



GenapureTM

RL

Genapure Analytical Services, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431
Phone: (561) 447-7373
Fax: (561) 447-7374

March 19, 2009

CLIVE POWELL
MIAMI DADE WATER & SEWER
SOUTH DISTRICT LABORATORY
8950 SW 232 ST.
Miami, FL 33170

RE:

Workorder: 901840
Project: ANNUAL SAMPLING

Dear CLIVE POWELL:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, February 19, 2009. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Kimmel
mkimmel@genapure.com

FL-NELAC E86240

Statement of uncertainty is available upon request.

FL Qualifiers: I=value between MDL and PQL; V=value was positive in Blank; J=estimated value. See comment;

U=undetected; Q=out of hold

EPA Qualifiers: B=value was positive in Blank; J=estimated value. May be between MDL and PQL;

U=undetected; Q=out of hold

Enclosures

Report ID: 901840 - 4599317

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Boca Raton, FL 33431

Phone: (561) 447-7373

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SAMPLE SUMMARY

Lab ID	Sample ID	Collector	Matrix	Date Collected	Date Received
901840001	REUSE EFFLUENT	CL	Drinking Water	2/19/2009 00:00	2/19/2009
901840002	TRIP BLANK	CL	DI Water	2/14/2009 00:00	2/19/2009

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ANALYTICAL RESULTS

Lab ID: 901840001
Sample ID: REUSE EFFLUENT/

Date Received: 2/19/2009 Matrix: Drinking Water
Date Collected: 2/19/2009

Parameters	Results	Qual	Units	MDL	PQL	DF	Prepared	Analyzed	By
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Wet Chemistry

Analytical Method: SM 2540 C

Total Dissolved Solids(TDS)	392		mg/L	7.00	10.0	1		2/23/2009 13:10	AR
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Preparation Method: EPA 351.2 Analytical Method: EPA 351.2

Total Kjeldahl Nitrogen	26.9	V	mg/L-N	2.2	4.0	10	3/2/2009 18:00	3/3/2009 11:50	IG
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Preparation Method: EPA 335.2 Analytical Method: EPA 335.4 Cyanide

Total Cyanide	0.0176		mg/L	0.0040	0.0100	1	2/24/2009 10:22	2/24/2009 13:57	IG
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Analytical Method: SM 2120B Color

Color (True/Apparent)	30.0		pcu	5.0	5.0	1		2/20/2009 07:45	ZE
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Analytical Method: EPA 350.1

Ammonia	30.4	V	mg/L-N	0.087	0.25	5		2/20/2009 12:52	IG
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Analytical Method: EPA 300.0

Chloride	121		mg/L	1.33	10.0	20		2/23/2009 16:12	AD
Fluoride	0.300U		mg/L	0.300	2.00	10		2/20/2009 19:09	AD
Nitrate	0.074U		mg/L-N	0.074	0.500	10		2/20/2009 19:09	AD
Nitrite	0.053U		mg/L-N	0.053	0.500	10		2/20/2009 19:09	AD
Sulfate	34.2		mg/L	0.755	5.00	10		2/20/2009 19:09	AD

Preparation Method: BOD PREP Analytical Method: SM 5210B BOD

BOD	2.0U	J	mg/L	2.0	2.0	1	2/20/2009 19:30	2/25/2009 09:45	LG
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Analytical Method: SM 2150 B

Odor	16.0		TON	1	1	1		2/20/2009 07:10	ZE
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Preparation Method: SM 5540 C Analytical Method: SM 5540 C

Surfactants	0.124l		mg/L-LAS	0.040	0.200	1	2/20/2009 10:40	2/20/2009 10:40	AR
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Analytical Method: EPA 365.1

Ortho Phosphate - P	2.82		mg/L-P	0.027	0.075	5		2/20/2009 13:33	TA
Total Phosphorus	2.72		mg/L	0.022	0.075	5	2/24/2009 08:30	2/24/2009 12:28	ZE

Analytical Method: SM4500H-B

pH	7.21		pH unit	0.100	0.100	1		2/24/2009 12:55	AD
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EDB Analysis

Preparation Method: EPA 504.1 Analytical Method: EPA 504.1

1,2-Dibromo-3-chloropropane	0.00310U		ug/L	0.00310	0.020	1	2/23/2009 17:00	2/23/2009 23:14	LR
1,2-Dibromoethane	0.00640U		ug/L	0.00640	0.010	1	2/23/2009 17:00	2/23/2009 23:14	LR
4-Bromofluorobenzene (S)	80		%	70-130		1	2/23/2009 17:00	2/23/2009 23:14	LR

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ANALYTICAL RESULTS

Lab ID: 901840001

Date Received: 2/19/2009

Matrix: Drinking Water

Sample ID: REUSE EFFLUENT/

Date Collected: 2/19/2009

Parameters	Results	Qual	Units	MDL	PQL	DF	Prepared	Analyzed	By
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INORGANICS

Preparation Method: EPA 245.1		Analytical Method: EPA 245.1							
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Mercury	0.000056U		mg/L	0.000056	0.00020	1	2/23/2009 11:30	2/23/2009 15:54	IT
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Preparation Method: EPA 200.7		Analytical Method: EPA 200.7							
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Aluminum	0.046U		mg/L	0.046	0.20	1	2/20/2009 11:00	2/23/2009 22:20	TB
Chromium	0.00363I		mg/L	0.0011	0.0050	1	2/20/2009 11:00	2/24/2009 14:28	TB
Copper	0.0096U		mg/L	0.0096	0.020	1	2/20/2009 11:00	2/24/2009 14:28	TB
Iron	0.172		mg/L	0.045	0.10	1	2/20/2009 11:00	2/23/2009 22:20	TB
Nickel	0.0052U		mg/L	0.0052	0.010	1	2/20/2009 11:00	2/23/2009 22:20	TB
Silver	0.0016U		mg/L	0.0016	0.020	1	2/20/2009 11:00	2/24/2009 14:28	TB
Sodium	78.0		mg/L	0.074	0.25	1	2/20/2009 11:00	2/24/2009 14:28	TB
Zinc	0.0285		mg/L	0.0053	0.025	1	2/20/2009 11:00	2/24/2009 14:28	TB

Preparation Method: EPA 200.8		Analytical Method: EPA 200.8							
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Antimony	0.0010U		mg/L	0.0010	0.0020	1	2/20/2009 11:00	2/24/2009 00:16	DF
Arsenic	0.0016U		mg/L	0.0016	0.0040	1	2/20/2009 11:00	2/24/2009 00:16	DF
Barium	0.00645		mg/L	0.0015	0.0040	1	2/20/2009 11:00	2/24/2009 00:16	DF
Beryllium	0.00085U		mg/L	0.00085	0.0020	1	2/20/2009 11:00	2/24/2009 00:16	DF
Cadmium	0.00011U		mg/L	0.00011	0.0020	1	2/20/2009 11:00	2/24/2009 00:16	DF
Lead	0.00075U		mg/L	0.00075	0.0020	1	2/20/2009 11:00	2/24/2009 00:16	DF
Manganese	0.0123		mg/L	0.0011	0.0020	1	2/20/2009 11:00	2/24/2009 00:16	DF
Selenium	0.00082U		mg/L	0.00082	0.0020	1	2/20/2009 11:00	2/24/2009 00:16	DF
Thallium	0.00027U		mg/L	0.00027	0.0020	1	2/20/2009 11:00	2/24/2009 00:16	DF

Wet Chemistry - Subcontract

Analytical Method: EPA 100.2									
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Asbestos	0.18U	1	MFL	0.18	0.18	1		2/28/2009 12:00	SU
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Semivolatiles

Preparation Method: EPA 625		Analytical Method: EPA 625							
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2,4,6-Trichlorophenol	0.27U		ug/L	0.27	1.0	1	2/20/2009 09:00	2/23/2009 15:18	TB
2-Chlorophenol	0.22U		ug/L	0.22	4.0	1	2/20/2009 09:00	2/23/2009 15:18	TB
Anthracene	0.25U		ug/L	0.25	1.0	1	2/20/2009 09:00	2/23/2009 15:18	TB
Butyl benzyl phthalate	0.36U		ug/L	0.36	1.0	1	2/20/2009 09:00	2/23/2009 15:18	TB
Dimethyl phthalate	0.31U		ug/L	0.31	1.0	1	2/20/2009 09:00	2/23/2009 15:18	TB
Naphthalene	0.34U		ug/L	0.34	1.0	1	2/20/2009 09:00	2/23/2009 15:18	TB
Phenanthrene	0.29U		ug/L	0.29	1.0	1	2/20/2009 09:00	2/23/2009 15:18	TB
Phenol	0.41U		ug/L	0.41	1.0	1	2/20/2009 09:00	2/23/2009 15:18	TB

Preparation Method: EPA 625		Analytical Method: Semi-volatile Mass Spec Scan							
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2,3,7,8-TCDD	ND	2	ug/L			1	2/20/2009 09:00	2/24/2009 15:29	TB
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Preparation Method: EPA 625		Analytical Method: EPA 625							
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Nitrobenzene-d5 (S)	84		%	10-117		1	2/20/2009 09:00	2/23/2009 15:18	TB
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ANALYTICAL RESULTS

Lab ID: 901840001
Sample ID: REUSE EFFLUENT/

Date Received: 2/19/2009 Matrix: Drinking Water
Date Collected: 2/19/2009

Parameters	Results	Qual	Units	MDL	PQL	DF	Prepared	Analyzed	By
2-Fluorobiphenyl (S)	81		%	10-112		1	2/20/2009 09:00	2/23/2009 15:18	TB
Terphenyl-d14 (S)	106		%	20-146		1	2/20/2009 09:00	2/23/2009 15:18	TB
Phenol-d6 (S)	31		%	10-59		1	2/20/2009 09:00	2/23/2009 15:18	TB
2-Fluorophenol (S)	53		%	24-64		1	2/20/2009 09:00	2/23/2009 15:18	TB
2,4,6-Tribromophenol (S)	104		%	52-121		1	2/20/2009 09:00	2/23/2009 15:18	TB

Pesticides

Preparation Method: EPA 608		Analytical Method: EPA 608							
Aldrin	0.00139U		ug/L	0.00139	0.050	1	2/23/2009 15:30	2/25/2009 04:17	SB
Dieldrin	0.00170U	4	ug/L	0.00170	0.050	1	2/23/2009 15:30	2/25/2009 04:17	SB
Tetrachloro-m-xylene (S)	48		%	32-137		1	2/23/2009 15:30	2/25/2009 04:17	SB
Decachlorobiphenyl (S)	39		%	25-165		1	2/23/2009 15:30	2/25/2009 04:17	SB

Synthetic Organics

Preparation Method: EPA 531.1		Analytical Method: EPA 531.1							
Carbofuran	0.25U	3	ug/L	0.25	2.0	1	2/25/2009 15:30	2/28/2009 09:58	SU
Oxamyl	0.18U		ug/L	0.18	2.0	1	2/25/2009 15:30	2/28/2009 09:58	SU

Preparation Method: EPA 508.1		Analytical Method: EPA 508.1							
Alachlor	0.058U	3	ug/L	0.058	0.21	1	2/26/2009 10:00	2/26/2009 22:34	SU
Atrazine (Aatrex)	0.027U		ug/L	0.027	0.11	1	2/26/2009 10:00	2/26/2009 22:34	SU
gamma-BHC (Lindane)	0.0053U		ug/L	0.0053	0.021	1	2/26/2009 10:00	2/26/2009 22:34	SU
Chlordane(Technical)	0.037U		ug/L	0.037	0.21	1	2/26/2009 10:00	2/26/2009 22:34	SU
Endrin	0.0021U		ug/L	0.0021	0.011	1	2/26/2009 10:00	2/26/2009 22:34	SU
Heptachlor	0.0084U		ug/L	0.0084	0.042	1	2/26/2009 10:00	2/26/2009 22:34	SU
Heptachlor epoxide	0.0042U		ug/L	0.0042	0.021	1	2/26/2009 10:00	2/26/2009 22:34	SU
Hexachlorobenzene	0.026U		ug/L	0.026	0.11	1	2/26/2009 10:00	2/26/2009 22:34	SU
Hexachlorocyclopentadiene	0.022U		ug/L	0.022	0.11	1	2/26/2009 10:00	2/26/2009 22:34	SU
Methoxychlor	0.022U		ug/L	0.022	0.11	1	2/26/2009 10:00	2/26/2009 22:34	SU
Simazine (Princep)	0.026U		ug/L	0.026	0.074	1	2/26/2009 10:00	2/26/2009 22:34	SU
Toxaphene	0.23U		ug/L	0.23	1.1	1	2/26/2009 10:00	2/26/2009 22:34	SU
Polychlorinated Biphenyls-PCBS	0.11U		ug/L	0.11	0.11	1	2/26/2009 10:00	2/26/2009 22:34	SU

Preparation Method: EPA 515.3		Analytical Method: EPA 515.3							
2,4-D	0.030U	3	ug/L	0.030	0.10	1	2/26/2009 09:00	2/27/2009 16:18	SU
Dalapon	0.66U		ug/L	0.66	1.0	1	2/26/2009 09:00	2/27/2009 16:18	SU
Dinoseb	0.090U		ug/L	0.090	0.20	1	2/26/2009 09:00	2/27/2009 16:18	SU
Pentachlorophenol	0.010U		ug/L	0.010	0.040	1	2/26/2009 09:00	2/27/2009 16:18	SU
Picloram	0.010U		ug/L	0.010	0.10	1	2/26/2009 09:00	2/27/2009 16:18	SU
2,4,5-TP (Silvex)	0.080U		ug/L	0.080	0.20	1	2/26/2009 09:00	2/27/2009 16:18	SU

Analytical Method: EPA 547									
Glyphosate	2.4U	3	ug/L	2.4	6.0	1		2/24/2009 03:55	SU

Preparation Method: EPA 548.1		Analytical Method: EPA 548.1							
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ANALYTICAL RESULTS

Lab ID: 901840001

Date Received: 2/19/2009

Matrix: Drinking Water

Sample ID: REUSE EFFLUENT/

Date Collected: 2/19/2009

Parameters	Results	Qual	Units	MDL	PQL	DF	Prepared	Analyzed	By
Endothall	0.28U	3	ug/L	0.28	9.0	1	2/28/2009 09:00	2/28/2009 18:06	SU

Preparation Method: EPA 549.2 Analytical Method: EPA 549.2

Diquat	0.22U	3	ug/L	0.22	0.40	1	2/25/2009 15:20	2/26/2009 19:46	SU
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Preparation Method: EPA 525.2 Analytical Method: EPA 525.2

Benzo(a)pyrene	0.020U	3	ug/L	0.020	0.10	1	2/26/2009 13:00	2/27/2009 05:15	SU
Di(2-ethylhexyl)adipate	0.40U	3	ug/L	0.40	1.7	1	2/26/2009 13:00	2/27/2009 05:15	SU
Bis(2-Ethylhexyl)phthalate	1.60I	V,3,I	ug/L	0.52	2.1	1	2/26/2009 13:00	2/27/2009 05:15	SU

Volatiles

Analytical Method: EPA 624

1,2-Dichlorobenzene	0.584U		ug/L	0.584	1.00	1		2/21/2009 14:19	LN
Chloroethane	0.710U		ug/L	0.710	1.00	1		2/21/2009 14:19	LN
Chloroform	18.0		ug/L	0.572	1.00	1		2/21/2009 14:19	LN
cis-1,2-Dichloroethene	0.442U		ug/L	0.442	1.00	1		2/21/2009 14:19	LN
trans-1,2-Dichloroethene	0.410U		ug/L	0.410	1.00	1		2/21/2009 14:19	LN

Analytical Method: EPA 524.2

1,1,1-Trichloroethane	0.132U		ug/L	0.132	0.500	1		2/21/2009 06:12	LN
1,1,2-Trichloroethane	0.088U		ug/L	0.088	0.500	1		2/21/2009 06:12	LN
1,1-Dichloroethane	0.075U		ug/L	0.075	0.500	1		2/21/2009 06:12	LN
1,1-Dichloroethene	0.086U		ug/L	0.086	0.500	1		2/21/2009 06:12	LN
1,2,4-Trichlorobenzene	0.117U		ug/L	0.117	0.500	1		2/21/2009 06:12	LN
1,2-Dichlorobenzene	0.076U		ug/L	0.076	0.500	1		2/21/2009 06:12	LN
1,2-Dichloroethane	0.070U		ug/L	0.070	0.500	1		2/21/2009 06:12	LN
1,2-Dichloropropane	0.093U		ug/L	0.093	0.500	1		2/21/2009 06:12	LN
1,4-Dichlorobenzene	0.970		ug/L	0.150	0.500	1		2/21/2009 06:12	LN
Benzene	0.077U		ug/L	0.077	0.500	1		2/21/2009 06:12	LN
Bromodichloromethane	4.88		ug/L	0.091	0.50	1		2/21/2009 06:12	LN
Bromoform	0.15U		ug/L	0.15	0.50	1		2/21/2009 06:12	LN
Carbon tetrachloride	0.134U		ug/L	0.134	0.500	1		2/21/2009 06:12	LN
Chlorobenzene	0.113U		ug/L	0.113	0.500	1		2/21/2009 06:12	LN
Chloroform	16.2		ug/L	0.077	0.50	1		2/21/2009 06:12	LN
Dibromochloromethane	1.62		ug/L	0.15	0.50	1		2/21/2009 06:12	LN
Ethylbenzene	0.070U		ug/L	0.070	0.500	1		2/21/2009 06:12	LN
Methylene chloride	0.117U		ug/L	0.117	0.500	1		2/21/2009 06:12	LN
Styrene	0.040U		ug/L	0.040	0.500	1		2/21/2009 06:12	LN
Tetrachloroethene	0.390I		ug/L	0.148	0.500	1		2/21/2009 06:12	LN
Toluene	0.140U		ug/L	0.140	0.500	1		2/21/2009 06:12	LN
Trichloroethene	0.121U		ug/L	0.121	0.500	1		2/21/2009 06:12	LN
Total Trihalomethanes	22.7		ug/L	0.47	2.0	1		2/21/2009 06:12	LN
Vinyl chloride	0.120U		ug/L	0.120	0.500	1		2/21/2009 06:12	LN
Xylene, m,p-	0.134U		ug/L	0.134	0.500	1		2/21/2009 06:12	LN
Xylene, o-	0.083U		ug/L	0.083	0.500	1		2/21/2009 06:12	LN
Xylenes (total)	0.210U		ug/L	0.210	0.500	1		2/21/2009 06:12	LN

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ANALYTICAL RESULTS

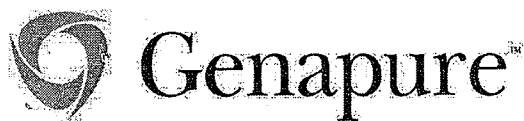
Lab ID: 901840001
Sample ID: REUSE EFFLUENT/

Date Received: 2/19/2009 Matrix: Drinking Water
Date Collected: 2/19/2009

Parameters	Results	Qual	Units	MDL	PQL	DF	Prepared	Analyzed	By
cis-1,2-Dichloroethene	0.085U		ug/L	0.085	0.500	1		2/21/2009 06:12	LN
trans-1,2-Dichloroethene	0.087U		ug/L	0.087	0.500	1		2/21/2009 06:12	LN
Analytical Method: EPA 624									
4-Bromofluorobenzene (S)	95		%	64-130		1		2/21/2009 14:19	LN
Dibromofluoromethane (S)	117		%	69-134		1		2/21/2009 14:19	LN
Toluene d8 (S)	100		%	63-127		1		2/21/2009 14:19	LN
Analytical Method: EPA 524.2									
4-Bromofluorobenzene (S)	88		%	70-130		1		2/21/2009 06:12	LN
1,2-Dichlorobenzene-d4 (S)	95		%	70-130		1		2/21/2009 06:12	LN

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ANALYTICAL RESULTS

Lab ID: 901840002
Sample ID: TRIP BLANK/

Date Received: 2/19/2009 Matrix: DI Water
Date Collected: 2/14/2009

Parameters	Results	Qual	Units	MDL	PQL	DF	Prepared	Analyzed	By
Volatiles									
Analytical Method: EPA 524.2									
1,1,1-Trichloroethane	0.132U		ug/L	0.132	0.500	1		2/21/2009 01:59	LN
1,1,2-Trichloroethane	0.088U		ug/L	0.088	0.500	1		2/21/2009 01:59	LN
1,1-Dichloroethane	0.075U		ug/L	0.075	0.500	1		2/21/2009 01:59	LN
1,1-Dichloroethene	0.086U		ug/L	0.086	0.500	1		2/21/2009 01:59	LN
1,2,4-Trichlorobenzene	0.117U		ug/L	0.117	0.500	1		2/21/2009 01:59	LN
1,2-Dichlorobenzene	0.076U		ug/L	0.076	0.500	1		2/21/2009 01:59	LN
1,2-Dichloroethane	0.070U		ug/L	0.070	0.500	1		2/21/2009 01:59	LN
1,2-Dichloropropane	0.093U		ug/L	0.093	0.500	1		2/21/2009 01:59	LN
1,4-Dichlorobenzene	0.150U		ug/L	0.150	0.500	1		2/21/2009 01:59	LN
Benzene	0.077U		ug/L	0.077	0.500	1		2/21/2009 01:59	LN
Bromodichloromethane	0.091U		ug/L	0.091	0.50	1		2/21/2009 01:59	LN
Bromoform	0.15U		ug/L	0.15	0.50	1		2/21/2009 01:59	LN
Carbon tetrachloride	0.134U		ug/L	0.134	0.500	1		2/21/2009 01:59	LN
Chlorobenzene	0.113U		ug/L	0.113	0.500	1		2/21/2009 01:59	LN
Chloroform	0.077U		ug/L	0.077	0.50	1		2/21/2009 01:59	LN
Dibromochloromethane	0.15U		ug/L	0.15	0.50	1		2/21/2009 01:59	LN
Ethylbenzene	0.070U		ug/L	0.070	0.500	1		2/21/2009 01:59	LN
Methylene chloride	0.117U		ug/L	0.117	0.500	1		2/21/2009 01:59	LN
Styrene	0.040U		ug/L	0.040	0.500	1		2/21/2009 01:59	LN
Tetrachloroethene	0.148U		ug/L	0.148	0.500	1		2/21/2009 01:59	LN
Toluene	0.140U		ug/L	0.140	0.500	1		2/21/2009 01:59	LN
Trichloroethene	0.121U		ug/L	0.121	0.500	1		2/21/2009 01:59	LN
Total Trihalomethanes	0.47U		ug/L	0.47	2.0	1		2/21/2009 01:59	LN
Vinyl chloride	0.120U		ug/L	0.120	0.500	1		2/21/2009 01:59	LN
Xylene, m,p-	0.134U		ug/L	0.134	0.500	1		2/21/2009 01:59	LN
Xylene, o-	0.083U		ug/L	0.083	0.500	1		2/21/2009 01:59	LN
Xylenes (total)	0.210U		ug/L	0.210	0.500	1		2/21/2009 01:59	LN
cis-1,2-Dichloroethene	0.085U		ug/L	0.085	0.500	1		2/21/2009 01:59	LN
trans-1,2-Dichloroethene	0.087U		ug/L	0.087	0.500	1		2/21/2009 01:59	LN
4-Bromofluorobenzene (S)	86		%	70-130		1		2/21/2009 01:59	LN
1,2-Dichlorobenzene-d4 (S)	95		%	70-130		1		2/21/2009 01:59	LN

EDB Analysis

Preparation Method: EPA 504		Analytical Method: EPA 504							
1,2-Dibromo-3-chloropropane	0.00310U		ug/L	0.00310	0.020	1	2/23/2009 17:00	2/23/2009 23:37	LR
1,2-Dibromoethane	0.00640U		ug/L	0.00640	0.010	1	2/23/2009 17:00	2/23/2009 23:37	LR
4-Bromofluorobenzene (S)	81		%	70-130		1	2/23/2009 17:00	2/23/2009 23:37	LR

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ANALYTICAL RESULTS QUALIFIERS

PARAMETER QUALIFIERS

- I Estimated value; between MDL and PQL
- J Estimated value.
- V Present in blank.
- [1] E86772
- [2] The reported analyte is not NELAC certified
- [3] E83079
- [4] NCR-% difference of results from primary and secondary columns is >40%, possible due to matrix interference.
Detection limit elevated above lowest concentration.

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CASE NARRATIVE

Sample Analysis Comments

Lab ID 901840001 Client ID REUSE EFFLUENT

Analyte/2,3,7,8-TCDD

The reported analyte is not NELAC certified

Analyte/2,4-D

[3] E83079

Analyte/Alachlor

[3] E83079

Analyte/Asbestos

[1] E86772

Analyte/Benzo(a)pyrene

[3] E83079

Analyte/Bis(2-Ethylhexyl)phthalate

[3] E83079

I = Estimated value; between MDL and PQL

V = Present in blank.

Analyte/Carbofuran

[3] E83079

Analyte/Di(2-ethylhexyl)adipate

[3] E83079

Analyte/Dieldrin

NCR-% difference of results from primary and secondary columns is >40%, possible due to matrix interference. Detection limit elevated above lowest concentration.

Analyte/Diquat

[3] E83079

Analyte/Endothall

[3] E83079

Analyte/Glyphosate

[3] E83079

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QUALITY CONTROL DATA

QC Batch: EXT0/1744

Analysis Method: EPA 625

QC Batch Method: EPA 625

Associated Lab Samples: 901780001 901839001 901840001 901842001 901843002 901850001
901850002 901850003

METHOD BLANK: 17506

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Semivolatiles			
Anthracene	ug/L	0.25U	0.25
Benzo(a)pyrene	ug/L	0.31U	0.31
Bis(2-Ethylhexyl)phthalate	ug/L	0.20U	0.20
Butyl benzyl phthalate	ug/L	0.36U	0.36
1,2-Dichlorobenzene	ug/L	0.34U	0.34
1,4-Dichlorobenzene	ug/L	0.28U	0.28
Dimethyl phthalate	ug/L	0.31U	0.31
Hexachlorobenzene	ug/L	0.32U	0.32
Hexachlorocyclopentadiene	ug/L	0.74U	0.74
Naphthalene	ug/L	0.34U	0.34
Phenanthrene	ug/L	0.29U	0.29
1,2,4-Trichlorobenzene	ug/L	0.23U	0.23
2-Chlorophenol	ug/L	0.22U	0.22
Pentachlorophenol	ug/L	0.67U	0.67
Phenol	ug/L	0.41U	0.41
2,4,6-Trichlorophenol	ug/L	0.27U	0.27
Nitrobenzene-d5 (S)	%	83	10-117
2-Fluorobiphenyl (S)	%	83	10-112
Terphenyl-d14 (S)	%	111	20-146
Phenol-d6 (S)	%	33	10-59
2-Fluorophenol (S)	%	46	24-64
2,4,6-Tribromophenol (S)	%	95	52-121

LABORATORY CONTROL SAMPLE: 17507

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
Semivolatiles					
Anthracene	ug/L	50	45.4	91	27-133
Benzo(a)pyrene	ug/L	50	44.4	89	17-163
Butyl benzyl phthalate	ug/L	50	52.7	105	0-152
Bis(2-Ethylhexyl)phthalate	ug/L	50	57.9	116	8-158
1,2-Dichlorobenzene	ug/L	50	33.9	68	32-129
Dimethyl phthalate	ug/L	50	44.9	90	0-112
Hexachlorobenzene	ug/L	50	42.6	85	0-152
Hexachlorocyclopentadiene	ug/L	50	22.2	44	10-115
Naphthalene	ug/L	50	37.3	75	21-133
Phenanthrene	ug/L	50	43.9	88	54-120
2,4,6-Trichlorophenol	ug/L	50	40.6	81	37-144

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QUALITY CONTROL DATA

LABORATORY CONTROL SAMPLE: 17507

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenol	ug/L	50	18.3	37	5-112	
2-Chlorophenol	ug/L	50	34.5	69	23-134	
1,4-Dichlorobenzene	ug/L	50	33.9	68	20-124	
1,2,4-Trichlorobenzene	ug/L	50	35.1	70	44-142	
Pentachlorophenol	ug/L	50	48.4	97	14-176	
Nitrobenzene-d5 (S)	%			82	39-117	
2-Fluorobiphenyl (S)	%			83	40-112	
Terphenyl-d14 (S)	%			112	31-146	
Phenol-d6 (S)	%			39	10-59	
2-Fluorophenol (S)	%			49	24-64	
2,4,6-Tribromophenol (S)	%			102	52-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17508

17509

Original: 901791008

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Qualifiers
Semivolatiles										
Anthracene	ug/L	0.0575	50	42.2	43.2	84	86	27-133	2	20
Benzo(a)pyrene	ug/L	0.0785	50	42.2	43.7	84	87	17-163	4	20
Butyl benzyl phthalate	ug/L	0	50	51.0	50.9	102	102	0-152	0	20
Bis(2-Ethylhexyl)phthalate	ug/L	0	50	55.1	54.6	110	109	8-158	0.9	20
1,2-Dichlorobenzene	ug/L	0	50	31.4	32.1	63	64	32-129	2	20
Dimethyl phthalate	ug/L	0.0703	50	41.5	42.9	83	86	0-112	4	20
Hexachlorobenzene	ug/L	0	50	39.1	39.4	78	79	0-152	1	20
Hexachlorocyclopentadiene	ug/L	0	50	18.4	19.9	37	40	10-115	8	20
Naphthalene	ug/L	0	50	33.7	33.9	67	68	21-133	1	20
Phenanthrene	ug/L	0.0608	50	41.5	41.9	83	84	54-120	1	20
2,4,6-Trichlorophenol	ug/L	0	50	37.5	38.8	75	78	37-144	4	20
Phenol	ug/L	0	50	16.9	16.9	34	34	5-112	0	20
2-Chlorophenol	ug/L	0	50	31.3	32.9	63	66	23-134	5	20
1,4-Dichlorobenzene	ug/L	0	50	30.4	31.5	61	63	20-124	3	20
1,2,4-Trichlorobenzene	ug/L	0	50	31.4	32.6	63	65	44-142	3	20
Pentachlorophenol	ug/L	0	50	46.9	46.3	94	93	14-176	1	20
Nitrobenzene-d5 (S)	%					74	74	39-117	0	
2-Fluorobiphenyl (S)	%					76	80	40-112	5	
Terphenyl-d14 (S)	%					106	105	31-146	0.9	
Phenol-d6 (S)	%					36	36	10-59	0	
2-Fluorophenol (S)	%					46	47	24-64	2	
2,4,6-Tribromophenol (S)	%					97	93	52-121	4	

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QUALITY CONTROL DATA

QC Batch: EXT0/1746

Analysis Method: EPA 504

QC Batch Method: EPA 504

Associated Lab Samples:	901742001	901742002	901780001	901780002	901835001	901835003
	901838001	901838002	901840001	901840002	901842001	901852001
	901852002	901852003	901872001	901872002	901873001	901873002

METHOD BLANK: 17514

Parameter	Units	Blank Result	Reporting Limit Qualifiers
EDB Analysis			
1,2-Dibromo-3-chloropropane	ug/L	0.00310U	0.00310
1,2-Dibromoethane	ug/L	0.00640U	0.00640
4-Bromofluorobenzene (S)	%	78	70-130

LABORATORY CONTROL SAMPLE & LCSD: 17515 17516

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
EDB Analysis									
1,2-Dibromo-3-chloropropane	ug/L	0.252	0.278	0.287	110	114	72-150	4	20
1,2-Dibromoethane	ug/L	0.252	0.288	0.288	114	114	78-142	0	20
4-Bromofluorobenzene (S)	%				78	77	70-130	1	20

MATRIX SPIKE SAMPLE: 17517

Original: 901791009

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits Qualifiers
EDB Analysis						
1,2-Dibromo-3-chloropropane	ug/L	0	0.252	0.287	114	70-130
1,2-Dibromoethane	ug/L	0	0.252	0.288	114	70-130
4-Bromofluorobenzene (S)	%				76	70-130

SAMPLE DUPLICATE: 17518

Original: 901742001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
EDB Analysis					
1,2-Dibromo-3-chloropropane	ug/L	0.00310U	0.00310U	0	
1,2-Dibromoethane	ug/L	0.00640U	0.00640U	0	
4-Bromofluorobenzene (S)	%	76	72	6	

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QUALITY CONTROL DATA

QC Batch: MISC/1114 Analysis Method: SM 2150 B

QC Batch Method: SM 2150 B

Associated Lab Samples: 901835002 901840001 901842001 901852001 901852002

METHOD BLANK: 17677

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Wet Chemistry Odor	TON	1U	1	

SAMPLE DUPLICATE: 17678

Original: 901840001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Wet Chemistry Odor	TON	16.0	16.0	0	20	

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QUALITY CONTROL DATA

QC Batch: LACH/1768 Analysis Method: EPA 365.1

QC Batch Method: EPA 365.1

Associated Lab Samples: 901818001 901822001 901840001 901842001

METHOD BLANK: 17679

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Wet Chemistry Ortho Phosphate - P	mg/L-P	0.005U	0.005

LABORATORY CONTROL SAMPLE & LCSD: 17680 17681

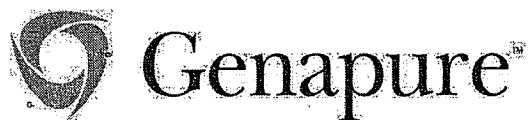
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
Wet Chemistry Ortho Phosphate - P	mg/L-P	0.5	0.520	0.521	104	104	90-110	0	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17682 17683 Original: 901818001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD RPD Qualifiers
Wet Chemistry Ortho Phosphate - P	mg/L-P	0.247	0.5	0.768	0.770	104	105	90-110	1 20

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QUALITY CONTROL DATA

QC Batch: HACH/1120 Analysis Method: SM 2120B Color
QC Batch Method: SM 2120B Color
Associated Lab Samples: 901780001 901835001 901840001 901842001

METHOD BLANK: 17684

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
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Wet Chemistry Color (True/Apparent)	pcu	5.0U	5.0	
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SAMPLE DUPLICATE: 17685

Original: 901780001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
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Wet Chemistry Color (True/Apparent)	pcu	300	300	0	20	
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QUALITY CONTROL DATA

QC Batch: DIGM/1602

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Associated Lab Samples: 901823001 901826001 901827001 901828002 901828004 901829001
901835001 901838001 901840001 901842001 901850001 901850002
901850003

METHOD BLANK: 17690

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Aluminum	mg/L	0.046U	0.046
Chromium	mg/L	0.0011U	0.0011
Copper	mg/L	0.0096U	0.0096
Iron	mg/L	0.045U	0.045
Nickel	mg/L	0.0052U	0.0052
Silver	mg/L	0.0016U	0.0016
Sodium	mg/L	0.074U	0.074
Zinc	mg/L	0.0053U	0.0053

LABORATORY CONTROL SAMPLE: 17691

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
Aluminum	mg/L	5	5.16	103	70-130
Chromium	mg/L	1	1.05	105	70-130
Copper	mg/L	1	1.06	106	70-130
Iron	mg/L	5	5.34	107	70-130
Nickel	mg/L	1	1.05	105	70-130
Silver	mg/L	0.5	0.577	115	70-130
Sodium	mg/L	25	27.4	109	70-130
Zinc	mg/L	1	1.06	106	70-130

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17692

17693

Original: 901838001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD	Qualifiers
Aluminum	mg/L	0.112	5	5.42	5.45	106	107	70-130	0.9	20	
Chromium	mg/L	0.00445	1	1.06	1.08	105	107	70-130	2	20	
Copper	mg/L	0.00733	1	1.07	1.08	107	108	70-130	0.9	20	
Iron	mg/L	0.193	5	5.50	5.38	106	104	70-130	2	20	
Nickel	mg/L	0.00367	1	1.04	1.05	104	105	70-130	1	20	
Silver	mg/L	-0.00322	0.5	0.605	0.580	121	116	70-130	4	20	
Sodium	mg/L	238	25	257	252	80	58	70-130	32	20	
Zinc	mg/L	0.0633	1	1.14	1.16	107	109	70-130	2	20	

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QUALITY CONTROL DATA

QC Batch: DIGM/1603

Analysis Method: EPA 200.8

QC Batch Method: EPA 200.8

Associated Lab Samples:	901738001	901738002	901742001	901742002	901802001	901835001
	901838001	901839001	901840001	901842001	901843002	901850001
	901850002	901850003				

METHOD BLANK: 17694

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Antimony	mg/L	0.0010U	0.0010	
Arsenic	mg/L	0.0016U	0.0016	
Barium	mg/L	0.0015U	0.0015	
Beryllium	mg/L	0.00085U	0.00085	
Cadmium	mg/L	0.00011U	0.00011	
Lead	mg/L	0.00075U	0.00075	
Manganese	mg/L	0.0011U	0.0011	
Selenium	mg/L	0.00082U	0.00082	
Thallium	mg/L	0.00027U	0.00027	

LABORATORY CONTROL SAMPLE: 17695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.2	0.216	108	85-115	
Arsenic	mg/L	0.2	0.207	104	85-115	
Barium	mg/L	0.2	0.204	102	85-115	
Beryllium	mg/L	0.2	0.208	104	85-115	
Cadmium	mg/L	0.2	0.202	101	85-115	
Lead	mg/L	0.2	0.214	107	85-115	
Manganese	mg/L	0.2	0.210	105	85-115	
Selenium	mg/L	0.2	0.199	100	85-115	
Thallium	mg/L	0.2	0.211	106	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17696

17697

Original: 901838001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Antimony	mg/L			0.214	0.222						Q
Arsenic	mg/L			0.200	0.205						Q
Barium	mg/L	0.00704	0.2	0.201	0.208	97	101	70-130	4	20	Q
Beryllium	mg/L			0.202	0.207						Q
Cadmium	mg/L			0.188	0.198						Q
Lead	mg/L			0.212	0.215						Q
Manganese	mg/L	0.0177	0.2	0.207	0.208	95	95	70-130	0	20	Q
Selenium	mg/L			0.187	0.195						Q

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QUALITY CONTROL DATA

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17696

17697

Original: 901838001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	RPD	Qualifiers
Thallium	mg/L			0.209	0.210						Q

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QUALITY CONTROL DATA

QC Batch: MSV/1447

Analysis Method: EPA 624

QC Batch Method: EPA 624

Associated Lab Samples: 901840001 901843001 901850001 901850004 901852001 901853005

METHOD BLANK: 17702

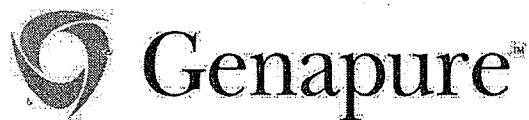
Parameter	Units	Blank Result	Reporting Limit Qualifiers
Volatiles			
Acrolein	ug/L	2.47U	2.47
Dichlorodifluoromethane	ug/L	0.525U	0.525
Chloromethane	ug/L	0.524U	0.524
Vinyl chloride	ug/L	0.506U	0.506
Bromomethane	ug/L	0.427U	0.427
Chloroethane	ug/L	0.710U	0.710
Trichlorofluoromethane	ug/L	0.493U	0.493
1,1-Dichloroethene	ug/L	0.640U	0.640
Acetone	ug/L	5.92I	1.43 J
Methylene chloride	ug/L	0.240U	0.240
trans-1,2-Dichloroethene	ug/L	0.410U	0.410
Acrylonitrile	ug/L	0.955U	0.955
1,1-Dichloroethane	ug/L	0.410U	0.410
cis-1,2-Dichloroethene	ug/L	0.442U	0.442
2-Butanone	ug/L	4.28U	4.28
Chloroform	ug/L	0.572U	0.572
1,1,1-Trichloroethane	ug/L	0.680U	0.680
Carbon tetrachloride	ug/L	0.468U	0.468
Benzene	ug/L	0.621U	0.621
1,2-Dichloroethane	ug/L	0.897U	0.897
Trichloroethene	ug/L	0.821U	0.821
1,2-Dichloropropane	ug/L	0.725U	0.725
2-Chloroethylvinyl ether	ug/L	0.466U	0.466
Bromodichloromethane	ug/L	0.140U	0.140
cis-1,3-Dichloropropene	ug/L	0.664U	0.664
4-Methyl-2-pentanone	ug/L	0.220U	0.220
Toluene	ug/L	0.389U	0.389
trans-1,3-Dichloropropene	ug/L	0.522U	0.522
1,1,2-Trichloroethane	ug/L	0.840U	0.840
Tetrachloroethene	ug/L	0.312U	0.312
Dibromochloromethane	ug/L	0.378U	0.378
Chlorobenzene	ug/L	0.316U	0.316
1,1,1,2-Tetrachloroethane	ug/L	0.120U	0.120
Ethylbenzene	ug/L	0.323U	0.323
Bromoform	ug/L	0.486U	0.486
1,1,2,2-Tetrachloroethane	ug/L	0.570U	0.570
1,4-Dichlorobenzene	ug/L	0.537U	0.537
n-Butylbenzene	ug/L	0Y	
1,2-Dichlorobenzene	ug/L	0.584U	0.584
Naphthalene	ug/L	0.417U	0.417
Methyl-t-butyl ether	ug/L	0.650U	0.650
Xylene, m,p-	ug/L	0.639U	0.639
Xylene, o-	ug/L	0.341U	0.341

Report ID: 901840 - 4599317

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QUALITY CONTROL DATA

METHOD BLANK: 17702

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,2,4-Trimethylbenzene	ug/L	0.272U	0.272	
1,3,5-Trimethylbenzene	ug/L	0.202U	0.202	
1,3-Dichloropropane	ug/L	0Y		
cis-1,4-Dichloro-2-Butene	ug/L	0Y		
1,1-Dichloropropene	ug/L	0.630U	0.630	
2-Hexanone	ug/L	0Y		
2,2-Dichloropropane	ug/L	0Y		
Ethyl tert-butyl ether (ETBE)	ug/L	0Y		
n-Butyl alcohol	ug/L	8.50U	8.50	
Methyl iodide	ug/L	0Y		
Dibromomethane	ug/L	0.739U	0.739	
Bromochloromethane	ug/L	0Y		
Carbon disulfide	ug/L	0Y		
t-Butanol (TBA)	ug/L	0Y		
Trichlorotrifluoroethane	ug/L	0Y		
1,2,3-Trichlorobenzene	ug/L	0Y		
sec-Butylbenzene	ug/L	0Y		
1,4 Dioxane	ug/L	0Y		
1,2,4-Trichlorobenzene	ug/L	0.538U	0.538	
trans-1,4-Dichloro-2-butene	ug/L	0Y		
Bromobenzene	ug/L	0Y		
diisopropyl Ether (DIPE)	ug/L	0Y		
Vinyl acetate	ug/L	0Y		
1,2-Dibromoethane	ug/L	0Y		
4-Chlorotoluene	ug/L	0Y		
t-amyl methyl ether (TAME)	ug/L	0Y		
Styrene	ug/L	0.458U	0.458	
n-Propylbenzene	ug/L	0Y		
4-Isopropyltoluene	ug/L	0Y		
Isopropylbenzene (Cumene)	ug/L	0.209U	0.209	
2-Chlorotoluene	ug/L	0Y		
1,2-Dibromo-3-chloropropane	ug/L	0.933U	0.933	
1,2,3-Trichloropropane	ug/L	0Y		
tert-Butylbenzene	ug/L	0Y		
4-Bromofluorobenzene (S)	%	93	64-130	
Dibromofluoromethane (S)	%	111	69-134	
Toluene d8 (S)	%	97	63-127	

LABORATORY CONTROL SAMPLE: 17703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Volatiles						
Acrolein	ug/L	100	63.2	63	2-93	
Dichlorodifluoromethane	ug/L	20	23.0	115	46-174	
Chloromethane	ug/L	20	22.2	111	46-173	

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QUALITY CONTROL DATA

LABORATORY CONTROL SAMPLE: 17703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	20	23.6	118	60-162	
Bromomethane	ug/L	20	18.0	90	33-170	
Chloroethane	ug/L	20	28.1	141	50-163	
Trichlorofluoromethane	ug/L	20	23.7	118	52-173	
1,1-Dichloroethene	ug/L	20	21.7	109	54-157	
Acetone	ug/L	50	57.6	115	70-130	
Methylene chloride	ug/L	20	23.0	115	42-182	
trans-1,2-Dichloroethene	ug/L	20	23.0	115	49-164	
Acrylonitrile	ug/L	100	111	111	3-107	5,J
1,1-Dichloroethane	ug/L	20	22.1	111	60-167	
cis-1,2-Dichloroethene	ug/L	20	20.8	104	51-157	
2-Butanone	ug/L	50	48.4	97	49-145	
Chloroform	ug/L	20	20.5	102	60-164	
1,1,1-Trichloroethane	ug/L	20	20.2	101	45-154	
Carbon tetrachloride	ug/L	20	21.0	105	45-154	
Benzene	ug/L	20	20.0	100	59-158	
1,2-Dichloroethane	ug/L	20	22.1	110	45-166	
Trichloroethene	ug/L	20	20.3	101	59-152	
1,2-Dichloropropane	ug/L	20	21.0	105	65-155	
2-Chloroethylvinyl ether	ug/L	20	19.8	99	2-176	
Bromodichloromethane	ug/L	20	20.3	101	64-146	
cis-1,3-Dichloropropene	ug/L	20	20.9	105	53-146	
4-Methyl-2-pentanone	ug/L	50	50.4	101	70-130	
Toluene	ug/L	20	21.4	107	62-149	
trans-1,3-Dichloropropene	ug/L	20	20.0	100	51-150	
1,1,2-Trichloroethane	ug/L	20	22.7	113	62-159	
Tetrachloroethene	ug/L	20	19.1	96	50-150	
Dibromochloromethane	ug/L	20	20.2	101	51-139	
Chlorobenzene	ug/L	20	20.4	102	64-144	
1,1,1,2-Tetrachloroethane	ug/L	20	20.8	104	70-130	
Ethylbenzene	ug/L	20	21.3	106	59-149	
Bromoform	ug/L	20	15.3	76	16-166	
1,1,2,2-Tetrachloroethane	ug/L	20	18.7	94	52-177	
1,4-Dichlorobenzene	ug/L	20	18.6	93	60-142	
n-Butylbenzene	ug/L	20	19.4	97		
1,2-Dichlorobenzene	ug/L	20	18.8	94	63-139	
Naphthalene	ug/L	20	19.1	96		
Methyl-t-butyl ether	ug/L	20	20.9	105	48-172	
Xylene, m,p-	ug/L	40	43.2	108	57-153	
Xylene, o-	ug/L	20	20.3	101	69-144	
1,2,4-Trimethylbenzene	ug/L	20	20.3	102	70-130	
1,3,5-Trimethylbenzene	ug/L	20	21.1	105	70-130	
1,3-Dichloropropane	ug/L	20	20.3	101		
cis-1,4-Dichloro-2-Butene	ug/L	20	14.2	71		
1,1-Dichloropropene	ug/L	20	20.9	105		
2-Hexanone	ug/L	50	49.7	99		
2,2-Dichloropropane	ug/L	20	19.4	97		
Ethyl tert-butyl ether (ETBE)	ug/L	20	22.5	112		

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QUALITY CONTROL DATA

LABORATORY CONTROL SAMPLE: 17703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Butyl alcohol	ug/L	50	42.5	85	70-130	
Methyl iodide	ug/L	20	11.8	59		
Dibromomethane	ug/L	20	20.5	103		
Bromochloromethane	ug/L	20	20.4	102		
Carbon disulfide	ug/L	20	24.2	121		
t-Butanol (TBA)	ug/L	500	501	100		
Trichlorotrifluoroethane	ug/L	20	20.7	104		
1,2,3-Trichlorobenzene	ug/L	20	19.1	96		
sec-Butylbenzene	ug/L	20	19.6	98		
1,4 Dioxane	ug/L	500	465	93		
1,2,4-Trichlorobenzene	ug/L	20	16.7	84		
trans-1,4-Dichloro-2-butene	ug/L	20	15.8	79		
Bromobenzene	ug/L	20	18.4	92		
diisopropyl Ether (DIPE)	ug/L	20	21.7	109		
Vinyl acetate	ug/L	20	19.5	98		
1,2-Dibromoethane	ug/L	20	20.1	100		
4-Chlorotoluene	ug/L	20	19.6	98		
t-amyl methyl ether (TAME)	ug/L	20	20.2	101		
Styrene	ug/L	20	17.9	89	70-130	
n-Propylbenzene	ug/L	20	19.6	98		
4-Isopropyltoluene	ug/L	20	17.9	90		
Isopropylbenzene (Cumene)	ug/L	20	18.6	93	70-130	
2-Chlorotoluene	ug/L	20	19.5	97		
1,2-Dibromo-3-chloropropane	ug/L	20	16.9	84	70-130	
1,2,3-Trichloropropane	ug/L	20	18.1	90		
tert-Butylbenzene	ug/L	20	20.3	102		
4-Bromofluorobenzene (S)	%			95	64-130	
Dibromofluoromethane (S)	%			105	69-134	
Toluene d8 (S)	%			103	63-127	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17704

17705

Original: 901850001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Qualifiers
Volatiles										
Acrolein	ug/L	0	100	54.2	55.4	54	55	2-93	2	20
Dichlorodifluoromethane	ug/L	0	20	18.6	18.6	93	93	46-174	0	20
Chloromethane	ug/L	0	20	21.8	23.2	109	116	46-173	6	20
Vinyl chloride	ug/L	0	20	21.3	21.1	106	106	60-162	0	20
Bromomethane	ug/L	0	20	21.0	26.6	105	133	33-170	24	20 J,7
Chloroethane	ug/L	0	20	25.5	25.5	127	127	50-163	0	20
Trichlorofluoromethane	ug/L	0	20	21.5	20.4	108	102	52-173	6	20
1,1-Dichloroethene	ug/L	0	20	17.5	17.8	87	89	54-157	2	20

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QUALITY CONTROL DATA

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17704

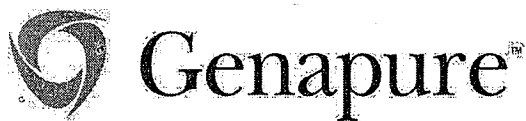
17705

Original: 901850001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD	Qualifiers
Acetone	ug/L	15.6	50	59.3	56.7	87	82	24-225	6	20	
Methylene chloride	ug/L	0	20	22.5	20.4	112	102	42-182	9	20	
trans-1,2-Dichloroethene	ug/L	0	20	18.8	19.4	94	97	49-164	3	20	
Acrylonitrile	ug/L	0	100	104	104	104	104	3-107	0	20	
1,1-Dichloroethane	ug/L	0	20	19.4	19.1	97	95	60-167	2	20	
cis-1,2-Dichloroethene	ug/L	0	20	17.9	17.8	89	89	51-157	0	20	
2-Butanone	ug/L	0	50	41.3	40.4	83	81	49-145	2		
Chloroform	ug/L	2.93	20	21.1	20.8	91	89	60-164	2	20	
1,1,1-Trichloroethane	ug/L	0	20	16.6	16.5	83	83	45-154	0	20	
Carbon tetrachloride	ug/L	0	20	16.9	16.6	85	83	45-154	2	20	
Benzene	ug/L	0	20	16.9	17.0	85	85	59-158	0	20	
1,2-Dichloroethane	ug/L	0	20	20.0	19.3	100	97	45-166	3	20	
Trichloroethene	ug/L	0	20	16.4	16.8	82	84	59-152	2	20	
1,2-Dichloropropane	ug/L	0	20	18.7	18.2	93	91	65-155	2	20	
2-Chloroethylvinyl ether	ug/L	0	20	2.821	2.851	14	14	2-176	0	20	
Bromodichloromethane	ug/L	0.66	20	19.4	18.7	94	90	64-146	4	20	
cis-1,3-Dichloropropene	ug/L	0	20	16.1	16.1	81	80	53-146	1	20	
4-Methyl-2-pentanone	ug/L	0	50	38.8	39.9	78	80	48-140	3	20	
Toluene	ug/L	0.44	20	17.9	18.2	87	89	62-149	2	20	
trans-1,3-Dichloropropene	ug/L	0	20	17.2	17.0	86	85	51-150	1	20	
1,1,2-Trichloroethane	ug/L	0	20	20.3	19.5	102	98	62-159	4	20	
Tetrachloroethene	ug/L	0.24	20	15.2	15.0	76	75	50-150	1	20	
Dibromochloromethane	ug/L	0.16	20	19.7	18.9	98	94	51-139	4	20	
Chlorobenzene	ug/L	0	20	17.5	17.9	87	89	64-144	2	20	
1,1,1,2-Tetrachloroethane	ug/L	0	20	18.3	18.7	92	93	70-130	1	20	
Ethylbenzene	ug/L	0	20	17.4	17.7	87	89	59-149	2	20	
Bromoform	ug/L	0	20	16.6	16.4	83	82	16-166	1	20	
1,1,2,2-Tetrachloroethane	ug/L	0	20	16.3	16.6	81	83	52-177	2	20	
1,4-Dichlorobenzene	ug/L	0.72	20	16.5	16.6	79	80	60-142	1	20	
n-Butylbenzene	ug/L	0	20	14.9	15.8	74	79		7		
1,2-Dichlorobenzene	ug/L	0	20	16.1	16.4	80	82	63-139	2	20	
Naphthalene	ug/L	0	20	14.4	16.1	72	80		11	20	
Methyl-t-butyl ether	ug/L	0	20	18.4	18.5	92	93	48-172	1	20	
Xylene, m,p-	ug/L	0	40	34.9	35.8	87	89	57-153	2	20	
Xylene, o-	ug/L	0	20	16.7	16.8	84	84	69-144	0	20	
1,2,4-Trimethylbenzene	ug/L	0	20	16.0	16.9	80	84	70-130	5	20	
1,3,5-Trimethylbenzene	ug/L	0	20	16.2	17.0	81	85	70-130	5	20	
1,3-Dichloropropane	ug/L	0	20	18.0	18.0	90	90		0		
cis-1,4-Dichloro-2-Butene	ug/L	0	20	12.8	12.9	64	65		2		
1,1-Dichloropropene	ug/L	0	20	16.1	16.1	81	80		1	20	
2-Hexanone	ug/L	0	50	38.3	39.7	77	79		3		
2,2-Dichloropropane	ug/L	0	20	14.4	14.2	72	71		1		
Ethyl tert-butyl ether (ETBE)	ug/L	0	20	19.3	19.4	96	97		1		
n-Butyl alcohol	ug/L	0	50	34.4	31.7	69	63	70-130	9	20	
Methyl iodide	ug/L	0	20	8.85	8.32	44	42		5		
Dibromomethane	ug/L	0	20	18.8	18.0	94	90		4		
Bromochloromethane	ug/L	0	20	17.9	17.8	90	89		1		
Carbon disulfide	ug/L	0	20	18.5	18.3	93	92		1		

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QUALITY CONTROL DATA

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17704

17705

Original: 901850001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Qualifiers
t-Butanol (TBA)	ug/L	2.71	500	421	417	84	83		1	
Trichlorotrifluoroethane	ug/L	0	20	16.1	15.9	80	80		0	
1,2,3-Trichlorobenzene	ug/L	0	20	15.0	15.9	75	80		6	
sec-Butylbenzene	ug/L	0	20	14.1	14.7	70	74		6	
1,4 Dioxane	ug/L	0	500	371	382	74	76		3	
1,2,4-Trichlorobenzene	ug/L	0	20	13.5	14.1	68	70		3	
trans-1,4-Dichloro-2-butene	ug/L	0	20	14.5	14.8	72	74		3	
Bromobenzene	ug/L	0	20	16.0	16.5	80	82		2	
diisopropyl Ether (DIPE)	ug/L	0	20	18.3	18.3	91	92		1	
Vinyl acetate	ug/L	0	20	17.3	17.1	86	86		0	
1,2-Dibromoethane	ug/L	0	20	17.7	17.8	89	89		0	
4-Chlorotoluene	ug/L	0	20	16.2	16.5	81	83		2	
t-amyl methyl ether (TAME)	ug/L	0	20	17.3	17.4	87	87		0	
Styrene	ug/L	0	20	13.2	13.0	66	65	70-130	2	20 6,J
n-Propylbenzene	ug/L	0	20	15.4	16.0	77	80		4	
4-Isopropyltoluene	ug/L	0	20	12.8	13.7	64	68		6	
Isopropylbenzene (Cumene)	ug/L	0	20	14.0	14.8	70	74	70-130	6	20
2-Chlorotoluene	ug/L	0	20	16.1	16.6	81	83		2	
1,2-Dibromo-3-chloropropane	ug/L	0	20	14.5	15.5	72	78	70-130	8	20
1,2,3-Trichloropropane	ug/L	0	20	16.2	16.3	81	82		1	
tert-Butylbenzene	ug/L	0	20	15.8	16.2	79	81		3	
4-Bromofluorobenzene (S)	%	95				93	98	64-130	5	20
Dibromofluoromethane (S)	%	114				107	105	69-134	2	20
Toluene d8 (S)	%	99				100	101	63-127	1	20

MATRIX SPIKE SAMPLE: 18015

Original: 901840001

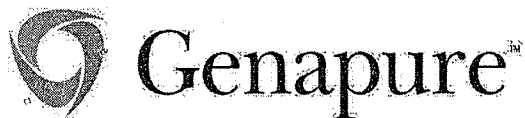
Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Volatiles							
Acrolein	ug/L	0	100	45.9	46	2-93	
Dichlorodifluoromethane	ug/L	0	20	20.6	103	46-174	
Chloromethane	ug/L	0	20	26.0	130	46-173	
Vinyl chloride	ug/L	0	20	22.7	113	60-162	
Bromomethane	ug/L	0	20	19.6	98	33-170	
Chloroethane	ug/L	0	20	25.0	125	50-163	
Trichlorofluoromethane	ug/L	0	20	22.6	113	52-173	
1,1-Dichloroethene	ug/L	0	20	17.8	89	54-157	
Acetone	ug/L	5.93	50	58.4	105	24-225	
Methylene chloride	ug/L	0	20	21.8	109	42-182	
trans-1,2-Dichloroethene	ug/L	0	20	20.0	100	49-164	
Acrylonitrile	ug/L	0	100	113	113	3-107	6,J
1,1-Dichloroethane	ug/L	0	20	20.1	100	60-167	
cis-1,2-Dichloroethene	ug/L	0	20	19.2	96	51-157	
2-Butanone	ug/L	0	50	46.8	94	49-145	

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QUALITY CONTROL DATA

MATRIX SPIKE SAMPLE: 18015

Original: 901840001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	18	20	34.4	82	60-164	
1,1,1-Trichloroethane	ug/L	0	20	17.5	87	45-154	
Carbon tetrachloride	ug/L	0	20	17.6	88	45-154	
Benzene	ug/L	0	20	17.9	89	59-158	
1,2-Dichloroethane	ug/L	0	20	20.7	103	45-166	
Trichloroethene	ug/L	0	20	17.5	88	59-152	
1,2-Dichloropropane	ug/L	0	20	19.7	98	65-155	
2-Chloroethylvinyl ether	ug/L	0	20	2.84	14	2-176	
Bromodichloromethane	ug/L	5.59	20	24.5	95	64-146	
cis-1,3-Dichloropropene	ug/L	0	20	17.3	86	53-146	
4-Methyl-2-pentanone	ug/L	0	50	44.8	90	48-140	
Toluene	ug/L	0.15	20	19.1	95	62-149	
trans-1,3-Dichloropropene	ug/L	0	20	18.3	91	51-150	
1,1,2-Trichloroethane	ug/L	0	20	21.3	107	62-159	
Tetrachloroethene	ug/L	0.33	20	16.1	79	50-150	
Dibromochloromethane	ug/L	1.58	20	22.1	102	51-139	
Chlorobenzene	ug/L	0	20	18.9	94	64-144	
1,1,1,2-Tetrachloroethane	ug/L	0	20	19.6	98	70-130	
Ethylbenzene	ug/L	0	20	18.9	95	59-149	
Bromoform	ug/L	0	20	17.2	86	16-166	
1,1,2,2-Tetrachloroethane	ug/L	0	20	18.5	92	52-177	
1,4-Dichlorobenzene	ug/L	1.36	20	18.2	84	60-142	
n-Butylbenzene	ug/L	0	20	16.4	82		
1,2-Dichlorobenzene	ug/L	0	20	17.7	88	63-139	
Naphthalene	ug/L	0	20	18.2	91		
Methyl-t-butyl ether	ug/L	0	20	19.9	99	48-172	
Xylene, m,p-	ug/L	0	40	38.0	95	57-153	
Xylene, o-	ug/L	0	20	18.2	91	69-144	
1,2,4-Trimethylbenzene	ug/L	0	20	17.3	86	70-130	
1,3,5-Trimethylbenzene	ug/L	0	20	8.30	42	70-130 6,J	
1,3-Dichloropropane	ug/L	0	20	19.5	97		
cis-1,4-Dichloro-2-Butene	ug/L	0	20	14.1	70		
1,1-Dichloropropene	ug/L	0	20	17.3	86		
2-Hexanone	ug/L	0	50	45.4	91		
2,2-Dichloropropane	ug/L	0	20	15.4	77		
Ethyl tert-butyl ether (ETBE)	ug/L	0	20	20.9	105		
n-Butyl alcohol	ug/L	0	50	37.4	75	70-130	
Methyl iodide	ug/L	0	20	2.30	12		
Dibromomethane	ug/L	0	20	19.7	99		
Bromochloromethane	ug/L	0	20	18.8	94		
Carbon disulfide	ug/L	0	20	19.4	97		
t-Butanol (TBA)	ug/L	2.26	500	510	102		
Trichlorotrifluoroethane	ug/L	0	20	16.3	82		
1,2,3-Trichlorobenzene	ug/L	0	20	17.5	88		
sec-Butylbenzene	ug/L	0	20	16.0	80		
1,4 Dioxane	ug/L	0	500	454	91		
1,2,4-Trichlorobenzene	ug/L	0	20	15.2	76		
trans-1,4-Dichloro-2-butene	ug/L	0	20	15.6	78		

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QUALITY CONTROL DATA

MATRIX SPIKE SAMPLE: 18015

Original: 901840001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	0	20	17.4	87		
diisopropyl Ether (DIPE)	ug/L	0	20	20.1	101		
Vinyl acetate	ug/L	0	20	5.19	26		
1,2-Dibromoethane	ug/L	0	20	19.0	95		
4-Chlorotoluene	ug/L	0	20	17.6	88		
t-amyl methyl ether (TAME)	ug/L	0	20	19.0	95		
Styrene	ug/L	0	20	0.458U	0	70-130	6,J
n-Propylbenzene	ug/L	0	20	16.8	84		
4-Isopropyltoluene	ug/L	0	20	14.8	74		
Isopropylbenzene (Cumene)	ug/L	0	20	15.5	78	70-130	
2-Chlorotoluene	ug/L	0	20	16.6	83		
1,2-Dibromo-3- chloropropane	ug/L	0	20	17.1	85	70-130	
1,2,3-Trichloropropane	ug/L	0	20	18.0	90		
tert-Butylbenzene	ug/L	0	20	17.6	88		
4-Bromofluorobenzene (S)	%	95			96	64-130	
Dibromofluoromethane (S)	%	117			105	69-134	
Toluene d8 (S)	%	100			100	63-127	

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QUALITY CONTROL DATA

QC Batch: LACH/1770

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Associated Lab Samples:	901811001	901811002	901821001	901821002	901823001	901840001
	901841005	901841006	901842001			

METHOD BLANK: 17706

Parameter	Units	Blank Result	Reporting Limit Qualifiers
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Wet Chemistry Ammonia	mg/L-N	0.02341	0.017
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LABORATORY CONTROL SAMPLE & LCSD: 17707 17708

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Wet Chemistry Ammonia	mg/L-N	2.5	2.70	2.70	108	108	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17709 17710 Original: 901810001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Wet Chemistry Ammonia	mg/L-N			2.13	2.14				1	20	

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QUALITY CONTROL DATA

QC Batch: INPR/1468

Analysis Method: SM 5540 C

QC Batch Method: SM 5540 C

Associated Lab Samples: 901780001 901835001 901838001 901840001 901842001 901852001
901852002 901872001 901873001

METHOD BLANK: 17734

Parameter	Units	Blank Result	Reporting Limit Qualifiers
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Wet Chemistry Surfactants	mg/L-LA	0.040U	0.040
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LABORATORY CONTROL SAMPLE & LCSD: 17735 17736

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Wet Chemistry Surfactants	mg/L-LA	1	0.997	0.979	100	98	80-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17737 17738 Original: 901844002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	RPD	Qualifiers
Wet Chemistry Surfactants	mg/L-LA	0.271	1	1.28	1.27	101	100	80-120	1	20	

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QUALITY CONTROL DATA

QC Batch: EXT0/1758

Analysis Method: EPA 608

QC Batch Method: EPA 608

Associated Lab Samples:	901839001	901840001	901842001	901843002	901850001	901850002
	901850003	901852001	901852002	901853002	901910001	901910002

METHOD BLANK: 17796

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Pesticides			
Aldrin	ug/L	0.00139U	0.00139
Dieldrin	ug/L	0.00106U	0.00106
Tetrachloro-m-xylene (S)	%	49	32-137
Decachlorobiphenyl (S)	%	74	25-165

LABORATORY CONTROL SAMPLE: 17797

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
Pesticides					
Aldrin	ug/L	0.1	0.058	58	43-149
Dieldrin	ug/L	0.1	0.079	79	47-162
Tetrachloro-m-xylene (S)	%			56	32-137
Decachlorobiphenyl (S)	%			91	25-165

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17798

17799

Original: 901874005

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Qualifiers
Pesticides										
Aldrin	ug/L	0	0.1	0.060	0.058	60	58	43-149	3	35
Dieldrin	ug/L	0	0.1	0.077	0.071	77	71	47-162	8	33
Tetrachloro-m-xylene (S)	%					50	50	32-137	0	
Decachlorobiphenyl (S)	%					79	79	25-165	0	

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QUALITY CONTROL DATA

QC Batch: IC/1189 Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Associated Lab Samples:	901784001	901821001	901821002	901823001	901831002	901835001
	901838001	901840001	901841001	901841004	901841005	901841006
	901842001	901852001	901852002	901854009	901855003	901872001
	901873001					

METHOD BLANK: 17825

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Wet Chemistry			
Nitrate	mg/L-N	0.007U	0.007
Nitrite	mg/L-N	0.005U	0.005
Fluoride	mg/L	0.030U	0.030
Sulfate	mg/L	0.076U	0.076

LABORATORY CONTROL SAMPLE & LCSD: 17826 17827

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Wet Chemistry										
Nitrate	mg/L-N	2.5	2.58	2.61	103	104	90-110	1	20	
Nitrite	mg/L-N	2.5	2.44	2.46	97	98	90-110	1	20	
Fluoride	mg/L	2.5	2.54	2.59	102	104	90-110	1.9	20	
Sulfate	mg/L	7.5	7.64	7.69	102	103	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17828 17829 Original: 901841001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	RPD	Qualifiers
Wet Chemistry											
Nitrate	mg/L-N	0	25	26.7	26.0	107	104	90-110	3	20	
Nitrite	mg/L-N	0	25	25.7	23.9	103	96	90-110	7	20	
Fluoride	mg/L			35.8	35.3						
Sulfate	mg/L			126	120						

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QUALITY CONTROL DATA

QC Batch: MSV/1452

Analysis Method: EPA 524.2

QC Batch Method: EPA 524.2

Associated Lab Samples:	901834001	901835002	901835003	901838001	901838002	901840001
	901840002	901842001	901852001	901852002	901872001	901872002
	901873001	901873002				

METHOD BLANK: 17837

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Volatiles			
Vinyl chloride	ug/L	0.120U	0.120
1,1-Dichloroethene	ug/L	0.086U	0.086
Methylene chloride	ug/L	0.117U	0.117
trans-1,2-Dichloroethene	ug/L	0.087U	0.087
cis-1,2-Dichloroethene	ug/L	0.085U	0.085
Chloroform	ug/L	0.077U	0.077
1,2-Dichloroethane	ug/L	0.070U	0.070
1,1,1-Trichloroethane	ug/L	0.132U	0.132
Benzene	ug/L	0.077U	0.077
Carbon tetrachloride	ug/L	0.134U	0.134
1,2-Dichloropropane	ug/L	0.093U	0.093
Trichloroethene	ug/L	0.121U	0.121
Bromodichloromethane	ug/L	0.091U	0.091
Toluene	ug/L	0.140U	0.140
Dibromochloromethane	ug/L	0.15U	0.15
Tetrachloroethene	ug/L	0.148U	0.148
Chlorobenzene	ug/L	0.113U	0.113
Ethylbenzene	ug/L	0.070U	0.070
Xylene, m,p-	ug/L	0.134U	0.134
Bromoform	ug/L	0.15U	0.15
Styrene	ug/L	0.040U	0.040
Xylene, o-	ug/L	0.083U	0.083
1,4-Dichlorobenzene	ug/L	0.150U	0.150
1,2-Dichlorobenzene	ug/L	0.076U	0.076
1,2,4-Trichlorobenzene	ug/L	0.117U	0.117
1,1-Dichloroethane	ug/L	0.075U	0.075
4-Bromofluorobenzene (S)	%	88	70-130
1,2-Dichlorobenzene-d4 (S)	%	93	70-130
Xylenes (total)	ug/L	0.210U	0.210

LABORATORY CONTROL SAMPLE: 17838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
Volatiles					
Vinyl chloride	ug/L	5	5.32	106	70-130
1,1-Dichloroethene	ug/L	5	4.50	90	70-130
Methylene chloride	ug/L	5	3.82	76	70-130

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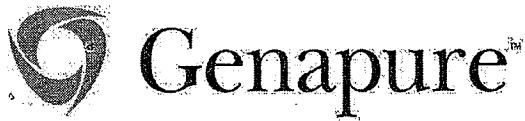
QUALITY CONTROL DATA

LABORATORY CONTROL SAMPLE: 17838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	5	4.47	89	70-130	
cis-1,2-Dichloroethene	ug/L	5	4.14	83	70-130	
Chloroform	ug/L	5	4.35	87	70-130	
1,2-Dichloroethane	ug/L	5	4.32	86	70-130	
1,1,1-Trichloroethane	ug/L	5	4.31	86	70-130	
Benzene	ug/L	5	4.18	84	70-130	
Carbon tetrachloride	ug/L	5	4.38	88	70-130	
1,2-Dichloropropane	ug/L	5	4.32	86	70-130	
Trichloroethene	ug/L	5	4.52	90	70-130	
Bromodichloromethane	ug/L	5	4.08	81.6	70-130	
Toluene	ug/L	5	4.45	89	70-130	
Dibromochloromethane	ug/L	5	4.62	92.4	70-130	
Tetrachloroethene	ug/L	5	4.66	93	70-130	
Chlorobenzene	ug/L	5	4.76	95	70-130	
Ethylbenzene	ug/L	5	4.51	90	70-130	
Xylene, m,p-	ug/L	10	9.01	90	70-130	
Bromoform	ug/L	5	4.06	81.2	70-130	
Styrene	ug/L	5	4.23	85	70-130	
Xylene, o-	ug/L	5	4.35	87	70-130	
1,4-Dichlorobenzene	ug/L	5	4.71	94	70-130	
1,2-Dichlorobenzene	ug/L	5	4.62	92	70-130	
1,2,4-Trichlorobenzene	ug/L	5	4.29	86	70-130	
1,1-Dichloroethane	ug/L	5	4.46	89	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
Xylenes (total)	ug/L		13.4			

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QUALITY CONTROL DATA

QC Batch: MICP/1259 Analysis Method: SM 5210B BOD
QC Batch Method: BOD PREP

Associated Lab Samples: 901835002 901840001 901842001 901852001 901852002 901853003
901872001 901873001

METHOD BLANK: 17849

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Wet Chemistry BOD	mg/L	2.0U	2.0

LABORATORY CONTROL SAMPLE: 17851

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
Wet Chemistry BOD	mg/L	198	107	54	85-115 J

SAMPLE DUPLICATE: 17852

Original: 901842001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
Wet Chemistry BOD	mg/L	5.63	5.68	0.9	20

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QUALITY CONTROL DATA

QC Batch: SOLI/1497 Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C

Associated Lab Samples:	901780001	901828002	901828004	901835001	901840001	901842001
	901852001	901852002	901872001	901873001	901880001	901894001
	901894002	901922001	901922002	901922003	901922004	901922005
	901922006					

METHOD BLANK: 17860

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Wet Chemistry			
Total Dissolved Solids(TDS)	mg/L	7.00U	7.00

SAMPLE DUPLICATE: 17861

Original: 901828002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
Wet Chemistry					
Total Dissolved Solids(TDS)	mg/L	101	96.0	5.1	20

SAMPLE DUPLICATE: 17862

Original: 901922006

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
Wet Chemistry					
Total Dissolved Solids(TDS)	mg/L	772	744	3.7	20

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QUALITY CONTROL DATA

QC Batch: INPR/1470

Analysis Method:

EPA 335.4 Cyanide

QC Batch Method: EPA 335.2

Associated Lab Samples:	901742001	901742002	901780001	901825001	901835001	901839001
	901840001	901842001	901843002	901850001	901850002	901850003
	901852001	901852002	901853002	901907001	901907002	901907003
	901910001					

METHOD BLANK: 17913

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Wet Chemistry Total Cyanide	mg/L	0.0040U	0.0040

LABORATORY CONTROL SAMPLE & LCSD: 17914 17915

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Wet Chemistry Total Cyanide	mg/L	0.2	0.2132	0.2143	107	107	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17916 17917 Original: 901742001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Wet Chemistry Total Cyanide	mg/L	0	0.2	0.1988	0.2040	99	102	90-110	3	20	

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QUALITY CONTROL DATA

QC Batch: DIGM/1613

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Associated Lab Samples:	901835001	901838001	901840001	901842001	901852001	901852002
	901872001	901873001	901901001	901910001	901919001	

METHOD BLANK: 17974

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Mercury	mg/L	0.000056U	0.000056

LABORATORY CONTROL SAMPLE: 17975

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
Mercury	mg/L	0.002	0.00175	88	80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17976

17977

Original: 901838001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Qualifiers
Mercury	mg/L	3.3e-005	0.002	0.00200	0.00192	100	96	80-120	4 20	Q

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QUALITY CONTROL DATA

QC Batch: INPR/1473 Analysis Method: EPA 365.1

QC Batch Method: EPA 365.1

Associated Lab Samples:	901780001	901840001	901841002	901841004	901842001	901852001
	901852002	901853003	901854003	901854005	901854006	901854007
	901855003	901857001	901896001	901896002	901896003	901896004
	901896005	901896006				

METHOD BLANK: 17990

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Wet Chemistry Total Phosphorus	mg/L	0.004U	0.004

LABORATORY CONTROL SAMPLE & LCSD: 17991 17992

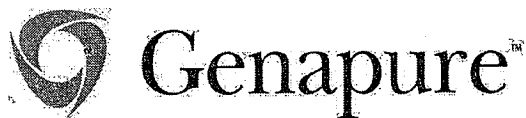
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
Wet Chemistry Total Phosphorus	mg/L	0.5	0.512	0.521	102	104	90-110	1.9	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17995 17996 Original: 901896005

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
Wet Chemistry Total Phosphorus	mg/L	0.027	0.5	0.478	0.478	90.2	90.4	90-110	0.22	20

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QUALITY CONTROL DATA

QC Batch: IC/1193 Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Associated Lab Samples:	901778002	901821001	901833017	901835001	901838001	901840001
	901841005	901842001	901852001	901852002	901872001	901896001
	901896002	901896004	901896006	901907003		

METHOD BLANK: 18051

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Wet Chemistry Chloride	mg/L	0.066U	0.066

LABORATORY CONTROL SAMPLE & LCSD: 18052 18053

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
Wet Chemistry Chloride	mg/L	5	5.10	5.19	102	104	90-110	2	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 18054 18055 Original: 901833017

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD Qualifiers
Wet Chemistry Chloride	mg/L			203	207				

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QUALITY CONTROL DATA

QC Batch: PH/1052 Analysis Method: SM4500H-B

QC Batch Method: SM4500H-B

Associated Lab Samples:	901835001	901838001	901840001	901842001	901852001	901852002
	901854001	901854004	901854005	901854009	901894001	901894002
	901896001	901896002	901896003	901896004	901896005	901896006
	901909001					

SAMPLE DUPLICATE: 18165

Original: 901896001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
Wet Chemistry pH	pH unit	7.24	7.29	0.7	20

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QUALITY CONTROL DATA

QC Batch: INPR/1484

Analysis Method: EPA 351.2

QC Batch Method: EPA 351.2

Associated Lab Samples:	901780001	901811002	901821001	901821002	901823001	901840001
	901841004	901841005	901841006	901842001	901852001	901852002
	901853003	901854003	901854006	901854008	901855003	901857001
	901880001					

METHOD BLANK: 18613

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Wet Chemistry			
Total Kjeldahl Nitrogen	mg/L-N	0.266l	0.22

LABORATORY CONTROL SAMPLE & LCSD: 18614 18615

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Wet Chemistry										
Total Kjeldahl Nitrogen	mg/L-N	5	4.56	5.22	91.1	104	90-110	13.2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 18616 18617 Original: 901811002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Qualifiers
Wet Chemistry										
Total Kjeldahl Nitrogen	mg/L-N	6.44	5	9.74	11.0	66.1	92.1	90-110	32.9	20

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QUALITY CONTROL DATA QUALIFIERS

QUALITY CONTROL PARAMETER QUALIFIERS

- J Estimated value.
- Q Holding time exceeded.
- V Present in blank.
- [5] NCR-LCS and/or LCSD recoveries above acceptable limits. The reported target analyte is below detection limits establishing that there is no high biased result reported
- [6] MS and/or MSD recoveries outside control limits. However, LCS and/or LCSD within limits. Data reported.
- [7] NCR-% RPD exceeds control limits

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QUALITY CONTROL CROSS REFERENCE TABLE

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
901840001	REUSE EFFLUENT	EPA 625	EXTO/1744	EPA 625	MSSV/1248
901840001	REUSE EFFLUENT	EPA 625	EXTO/1744	Semi-volatile Mass Spec Scan	MSSV/1248
901840001	REUSE EFFLUENT	EPA 504.1	EXTO/1746	EPA 504.1	GCSV/1399
901840002	TRIP BLANK	EPA 504	EXTO/1746	EPA 504	GCSV/1399
901840001	REUSE EFFLUENT	SM 2150 B	MISC/1114		
901840001	REUSE EFFLUENT	EPA 365.1	LACH/1768		
901840001	REUSE EFFLUENT	SM 2120B Color	HACH/1120		
901840001	REUSE EFFLUENT	EPA 200.7	DIGM/1602	EPA 200.7	ICP/1374
901840001	REUSE EFFLUENT	EPA 200.8	DIGM/1603	EPA 200.8	ICPM/1076
901840001	REUSE EFFLUENT	EPA 624	MSV/1447		
901840001	REUSE EFFLUENT	EPA 350.1	LACH/1770		
901840001	REUSE EFFLUENT	SM 5540 C	INPR/1468	SM 5540 C	HACH/1123
901840001	REUSE EFFLUENT	EPA 608	EXTO/1758	EPA 608	GCSV/1401
901840001	REUSE EFFLUENT	EPA 300.0	IC/1189		
901840001	REUSE EFFLUENT	EPA 524.2	MSV/1452		
901840002	TRIP BLANK	EPA 524.2	MSV/1452		
901840001	REUSE EFFLUENT	BOD PREP	MICP/1259	SM 5210B BOD	BOD/1220
901840001	REUSE EFFLUENT	SM 2540 C	SOLI/1497		

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QUALITY CONTROL CROSS REFERENCE TABLE

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
901840001	REUSE EFFLUENT	EPA 335.2	INPR/1470	EPA 335.4 Cyanide	LACH/1791
901840001	REUSE EFFLUENT	EPA 245.1	DIGM/1613	EPA 245.1	HG/1081
901840001	REUSE EFFLUENT	EPA 365.1	INPR/1473	EPA 365.1	LACH/1784
901840001	REUSE EFFLUENT	EPA 300.0	IC/1193		
901840001	REUSE EFFLUENT	SM4500H-B	PH/1052		
901840001	REUSE EFFLUENT	EPA 351.2	INPR/1484	EPA 351.2	LACH/1828
901840001	REUSE EFFLUENT	EPA 100.2	S_09/	EPA 100.2	S_09/
901840001	REUSE EFFLUENT	EPA 508.1	S_05/	EPA 508.1	S_05/
901840001	REUSE EFFLUENT	EPA 515.3	S_05/	EPA 515.3	S_05/
901840001	REUSE EFFLUENT	EPA 525.2	S_05/	EPA 525.2	S_05/
901840001	REUSE EFFLUENT	EPA 531.1	S_05/	EPA 531.1	S_05/
901840001	REUSE EFFLUENT	EPA 547	S_05/	EPA 547	S_05/
901840001	REUSE EFFLUENT	EPA 548.1	S_05/	EPA 548.1	S_05/
901840001	REUSE EFFLUENT	EPA 549.2	S_05/	EPA 549.2	S_05/

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