

City Blue



CHEMWEST
ANALYTICAL LABORATORIES, INC.

July 24, 1990

Harding Lawson Associates
1355 Willow Way, Suite 109
Concord, CA 94520

Attention: Mr. Rick McCartney

Subject: Report of Data - Case Number 6200

Dear Mr. McCartney:

The technical staff at CHEMWEST is pleased to provide our report for the analyses you requested: Semivolatile Organics - EPA Method 625; Organochlorine Pesticides, PCB's - EPA Method 608; and Priority Pollutant Metals.

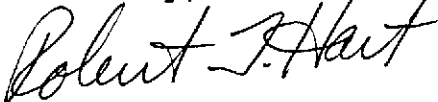
One water sample for Project City Blue Oakland, was received June 26, 1990 in good condition.

The Volatile Organics analysis was analyzed out of hold times and you are not charged for these results.

Results of the remaining analyses along with the analytical methodology and appropriate reporting limits are presented on the following page(s).

Thank you for choosing CHEMWEST Laboratories. Should you have questions concerning this data report or the analytical methods employed, please do not hesitate to contact Debbie Pearce your Customer/Technical Service Representative. We hope that you will consider CHEMWEST Laboratories for your future analytical support and service requirements.

Sincerely,



Robert T. Hart
Data Control Manager

RTH:ds

cc: File

ANALYTICAL METHODOLOGY

Semivolatile Organics

Waters -

The sample techniques used for both water and soil samples are based on EPA Methods 625 and 8270, and follow EPA Contract Laboratory Program (CLP) recommendations. Waters are extracted in a separatory funnel utilizing methylene chloride as the extraction solvent. Six surrogate compounds are added prior to extraction to monitor extraction efficiency. After extraction, the solvent is concentrated to 1 ml, internal standards are added and the sample is ready for analysis.

Soils -

Six surrogates are added to a weighed portion of soil. Three times methylene chloride/acetone is added and the soil is sonicated. The solvent is concentrated, internal standards are added and the sample is ready for analysis.

GC/MS -

Samples are analyzed on a GC/MS equipped with a DB-5 capillary column. Helium is the carrier gas and 1 ul of the sample extract is injected. The samples are analyzed under full scan GC/MS which monitors a mass range of 35-550.

Tuning and Blanks

The samples are run after meeting GC/MS hardware tuning ion abundance criteria, Decafluorotriphenylphosphine (DFTPP) for semi-volatiles. Laboratory blanks are extracted with each batch of water samples and soil samples.

Surrogates:

Surrogates were included in all samples. Surrogates are used to monitor extractions recovery efficiency.

Surrogate Compounds	% EPA Allowable Recovery	
	Water	Soil
Nitrobenzene-d5	35 - 114	23 - 120
2-Fluorobiphenyl	43 - 116	30 - 115
p-Terphenyl-d14	33 - 141	18 - 147
Phenol-d5	10 - 94	24 - 113
2-Fluorophenol	21 - 100	25 - 121
2,4,6-Tribromophenol	10 - 123	19 - 122

Matrix Spikes:

Matrix spikes are additional quality assurance controls. Known amounts of selected compounds are added to samples and analytical accuracy is determined by sample analysis.

Matrix Spike Compounds	% EPA Allowable Recovery	
	Water	Soil
1,2,4-Trichlorobenzene	39 - 98	38 - 107
Acenaphthene	46 - 118	31 - 137
2,4-Dinitrotoluene	24 - 96	28 - 89
Pyrene	26 - 127	35 - 142
N-Nitroso-di-n-propylamine	41 - 116	41 - 126
1,4-Dichlorobenzene	36 - 97	28 - 104
Pentachlorophenol	9 - 103	17 - 109
Phenol	12 - 89	26 - 90
2-Chlorophenol	27 - 123	25 - 102
4-Chloro-3-methylphenol	23 - 97	26 - 103
4-Nitrophenol	10 - 80	11 - 114

method?

CHEMWEST ANALYTICAL LABORATORIES
VOLATILE ORGANICS

Client I.D.: MW-1B
Date(s) Analyzed: 07/21/98

CHEMWEST I.D.: 6389-1
Matrix : Water

Compound	Amount Detected (ug/L)	RL (ug/L)
Chloromethane	BRL	10000
Bromomethane	BRL	10000
Vinyl Chloride	BRL	10000
Chloroethane	BRL	10000
Methylene Chloride	BRL	10000
Acetone	BRL	20000
Carbon Disulfide	BRL	5000
1,1-Dichloroethene	BRL	5000
1,1-Dichloroethane	BRL	5000
1,2-Dichloroethene (total)	BRL	5000
Chloroform	BRL	5000
1,2-Dichloroethane	BRL	5000
2-Butanone	BRL	20000
1,1,1-Trichloroethane	BRL	5000
Carbon Tetrachloride	BRL	5000
Vinyl Acetate	BRL	10000
Bromodichloromethane	BRL	5000
1,2-Dichloropropane	BRL	5000
cis-1,3-Dichloropropene	BRL	5000
Trichloroethene	BRL	5000
Benzene	50000	5000
Dibromochloromethane	BRL	5000
1,1,2-Trichloroethane	BRL	5000
trans-1,3-Dichloropropene	BRL	5000
Bromoform	BRL	5000
4-Methyl-2-pentanone	BRL	10000
2-Hexanone	60000	10000
Tetrachloroethene	BRL	5000
1,1,2,2-Tetrachloroethane	BRL	5000
Toluene	130000	5000
Chlorobenzene	BRL	5000
Ethylbenzene	46000	5000
Styrene	BRL	5000
Xylenes (total)	490000	5000

me-4-yl 12-hexyl ketone

Surrogates	% Recovery	Acceptance Window
1,2-Dichloroethane-d4	99%	76-114%
Toluene-d8	104%	88-110%
4-Bromofluorobenzene	106%	86-115%

BRL: Below Reporting Limit.

RL: Reporting Limit.

Approved by: ew

REV4:1.90

CHEMWEST ANALYTICAL LABORATORIES
SEMIVOLATILE ORGANICS

Client I.D.: MW-1A
Date Extracted : 07/02/90
Date(s) Analyzed: 07/17/90

CHEMWEST I.D.: 6200-1
Matrix : Water

Compound	Amount Detected (ug/L)	RL (ug/L)
Phenol	BRL	100
2-Chlorophenol	BRL	100
bis(2-Chloroethyl) ether	BRL	100
1,3-Dichlorobenzene	BRL	100
1,4-Dichlorobenzene	BRL	100
1,2-Dichlorobenzene	BRL	100
Benzyl alcohol	BRL	100
2-Methylphenol	BRL	100
bis(2-Chloroisopropyl) ether	BRL	100
Hexachloroethane	BRL	100
N-Nitroso-di-n-propylamine	BRL	100
4-Methylphenol	BRL	100
Nitrobenzene	BRL	100
Isophorone	BRL	100
2-Nitrophenol	BRL	100
2,4-Dimethylphenol	BRL	100
bis(2-Chloroethoxy) methane	BRL	100
2,4-Dichlorophenol	BRL	100
1,2,4-Trichlorobenzene	BRL	100
Benzoic acid	BRL	200
Naphthalene	3600	100
4-Chloroaniline	BRL	100
Hexachlorobutadiene	BRL	100
4-Chloro-3-methylphenol	BRL	100
2-Methylnaphthalene	3600	100
Hexachlorocyclopentadiene	BRL	100
2,4,6-Trichlorophenol	BRL	100
2,4,5-Trichlorophenol	BRL	200
2-Chloronaphthalene	BRL	100
2-Nitroaniline	BRL	200
Acenaphthylene	BRL	100
Dimethylphthalate	BRL	500
2,6-Dinitrotoluene	BRL	100
3-Nitroaniline	BRL	200
Acenaphthene	BRL	100
2,4-Dinitrophenol	BRL	200
Dibenzofuran	BRL	100
4-Nitrophenol	BRL	200
2,4-Dinitrotoluene	BRL	100
Fluorene	BRL	100
4-Chlorophenyl-phenylether	BRL	100
Diethylphthalate	BRL	500
4-Nitroaniline	BRL	200
4,6-Dinitro-2-methylphenol	BRL	200

CHEMWEST ANALYTICAL LABORATORIES
SEMIVOLATILE ORGANICS

Client I.D.: MW-1A

CHEMWEST I.D.: 6200-1

Compound	Amount Detected (ug/L)	RL (ug/L)
N-Nitrosodiphenylamine	BRL	100
4-Bromophenyl-phenylether	BRL	100
Hexachlorobenzene	BRL	100
Pentachlorophenol	BRL	200
Phenanthrene	BRL	100
Anthracene	BRL	100
Di-n-butylphthalate	BRL	500
Fluoranthene	BRL	100
Pyrene	BRL	100
Butylbenzylphthalate	BRL	500
Benzo(a)anthracene	BRL	100
3,3'-Dichlorobenzidine	BRL	200
Chrysene	BRL	100
bis(2-Ethylhexyl)phthalate	BRL	500
Di-n-octylphthalate	BRL	500
Benzo(b)fluoranthene	BRL	100
Benzo(k)fluoranthene	BRL	100
Benzo(a)pyrene	BRL	100
Indeno(1,2,3-cd)pyrene	BRL	100
Dibenz(a,h)anthracene	BRL	100
Benzo(g,h,i)perylene	BRL	100

Surrogates	% Recovery	Acceptance Window
2-Fluorophenol	43%	21-100%
Phenol-d5	41%	10- 94%
Nitrobenzene-d5	52%	35-114%
2-Fluorobiphenyl	108%	43-116%
2,4,6-Tribromophenol	73%	10-123%
Terphenyl-d14	94%	33-141%

BRL: Below Reporting Limit.

RL: Reporting Limit.

Approved by: ew

REV5:1.90

CHEMWEST ANALYTICAL LABORATORIES
ORGANOCHLORINE PESTICIDES & PCBs

Client I.D.: MW-1A
Date Extracted : 07/02/90
Date(s) Analyzed: 07/06/90

CHEMWEST I.D.: 6200-1
Matrix : Water

Compound	Amount Detected (ug/L)	RL (ug/L)
Aldrin	BRL	0.05
alpha-BHC	BRL	0.05
beta-BHC	BRL	0.05
gamma-BHC	BRL	0.05
delta-BHC	BRL	0.05
4,4'-DDE	BRL	0.10
4,4'-DDD	BRL	0.10
4,4'-DDT	BRL	0.10
Dieldrin	BRL	0.10
Endosulfan I	BRL	0.05
Endosulfan II	BRL	0.10
Endosulfan sulfate	BRL	0.10
Endrin	BRL	0.10
Endrin ketone	BRL	0.10
Heptachlor	BRL	0.05
Heptachlor epoxide	BRL	0.05
Methoxychlor	BRL	0.5
Chlordane (technical)	BRL	1.0
alpha-Chlordane (1)	BRL	0.05
gamma-Chlordane (1)	BRL	0.05
Toxaphene	BRL	1.0
Arochlor 1016	BRL	0.5
Arochlor 1221	BRL	0.5
Arochlor 1232	BRL	0.5
Arochlor 1242	BRL	0.5
Arochlor 1248	BRL	0.5
Arochlor 1254	BRL	1.0
Arochlor 1260	BRL	1.0

Surrogate	% Recovery	Acceptance Window
Dibutylchlorendate	81%	24-154%

BRL: Below Reporting Limit.

RL: Reporting Limit.

(1): Major Constituents of Technical Chlordane.

Approved by: *N*

CHEMWEST ANALYTICAL LABORATORIES
PRIORITY POLLUTANT METALS

Client I.D.: MW-1A
Date(s) Analyzed: 06/29/90
thru: 07/06/90

CHEMWEST I.D.: 6200-1
Matrix : Water

Element		Amount Detected (mg/L)	RL (mg/L)	<i>Calif.</i> <i>MCLs</i>
Antimony	(GFAA)	BRL	0.01	
Arsenic	(GFAA)	0.03	0.01	0.05
Beryllium		0.069	0.005	
Cadmium		BRL	0.005	0.01
Chromium		BRL	0.01	0.05
Copper		BRL	0.025	
Lead	(GFAA)	0.006	0.005	0.05
Mercury	(CV)	BRL	0.0002	0.002
Nickel		BRL	0.04	
Selenium	(GFAA)	BRL	0.005	0.01
Silver		BRL	0.02	0.05
Thallium	(GFAA)	BRL	0.01	
Zinc		1.0	0.02	

BRL: Below Reporting Limit.
RL: Reporting Limit.
CV: Cold Vapor.
GFAA: Graphite Furnace Atomic Absorption.

Approved by: V.H.

CHEMWEST ANALYTICAL LABORATORIES
VOLATILE ORGANICS

Client I.D.: Method Blank
Date(s) Analyzed: 07/17/90

CHEMWEST I.D.: 6200-MB
Matrix : Water

Compound	Amount Detected (ug/L)	RL (ug/L)
Chloromethane	BRL	10
Bromomethane	BRL	10
Vinyl Chloride	BRL	10
Chloroethane	BRL	10
Methylene Chloride	BRL	10
Acetone	BRL	20
Carbon Disulfide	BRL	5
1,1-Dichloroethene	BRL	5
1,1-Dichloroethane	BRL	5
1,2-Dichloroethene (total)	BRL	5
Chloroform	BRL	5
1,2-Dichloroethane	BRL	5
2-Butanone	BRL	20
1,1,1-Trichloroethane	BRL	5
Carbon Tetrachloride	BRL	5
Vinyl Acetate	BRL	10
Bromodichloromethane	BRL	5
1,2-Dichloropropane	BRL	5
cis-1,3-Dichloropropene	BRL	5
Trichloroethene	BRL	5
Benzene	BRL	5
Dibromochloromethane	BRL	5
1,1,2-Trichloroethane	BRL	5
trans-1,3-Dichloropropene	BRL	5
Bromoform	BRL	5
4-Methyl-2-pentanone	BRL	10
2-Hexanone	BRL	10
Tetrachloroethene	BRL	5
1,1,2,2-Tetrachloroethane	BRL	5
Toluene	BRL	5
Chlorobenzene	BRL	5
Ethylbenzene	BRL	5
Styrene	BRL	5
Xylenes (total)	BRL	5

Surrogates	% Recovery	Acceptance Window
1,2-Dichloroethane-d4	99%	76-114%
Toluene-d8	102%	88-110%
4-Bromofluorobenzene	103%	86-115%

BRL: Below Reporting Limit.

RL: Reporting Limit.

Approved by: lw

REV4:1.90

CHEMWEST ANALYTICAL LABORATORIES
SEMIVOLATILE ORGANICS

Client I.D.: Method Blank
Date Extracted : 07/02/90
Date(s) Analyzed: 07/17/90

CHEMWEST I.D.: 6200-MB
Matrix : Water

Compound	Amount Detected (ug/L)	RL (ug/L)
Phenol	BRL	10
2-Chlorophenol	BRL	10
bis(2-Chloroethyl) ether	BRL	10
1,3-Dichlorobenzene	BRL	10
1,4-Dichlorobenzene	BRL	10
1,2-Dichlorobenzene	BRL	10
Benzyl alcohol	BRL	10
2-Methylphenol	BRL	10
bis(2-Chloroisopropyl) ether	BRL	10
Hexachloroethane	BRL	10
N-Nitroso-di-n-propylamine	BRL	10
4-Methylphenol	BRL	10
Nitrobenzene	BRL	10
Isophorone	BRL	10
2-Nitrophenol	BRL	10
2,4-Dimethylphenol	BRL	10
bis(2-Chloroethoxy) methane	BRL	10
2,4-Dichlorophenol	BRL	10
1,2,4-Trichlorobenzene	BRL	10
Benzoic acid	BRL	20
Naphthalene	BRL	10
4-Chloroaniline	BRL	10
Hexachlorobutadiene	BRL	10
4-Chloro-3-methylphenol	BRL	10
2-Methylnaphthalene	BRL	10
Hexachlorocyclopentadiene	BRL	10
2,4,6-Trichlorophenol	BRL	10
2,4,5-Trichlorophenol	BRL	20
2-Chloronaphthalene	BRL	10
2-Nitroaniline	BRL	20
Acenaphthylene	BRL	10
Dimethylphthalate	BRL	50
2,6-Dinitrotoluene	BRL	10
3-Nitroaniline	BRL	20
Acenaphthene	BRL	10
2,4-Dinitrophenol	BRL	20
Dibenzofuran	BRL	10
4-Nitrophenol	BRL	20
2,4-Dinitrotoluene	BRL	10
Fluorene	BRL	10
4-Chlorophenyl-phenylether	BRL	10
Diethylphthalate	BRL	50
4-Nitroaniline	BRL	20
4,6-Dinitro-2-methylphenol	BRL	20

CHEMWEST ANALYTICAL LABORATORIES
SEMIVOLATILE ORGANICS

Client I.D.: Method Blank

CHEMWEST I.D.: 6200-MB

Compound	Amount Detected (ug/L)	RL (ug/L)
N-Nitrosodiphenylamine	BRL	10
4-Bromophenyl-phenylether	BRL	10
Hexachlorobenzene	BRL	10
Pentachlorophenol	BRL	20
Phenanthrene	BRL	10
Anthracene	BRL	10
Di-n-butylphthalate	BRL	50
Fluoranthene	BRL	10
Pyrene	BRL	10
Butylbenzylphthalate	BRL	50
Benzo(a)anthracene	BRL	10
3,3'-Dichlorobenzidine	BRL	20
Chrysene	BRL	10
bis(2-Ethylhexyl)phthalate	BRL	50
Di-n-octylphthalate	BRL	50
Benzo(b)fluoranthene	BRL	10
Benzo(k)fluoranthene	BRL	10
Benzo(a)pyrene	BRL	10
Indeno(1,2,3-cd)pyrene	BRL	10
Dibenz(a,h)anthracene	BRL	10
Benzo(g,h,i)perylene	BRL	10

Surrogates	% Recovery	Acceptance Window
2-Fluorophenol	29%	21-100%
Phenol-d5	19%	10- 94%
Nitrobenzene-d5	49%	35-114%
2-Fluorobiphenyl	61%	43-116%
2,4,6-Tribromophenol	59%	10-123%
Terphenyl-d14	41%	33-141%

BRL: Below Reporting Limit.

RL: Reporting Limit.

Approved by: lw

REV5:1.90

CHEMWEST ANALYTICAL LABORATORIES
ORGANOCHLORINE PESTICIDES & PCBs

Client I.D.: Method Blank
Date Extracted : 07/02/90
Date(s) Analyzed: 07/06/90

CHEMWEST I.D.: 6200-MB
Matrix : Water

Compound	Amount Detected (ug/L)	RL (ug/L)
Aldrin	BRL	0.05
alpha-BHC	BRL	0.05
beta-BHC	BRL	0.05
gamma-BHC	BRL	0.05
delta-BHC	BRL	0.05
4,4'-DDE	BRL	0.10
4,4'-DDD	BRL	0.10
4,4'-DDT	BRL	0.10
Dieldrin	BRL	0.10
Endosulfan I	BRL	0.05
Endosulfan II	BRL	0.10
Endosulfan sulfate	BRL	0.10
Endrin	BRL	0.10
Endrin ketone	BRL	0.10
Heptachlor	BRL	0.05
Heptachlor epoxide	BRL	0.05
Methoxychlor	BRL	0.5
Chlordane (technical)	BRL	1.0
alpha-Chlordane (1)	BRL	0.05
gamma-Chlordane (1)	BRL	0.05
Toxaphene	BRL	1.0
Arochlor 1016	BRL	0.5
Arochlor 1221	BRL	0.5
Arochlor 1232	BRL	0.5
Arochlor 1242	BRL	0.5
Arochlor 1248	BRL	0.5
Arochlor 1254	BRL	1.0
Arochlor 1260	BRL	1.0

Surrogate	% Recovery	Acceptance Window
Dibutylchlorendate	116%	24-154%

BRL: Below Reporting Limit.
RL: Reporting Limit.
(1): Major Constituents of Technical Chlordane.

Approved by:

REV5:1.90

CHEMWEST ANALYTICAL LABORATORIES
PRIORITY POLLUTANT METALS

Client I.D.: Method Blank
Date(s) Analyzed: 06/29/90
thru: 07/06/90

CHEMWEST I.D.: 6200-MB
Matrix : Water

Element		Amount Detected (mg/L)	RL (mg/L)
Antimony	(GFAA)	BRL	0.01
Arsenic	(GFAA)	BRL	0.01
Beryllium		BRL	0.005
Cadmium		BRL	0.005
Chromium		BRL	0.01
Copper		BRL	0.025
Lead	(GFAA)	BRL	0.005
Mercury	(CV)	BRL	0.0002
Nickel		BRL	0.04
Selenium	(GFAA)	BRL	0.005
Silver		BRL	0.02
Thallium	(GFAA)	BRL	0.01
Zinc		BRL	0.02

BRL: Below Reporting Limit.

RL: Reporting Limit.

CV: Cold Vapor.

GFAA: Graphite Furnace Atomic Absorption.

Approved by: V.N.

CHEMWEST ANALYTICAL LABORATORIES, INC

600W North Market Blvd.
Sacramento, California 95834
(916) 923-0840 FAX (916) 923-1938

CLIENT

Order No. 06200
Date Rec'd. 6-26-90 16:50
Compl. Date
Section

CLIENT: Harding Lawson Associates
1355 Willow Way, Suite 109
Concord, CA

94520

Project Name: City Blue Oakland

Project No.

P.O. NO.

Contact Rick McCartney

Phone (415) 687-687-9660

ANALYSIS: One water sample rec'd under chain of
custody in 1 qt amber glass bottles (4), 40 ml vva
vials (2), & 1pt opaque plastic bottle (1) to be analyzed
for Volatile & Semivolatile Organics (EPA Method 624 &
625), Organochlorine Pesticides/PCBs (EPA Method 608),
and Priority Pollutant Metals. See Chain of Custody.

Sample ID	Date	Analysis	Matrix	Container
6200- MW-1B	6-25-90	624, 625, 608 PPM	water	7-containers

AMENDED

Der conversation between Rick McCartney & Debbie
Pearce 7-17-90 @ 10:25 Sample Id should be mw-1A,
not mw-1B.

GC/MS, RI

SG SUSAN GILBERT

09 01 06 NOV 92

CHEMWEST COURIER



1355 Willow Way, Suite 109
Concord, California 94520
415/687-9660
Telecopy: 415/687-9673

CHAIN OF CUSTODY FORM

Lab: CHEM WEST

Samplers: DAW B. ERBES

Job Number: _____

Name/Location: CITY BLUE OAKLAND

Project Manager: RICK Mc CARTNEY

Recorder: [Signature]
(Signature Required)

SOURCE CODE	MATRIX					#CONTAINERS & PRESERV.				SAMPLE NUMBER OR LAB NUMBER			DATE				STATION DESCRIPTION/ NOTES	
	Water	Sediment	Soil	Oil		Unpres.	H ₂ SO ₄	HNO ₃			Yr	Wk	Seq	Yr	Mo	Dy		Time
23	X					X							MW-1B	9	00	6	25	STANDARD TURN MOUND
	X					2							↓	↓				
	X					2							↓	↓				
	X					1							↓	↓				FIELD FILTERED

ANALYSIS REQUESTED										
EPA 601/8010	EPA 602/8020	EPA 624/8240	EPA 625/8270	TOP METALS 13 metals	EPA 8015M/TPH	EPA 608/808 & 815/815	Pesticides	PP Metals		
		X								
			X							
						X				
				X						

LAB NUMBER			DEPTH IN FEET	COL MTD CD	QA CODE	MISCELLANEOUS
Yr	Wk	Seq				
						* Per conversation between Rick McCartney and Janet Harlan 6-27-90 at 09:30 Please analyze for Priority Pollutant Metals. SG

CHAIN OF CUSTODY RECORD		
RELINQUISHED BY: (Signature) <u>[Signature]</u>	RECEIVED BY: (Signature) <u>GARY BIASE</u>	DATE/TIME <u>6-26-90/10:10</u>
RELINQUISHED BY: (Signature) <u>GARY BIASE</u>	RECEIVED BY: (Signature)	DATE/TIME <u>6-26-90/16:15</u>
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
DISPATCHED BY: (Signature)	DATE/TIME	RECEIVED FOR LAB BY: (Signature) <u>SUSAN GILBERT</u>
METHOD OF SHIPMENT <u>CHEM WEST COURIER</u>		DATE/TIME <u>6-26-90/16:15</u>

Table 1
 City Blue Groundwater Remediation System
 Schedule for Sampling, Measurement, and Analysis

Measurement/Analysis	Groundwater Samples				Air Samples
	Influent	Effluent	Intermediate	Wells	Effluent
Flow Rate*	D/W/M	D/W/M	---	---	---
pH	D/W/M	D/W/M	---	Y	---
Temperature	D/W/M	D/W/M	---	Y	---
Electrical Conductivity	D/W/M	D/W/M	---	Y	---
EPA 8020 for: Benzene Toluene Total Xylenes Ethylbenzene	S/D/W/M	S/D/W/M	W/M	Y	S/D/W/M
EPA 8015 for: Total Petroleum Hydrocarbons as gasoline	S/D/W/M	S/D/W/M	W/M	Y	S/D/W/M
SMWWA 24500 for: Total Suspended Solids	D/W/M	D/W/M	---	---	---
SMWWA 5220A for: Chemical Oxygen Demand	D/W/M	D/W/M	---	---	---

Notes:

S - 2 hours after system startup.

D - Every 24 hours for four days.

W - Weekly for first three weeks.

M - Monthly thereafter.

Y - Semi Annually

SMWWA - Standard Method Water and Wastewater Analyses, 17th edition.

* - A flow totalizer will record cumulative effluent discharge volume.