 110	114160151	

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Chemical Oxygen Demand	1274220	230	21	200	mg/L	104	80 - 120	114160156
Chemical Oxygen Demand	1274379	230	21	200	mg/L	104	80 - 120	114160161

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RPD is Relative Percent Difference: abs(r1-r2) / mean(r1,r2) * 100% Recover% is Recovery Percent: result / known * 100%

Blank - Method Blank; LCS - Laboratory Control Sample; CCV - Continuing Calibration Verification; MS - Matrix Spike; ICV - Initial Calibration Verification; LDR - Linear Dynamic Range Standard; CCC - Calibration Check Compound; BFB - GC/MS Tuning Compound; DFTPP - GC/MS Tuning Compound

641468 CoC Print Group 001 of 001

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Chain of Custody

01/21/2014

1274046

MCKB

101

Big-foot
Product

Report To

Kenneth Berry
Matrix Construction Products
PO Box 1211
Englewood, CO 80150-1211

Phone 877/591-3137
Fax

Accredited		Test	Name	Method
Matrix: Solid		PRODUCT NAME = BIG-FOOT		
Sampler Printed Name			*Sampler Affiliation*	*Sampler Signature*
	4	Glass 4 oz w/Teflon lined lid		
N		301L	Liquid Metals Digestion	EPA 200.2 2.8
N		*SbM	Antimony	EPA 6020A
N		*AsM	Arsenic	EPA 6020A
N		*BaM	Barium	EPA 6020A
N		*BeM	Beryllium	EPA 6020A
N		*CdM	Cadmium	EPA 6020A
N		*CrM	Chromium	EPA 6020A
N		*CuM	Copper	EPA 6020A
N		*PbM	Lead	EPA 6020A
N		*NiM	Nickel	EPA 6020A
N		*SeM	Selenium	EPA 6020A
N		*AgM	Silver	EPA 6020A
N		*TlM	Thallium	EPA 6020A
N		*ZnM	Zinc	EPA 6020A
N		T1OC	Table 1 Organochlorine Pesticide	EPA 608
N		*Hg	Mercury	EPA 7470A
N		747L	Mercury Liquid Metals Digestion	EPA 7470A
N		!PCB	Polychlorinated Biphenyls	EPA 8082
N		!HER	Herbicides by GC	EPA 8151A
N		CNa	Cyanide	EPA 9014
N		pHLL	Laboratory pH	EPA 9040C
N		HEM	Oil and Grease (HEM)	EPA 9070A
N	*	BOD	Biochemical Oxygen Demand (BOD5)	SM 5210 B-2001
N		COD	Chemical Oxygen Demand	SM 5220 D-97
N		!VOA	Volatiles by GC/MS	SW-846 8260B
N		TYLS	TTO ABN 40 CFR Pt 122 Table II	SW-846 8270
	0	Z1-Adminstrative use only: no bottle required		
		SK	Skeeter's Attention	
		SSPr	Special Sample Prep	

MIX: THE WHITE DRY GRANULAR Big-foot SAMPLE @ 0.084 g Big-foot INTO 350 mL OF DEIONIZED WATER TO BE TESTED.

Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

Corporate: 2600 Dudley Road Kilgore TX 75662

ACCREDITED IN ACCORDANCE WITH nelac
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Chain of Custody

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Report To

Kenneth Berry
Matrix Construction Products
PO Box 1211
Englewood, CO 80150-1211

MCKB

101
Big-Foot
Product

Phone 877/591-3137
Fax

Ana-Lab #	Sample ID	Bottles	Date	Time	Notes
1274016	BIG-FOOT				

Ambient Conditions/Comments

Date	Time	Relinquished	Received
1/22/14	12:10	Printed Name KEN JOHN BERRY Affiliation	Printed Name US Mail Affiliation
		Signature Ken Berry	Signature
1/30/14	0900	Printed Name Affiliation	Printed Name Christi Parker Ana-Lab Affiliation
		Signature US Mail	Signature
		Printed Name Affiliation	Printed Name Affiliation
		Signature	Signature
		Printed Name Affiliation	Printed Name Affiliation
		Signature	Signature

Sample Recieved on Ice? ☐ Yes ☒ No **Method of Shipment:** ☐ UPS ☐ Bus ☐ FedEx ☐ Lone Star ☐ Hand Delivered ☒ Other
Cooler/Sample Secure? ☒ Yes ☐ No **Tracking/Shipping #**

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Comments

Big-Foot: MIX AT CONCENTRATION of 0.084g Big-Foot INTO 350mL OF DEIONIZED WATER

005057 ☐ CF
005112 ☒ CF 0.1
003688 ☐ CF

16°C

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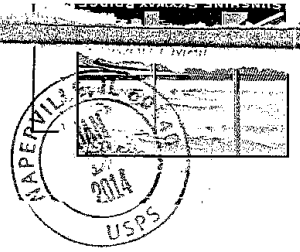

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PO BOX 1211
ENGLEWOOD, CO
80150-1211

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ANA-LAB CORPORATION
ATTN: SKEETER LUDEWIG
2600 DUDLEY ROAD
KILGORE, TX
75662

Country of Destination:/Pays de destination:

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