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CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G048**

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** - Not Requested

EMAX
LABORATORIES, INC.
1835 W. 205th Street
Torrance, CA 90501
Tel: (310) 618-8889
Fax: (310) 618-0818

Date: 08-03-2006
EMAX Batch No.: 06G048

Attn: Ron Halpern

Arcadis
1400 North Harbor Blvd, Ste 700
Fullerton CA 92835

Subject: Laboratory Report
Project: Omega Chemical

Enclosed is the Laboratory report for samples received on 07/11/06.
The data reported include :

Sample ID	Control #	Col Date	Matrix	Analysis
OC2-PMW16A-0-25	G048-01	07/11/06	WATER	VOLATILE ORGANICS BY GC/MS
				1,2,3-TRICHLOROPROPANE SIM
				1,4-DIOXANE BY 8270 SIM
				ANIONS BY IC
				CHROMIUM HEXAVALENT BY IC
				CYANIDE TOTAL
				SEMIVOLATILE ORGANICS SIM
				SOLIDS TOTAL DISSOLVED
				TKN
				TOTAL ORGANIC CARBON
				N-NITROSODIMETHYLAMINE BY GCMS
				METALS, DISSOLVED BY ICP-MS
				MERCURY DISSOLVED
				SILICA, DISSOLVED
				PERCHLORATE BY IC
				SEMIVOLATILE ORGANICS BY GCMS
OC2-00-W-2-28	G048-02	07/11/06	WATER	VOLATILE ORGANICS BY GC/MS
OC2-00-W-4-29	G048-03	07/11/06	WATER	VOLATILE ORGANICS BY GC/MS
OC2-PMW16B-0-26	G048-04	07/11/06	WATER	VOLATILE ORGANICS BY GC/MS

Sample ID	Control #	Col Date	Matrix	Analysis
				1,2,3-TRICHLOROPROPANE SIM
				1,4-DIOXANE BY 8270 SIM
				ANIONS BY IC
				CHROMIUM HEXAVALENT BY IC
				CYANIDE TOTAL
				SEMIVOLATILE ORGANICS SIM
				SOLIDS TOTAL DISSOLVED
				TKN
				TOTAL ORGANIC CARBON
				N-NITROSODIMETHYLAMINE BY GCMS
				METALS, DISSOLVED BY ICP-MS
				MERCURY DISSOLVED
				SILICA, DISSOLVED
				PERCHLORATE BY IC
				SEMIVOLATILE ORGANICS BY GCMS
OC2-PMW16C-0-27	G048-05	07/11/06	WATER	VOLATILE ORGANICS BY GC/MS
				1,2,3-TRICHLOROPROPANE SIM
				1,4-DIOXANE BY 8270 SIM
				ANIONS BY IC
				CHROMIUM HEXAVALENT BY IC
				CYANIDE TOTAL
				SEMIVOLATILE ORGANICS SIM
				SOLIDS TOTAL DISSOLVED
				TKN
				TOTAL ORGANIC CARBON
				N-NITROSODIMETHYLAMINE BY GCMS
				METALS, DISSOLVED BY ICP-MS
				MERCURY DISSOLVED
				SILICA, DISSOLVED
				PERCHLORATE BY IC
				SEMIVOLATILE ORGANICS BY GCMS
OC2-PMW20A-0-30	G048-06	07/11/06	WATER	VOLATILE ORGANICS BY GC/MS
				1,2,3-TRICHLOROPROPANE SIM
				1,4-DIOXANE BY 8270 SIM
				ANIONS BY IC
				CHROMIUM HEXAVALENT BY IC
				CYANIDE TOTAL
				SEMIVOLATILE ORGANICS SIM
				SOLIDS TOTAL DISSOLVED
				TKN
				TOTAL ORGANIC CARBON

Sample ID	Control #	Col Date	Matrix	Analysis
				N-NITROSODIMETHYLAMINE BY GCMS
				METALS, DISSOLVED BY ICP-MS
				MERCURY DISSOLVED
				SILICA, DISSOLVED
				PERCHLORATE BY IC
				SEMIVOLATILE ORGANICS BY GCMS
OC2-PMW20B-0-31	G048-07	07/11/06	WATER	VOLATILE ORGANICS BY GC/MS
				1,2,3-TRICHLOROPROPANE SIM
				1,4-DIOXANE BY 8270 SIM
				ANIONS BY IC
				CHROMIUM HEXAVALENT BY IC
				CYANIDE TOTAL
				SEMIVOLATILE ORGANICS SIM
				SOLIDS TOTAL DISSOLVED
				TKN
				TOTAL ORGANIC CARBON
				N-NITROSODIMETHYLAMINE BY GCMS
				METALS, DISSOLVED BY ICP-MS
				MERCURY DISSOLVED
				SILICA, DISSOLVED
				PERCHLORATE BY IC
				SEMIVOLATILE ORGANICS BY GCMS
OC2-PMW20C-0-32	G048-08	07/11/06	WATER	VOLATILE ORGANICS BY GC/MS
				1,2,3-TRICHLOROPROPANE SIM
				1,4-DIOXANE BY 8270 SIM
				ANIONS BY IC
				CHROMIUM HEXAVALENT BY IC
				CYANIDE TOTAL
				SEMIVOLATILE ORGANICS SIM
				SOLIDS TOTAL DISSOLVED
				TKN
				TOTAL ORGANIC CARBON
				N-NITROSODIMETHYLAMINE BY GCMS
				METALS, DISSOLVED BY ICP-MS
				MERCURY DISSOLVED
				SILICA, DISSOLVED
				PERCHLORATE BY IC
				SEMIVOLATILE ORGANICS BY GCMS
OC2-PMW22-0-33	G048-09	07/11/06	WATER	VOLATILE ORGANICS BY GC/MS
				1,2,3-TRICHLOROPROPANE SIM
				1,4-DIOXANE BY 8270 SIM

Sample ID	Control #	Col Date	Matrix	Analysis
				ANIONS BY IC
				CHROMIUM HEXAVALENT BY IC
				CYANIDE TOTAL
				SEMIVOLATILE ORGANICS SIM
				SOLIDS TOTAL DISSOLVED
				TKN
				TOTAL ORGANIC CARBON
				N-NITROSODIMETHYLAMINE BY GCMS
				METALS, DISSOLVED BY ICP-MS
				MERCURY DISSOLVED
				SILICA, DISSOLVED
				PERCHLORATE BY IC
				SEMIVOLATILE ORGANICS BY GCMS

Note : N-NITROSODIMETHYLAMINE BY GCMS was subcontracted to Maxxam Analytics, Inc.

The results are summarized on the following pages.

Please feel free to call if you have any questions concerning these results.

Sincerely yours,

Kam Y. Pang, Ph.D.
Laboratory Director

1-14

CHAIN OF CUSTODY

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel #: 310-618-8889 Fax #: 310-618-0818
Email: info@emaxlabs.com

PO NUMBER: CAN001646.0001
SAMPLE STORAGE
EMAX CONTROL NO. * 06G048
PROJECT CODE: CAN001646.0001

CLIENT: ARCADIS
PROJECT: [redacted] OMEGA CHEMICAL
COORDINATOR: RON HALPERN
TEL: 949-294-1532 FAX: EMAIL: RhalPERN@ARCADIS-US.COM
SEND REPORT TO: RON HALPERN
COMPANY: ARCADIS
ADDRESS: 1400 N HARBOR BLVD #700, FULLERTON CA 92835
EMAX PM: Robert

MATRIX CODE: DW=Drinking Water; GW=Ground Water; WW=Waste Water; SD=Solid Waste SL=Sludge; SS=Soil/ Sediment; WP=Wipes PP=Pure Products; AR=Air; O=

PRESERVATIVE CODE: IC = Ice; HC = HCl; HN=HNO3; SH=NaOH; ST=Na2S2O3; ZA=Zinc Acetate; HS=H_2SO_4

TAT: ☐ Rush ____hrs. ☐ Rush ____days ☐ 7 days ☒ 14 days ☐ 21 days ☐ 30 days ☐ ____days ☐

LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	DATE	TIME	CONTAINER NO.	SIZE	TYPE	MATRIX CODE	QC	VOC 8260B (HC)	1,2,3TCP 8260SIM (HC)	TOC 415.1 (HC)	SVOC 8270C (IC)	NDMA 1625 (IC)	1,4-DIOXANE 8270C SIM (IC)	DISSOLVED TAL 1 METAL (IC)	TKN 351.3 (HS)	COMMENTS
1	OC2-PMW16A-0-25		7/11/06	9:15	3	40mL	VOAs	GM		X								
2	↓		↓	↓	3	↓	↓	↓			X							
3					1	↓	↓					X						
4					2	1L	Amber						X					
5					2	1L	↓							X				
6					1	↓	↓								X			
7					1	500mL	Poly									X		NOT FILTERED
8					1	↓	↓										X	
9																		
10	↓		↓	↓				↓										

Instructions
(1) Dissolved TAL Metals (+Boron + Silicon) by 6010/200.7, 200.8, 245.1
* Samples are unfiltered - lab to filter
(2) E-mail PDF + Excel files to Ron Halpern

Cooler #	Temp. (°C)	Sample #s
1	3.0	
2	3.5	
3	3.2	
4	3.8	

SAMPLER
COURIER/AIRBILL

RELINQUISHED BY	Date	Time	RECEIVED BY
[signature]	7/11/06	17:30	[signature]
	7/11/06	1835	[signature]

NOTICE: Turn-around-time (TAT) for samples shall not begin untill all discrepancies have been resolved. For samples received and discrepacies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associted with sample disposal. Samples shall be disposed of as soon as practical (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

1001

2-14

CHAIN OF CUSTODY

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel #: 310-618-8889 Fax #: 310-618-0818
Email: info@emaxlabs.com

PO NUMBER: CA000646-0001
SAMPLE STORAGE
EMAX CONTROL NO. *
PROJECT CODE: CA000646-0001

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
COORDINATOR: RON HALPERN
TEL: 949-294-1532 FAX: EMAIL:
SEND REPORT TO: RON HALPERN
COMPANY: ARCADIS
ADDRESS: 1400 N HARBOR BLVD #100, FULLERTON, CA 92835
EMAX PM: Robert

MATRIX CODE	PRESERVATIVE CODE
DW=Drinking Water	IC = Ice
GW=Ground Water	HC = HCl
WW=Waste Water	HN=HNO3
SD=Solid Waste SL=Sludge	SH=NaOH
SS=Soil/ Sediment	ST=Na2S2O3
WP=Wipes PP=Pure Products	ZA=Zinc Acetate
AR=Air	HS=H_2SO_4
O=	

TAT: ☐ Rush ____hrs. ☐ Rush ____days ☐ 7 days ☒ 14 days ☐ 21 days ☐ 30 days ☐ ____days ☐

	SAMPLE ID LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	DATE	TIME	CONTAINER NO.	SIZE	TYPE	MATRIX CODE	QC	CYANIDE (PRESERVATIVE CODE NaOH)	ANIONS TDS Cr+6 Chloride (IC)	VOC's 8260B (HC)	COMMENTS
1	1	OC2-PMW16A-0-25		7/11/06	9:15	1	250	Poly	GW			X		
	2	↓		↓	↓	1	125	↓	↓		X			
	3													
2	4	OC2-00-W-2-28			1100	3	40mL	VOAs	↓				X	
3	5	OC2-00-W-4-29		↓	1100	1	↓	↓					X	
	6													
	7													
	8													
	9													
	0													

Instructions: Anions: Bromide, chloride, fluoride, sulfates, nitrate-N, Nitrite-N, orthophosphate by EPA 300; TDS by 160.1; perchlorate by 314; Cr^{+6} by 218.6

Cooler #	Temp. (°C)	Sample #s

SAMPLER: Seb. Pace
COURIER/AIRBILL

RELINQUISHED BY	Date	Time	RECEIVED BY
[signature]	7/11/06	17:30	[signature]
	7/11/06	18:35	

NOTICE: Turn-around-time (TAT) for samples shall not begin untill all discrepancies have been resolved. For samples received and discrepacies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associted with sample disposal. Samples shall be disposed of as soon as practical (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

1905

3-14

CHAIN OF CUSTODY

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel #: 310-618-8889 Fax #: 310-618-0818
Email: info@emaxlabs.com

PO NUMBER: CA000646.0001
SAMPLE STORAGE
EMAX CONTROL NO. *
PROJECT CODE: CA000646.0001

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL OC2
COORDINATOR: RON HALPERN
TEL: 949-294-1532 FAX: EMAIL: RHALPERN@ARCADIS-US.COM
SEND REPORT TO: RON HALPERN
COMPANY: ARCADIS
ADDRESS: 1400 N. HARBOR BLVD #700, FULLERTON, CA 92835
EMAX PM:

MATRIX CODE	PRESERVATIVE CODE
DW=Drinking Water	IC = Ice
GW=Ground Water	HC = HCl
WW=Waste Water	HN=HNO3
SD=Solid Waste SL=Sludge	SH=NaOH
SS=Soil/ Sediment	ST=Na2S2O3
WP=Wipes PP=Pure Products	ZA=Zinc Acetate
AR=Air	HS=H_2SO_4
O=	

TAT: ☐ Rush ____hrs. ☐ Rush ____days ☐ 7 days ☒ 14 days ☐ 21 days ☐ 30 days ☐ ____days ☐

LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	DATE	TIME	CONTAINER NO.	SIZE	TYPE	MATRIX CODE	QC	VOC 8260B	4,2,3TCP 8260SIM	TOC 415.1	SVOC 8270C	NDMA 1625	1,4 DIOXANE 8270C	DISSOLVED TAL METAL	TRN 357.3	COMMENTS
1	OC2-PMW16B-0-26		7/11/06	1015	3	40mL	VOAs			X								
2	↓		↓	↓	3	↓	↓				X							
3	↓		↓	↓	1	↓	↓					X						
4	↓		↓	↓	2	1 pt	Amber						X					
5	↓		↓	↓	2	↓	↓							X				
6	↓		↓	↓	1	↓	↓								X			
7	↓		↓	↓	1	500	Poly									X		NOT FILTERED
8	↓		↓	↓	1	↓	↓										X	
9																		
10	(1) Dissolved TAL Metals (+ Boron + Silicon) by 6010/6020 - Sample as unfiltered 200.8, 245.1																	

4

Instructions
(2) Anions: Bromide, Chloride, Fluoride, Sulfate, nitrates-N, nitrites-N, orthophosphate by EPA 300
TDS by 160.1; perchlorate by 314; Cr^{+6} by 218.6

Cooler # | Temp. (°C) | Sample #s

SAMPLER: Email PDF + Excel to Ron Halpern
COURIER/AIRBILL

RELINQUISHED BY	Date	Time	RECEIVED BY
[signature]	7/11/06	17:00	[signature]
[signature]	7/11/06	1835	[signature]

NOTICE: Turn-around-time (TAT) for samples shall not begin untill all discrepancies have been resolved. For samples received and discrepacies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associted with sample disposal. Samples shall be disposed of as soon as practical (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

1 of 5

4-4

CHAIN OF CUSTODY

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel #: 310-618-8889 Fax #: 310-618-0818
Email: info@emaxlabs.com

PO NUMBER CA000646.0001
SAMPLE STORAGE

EMAX CONTROL NO. *
PROJECT CODE: CA000646-0001

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL OC2
COORDINATOR: RON HALPERN
TEL: 949 294 1532 FAX: EMAIL: RHALPERN@ARCADIS-US.COM
SEND REPORT TO: RON HALPERN
COMPANY: ARCADIS
ADDRESS: 1400 N HARBOR BLVD #700, FULLERTON, CA 92835
EMAX PM:

MATRIX CODE	PRESERVATIVE CODE
DW=Drinking Water	IC = Ice
GW=Ground Water	HC = HCl
WW=Waste Water	HN=HNO3
SD=Solid Waste SL=Sludge	SH=NaOH
SS=Soil/ Sediment	ST=Na2S2O3
WP=Wipes PP=Pure Products	ZA=Zinc Acetate
AR=Air	HS=H_2SO_4
O=	

ANALYSIS REQUIRED: Cr+6, Anions, TDS, Chloride

TAT:
- ☐ Rush ____hrs.
- ☐ Rush ____days
- ☐ 7 days
- ☒ 14 days
- ☐ 21 days
- ☐ 30 days
- ☐ ____days
- ☐

LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	DATE	TIME	CONTAINER NO.	SIZE	TYPE	MATRIX CODE	QC	Match	PRESERVATIVE CODE IC						COMMENTS
1	OC2-PMW16B-0-26		7/11/06	1015	1	250	Poly	GW		X	X						
2	↓		↓	↓	1	125	Poly	GW		X	X						
3																	
4																	
5																	
6																	
7																	
8																	
9																	
0																	

4

Instructions
for Anions, ~~Chloride~~, Cr+6, TDS, perchlorate
see page 2 of 14

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	COURIER/AIRBILL RECEIVED BY
[signature]	7/11/06	17:30	[signature]
[signature]	7/11/06	1835	

NOTICE: Turn-around-time (TAT) for samples shall not begin untill all discrepancies have been resolved. For samples received and discrepacies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associted with sample disposal. Samples shall be disposed of as soon as practical (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

1001

6-14

CHAIN OF CUSTODY

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel #: 310-618-8889 Fax #: 310-618-0818
Email: info@emaxlabs.com

PO NUMBER: CA000646.0001
SAMPLE STORAGE
EMAX CONTROL NO. *
PROJECT CODE: CA000646.0001

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL OC2
COORDINATOR: RON HALPERN
TEL: 949-294-1532 FAX: EMAIL:
SEND REPORT TO: RON HALPERN
COMPANY: ARCADIS
ADDRESS: 1400 N. Harbor Blvd #700, FULLERTON, CA 92835
EMAX PM:

MATRIX CODE	PRESERVATIVE CODE
DW=Drinking Water	IC = Ice
GW=Ground Water	HC = HCl
WW=Waste Water	HN=HNO3
SD=Solid Waste SL=Sludge	SH=NaOH
SS=Soil/ Sediment	ST=Na2S2O3
WP=Wipes PP=Pure Products	ZA=Zinc Acetate
AR=Air	HS=H_2SO_4
O=	

ANALYSIS REQUIRED: 17-26 Anions, Nitrate, Chloride; CYANIDE

TAT: ☐ Rush ____hrs. ☐ Rush ____days ☐ 7 days ☐ 14 days ☐ 21 days ☐ 30 days ☐ ____days ☐

LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	DATE	TIME	CONTAINER NO.	SIZE	TYPE	MATRIX CODE	QC	PRESERVATIVE CODE IC	NaOH							COMMENTS
1	OC2-PMW16C-0-27		7/11/06	1110	1	250	Poly	GW		X								
2	↓		↓		1	125	↓	↓			X							
3																		
4																		
5																		
6																		
7																		
8																		
9																		
0																		

5

Instructions: See pg 2/14

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	RECEIVED BY
[signature]	7/11/06	17:30	[signature]
	7/11/06	1835	[signature]

COURIER/AIRBILL

NOTICE: Turn-around-time (TAT) for samples shall not begin untill all discrepancies have been resolved. For samples received and discrepacies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associted with sample disposal. Samples shall be disposed of as soon as practical (but not prior to Fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

0003

5-19

CHAIN OF CUSTODY

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel #: 310-618-8889 Fax #: 310-618-0818
Email: info@emaxlabs.com

PO NUMBER: CA000646.0001
SAMPLE STORAGE
EMAX CONTROL NO. *
PROJECT CODE: CA000646.0001

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL OC2
COORDINATOR: RON HALPERN
TEL: 949 294 1532 FAX: EMAIL:
SEND REPORT TO: RON HALPERN
COMPANY: ARCADIS
ADDRESS: 1400 N. HARBOR BLVD #700, FULLERTON, CA 92835
EMAX PM:

MATRIX CODE	PRESERVATIVE CODE
DW=Drinking Water	IC = Ice
GW=Ground Water	HC = HCl
WW=Waste Water	HN=HNO3
SD=Solid Waste SL=Sludge	SH=NaOH
SS=Soil/ Sediment	ST=Na2S2O3
WP=Wipes PP=Pure Products	ZA=Zinc Acetate
AR=Air	HS=H_2SO_4
O=	

ANALYSIS REQUIRED: VOC's 8260B; 1,4,3 TCP 8260B SIM; TOC 415.1; SVOC 8270C; NDMA 1625; Dissolved TAL METALS; TKN 351.3; 1,4 Dioxane 8270C

TAT: ☐ Rush ____hrs. ☐ Rush ____days ☐ 7 days ☒ 14 days ☐ 21 days ☐ 30 days ☐ ____days ☐

LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	DATE	TIME	CONTAINER NO.	SIZE	TYPE	MATRIX CODE	QC	HC	HC	HC	IC	IC	IC	HS		COMMENTS
1	OC2-PMW16C-0-27		7/11/06	1110	3	40mL	VOAS	GW		X								
2					3						X							
3					1							X						
4					2	1 lt	Amber						X					
5					2									X				
6					1												X	
7					1	500	Poly									X		
8					1										X			NOT FILTERED
9																		
0																		

Instructions: See pg 1 of 14

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	COURIER/AIRBILL	RECEIVED BY
	7/11/06	17:30		
	7/11/06	1835		

NOTICE: Turn-around-time (TAT) for samples shall not begin until all discrepancies have been resolved. For samples received and discrepacies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associted with sample disposal. Samples shall be disposed of as soon as practical (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

1000

7-14

CHAIN OF CUSTODY

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel #: 310-618-8889 Fax #: 310-618-0818
Email: info@emaxlabs.com

PO NUMBER: CA020646.0001
SAMPLE STORAGE

EMAX CONTROL NO. *
PROJECT CODE: CA020646.0001

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL OC2
COORDINATOR: RON HALPERN
TEL: 949 394 1532 FAX: EMAIL:
SEND REPORT TO: RON HALPERN
COMPANY: ARCADIS
ADDRESS: 1400 N. HARBOR BLVD #700, FULLERTON, CA 92835
EMAX PM:

MATRIX CODE	PRESERVATIVE CODE
DW=Drinking Water	IC = Ice
GW=Ground Water	HC = HCl
WW=Waste Water	HN=HNO3
SD=Solid Waste SL=Sludge	SH=NaOH
SS=Soil/ Sediment	ST=Na2S2O3
WP=Wipes PP=Pure Products	ZA=Zinc Acetate
AR=Air	HS=H_2SO_4
O=	

ANALYSIS REQUIRED: VOC 8260B; 1,2,3 TCP 8260 SIM; TOC 415.1; SVOC 8270C; NDMA 1625; 1,4 DIOXANE 8270C; dissolved TAL METAL; THM 3510.3

TAT: ☐ Rush ____hrs. ☐ Rush ____days ☐ 7 days ☒ 14 days ☐ 21 days ☐ 30 days ☐ ____days ☐

LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	DATE	TIME	CONTAINER NO.	SIZE	TYPE	MATRIX CODE	QC	HC	HC	HC	HC	HC	HC	HC	HS	COMMENTS
1	OC2-PMW20A-0-20		7/1/06	1215	3	40 mL	VOA	GW		X								
2					3						X							
3					1							X						
4					2	1 lt	Amber						X					
5					2									X				
6					1										X			
7					1	500	Poly									X		NOT FILTERED
8					1	500											X	
9																		
0																		

6

Instructions: See pg 1/14

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	RECEIVED BY
	7/1/06	17:30	
	7/1/06	1835	

COURIER/AIRBILL

NOTICE: Turn-around-time (TAT) for samples shall not begin untill all discrepancies have been resolved. For samples received and discrepacies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associted with sample disposal. Samples shall be disposed of as soon as practical (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

8-14

CHAIN OF CUSTODY

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel #: 310-618-8889 Fax #: 310-618-0818
Email: info@emaxlabs.com

PO NUMBER CA000646.0001
SAMPLE STORAGE

EMAX CONTROL NO. *
PROJECT CODE: CA000646.0001

CLIENT ARCADIS
PROJECT ~~[illegible]~~ OMEGA CHEMICAL
COORDINATOR RON HALPERN
TEL 949 294 1532 FAX EMAIL
SEND REPORT TO RON HALPERN
COMPANY ARCADIS
ADDRESS 1400 N. HARBOR BLVD #700
FULLERTON, CA 92835
EMAX PM

MATRIX CODE	PRESERVATIVE CODE
DW=Drinking Water	IC = Ice
GW=Ground Water	HC = HCl
WW=Waste Water	HN=HNO3
SD=Solid Waste SL=Sludge	SH=NaOH
SS=Soil/ Sediment	ST=Na2S2O3
WP=Wipes PP=Pure Products	ZA=Zinc Acetate
AR=Air	HS=H_2SO_4
O=	

ANALYSIS REQUIRED: Cl-, Br, Anion TDS; Chlorides; Cyanide

TAT:
- ☐ Rush ____hrs.
- ☐ Rush ____days
- ☐ 7 days
- ☒ 14 days
- ☐ 21 days
- ☐ 30 days
- ☐ ____days
- ☐

SAMPLE ID LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	SAMPLING DATE	SAMPLING TIME	CONTAINER NO.	CONTAINER SIZE	CONTAINER TYPE	MATRIX CODE	QC	PRESERVATIVE CODE 16	PRESERVATIVE CODE NaOH	COMMENTS
1	GC2-PMW20A-030		7/11/06	1215	1	250	PE4	GW		X		
2	↓		↓	↓	1	125	↓	↓			X	
3												
4												
5												
6												
7												
8												
9												
0												

6

Instructions
See page 2/14

Cooler #	Temp. (°C)	Sample #s

SAMPLER
COURIER/AIRBILL

RELINQUISHED BY	Date	Time	RECEIVED BY
[signature]	7/11/06	17:30	[signature]
	7/11/06	18:35	

NOTICE: Turn-around-time (TAT) for samples shall not begin untill all discrepancies have been resolved. For samples received and discrepacies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associted with sample disposal. Samples shall be disposed of as soon as practical (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

1021

9-14

CHAIN OF CUSTODY

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel #: 310-618-8889 Fax #: 310-618-0818
Email: info@emaxlabs.com

PO NUMBER: CA000646 0001
SAMPLE STORAGE
EMAX CONTROL NO. *
PROJECT CODE: CA000646 0001

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL OC2
COORDINATOR: RON HALPERN
TEL: 949 294 1532 FAX: EMAIL:
SEND REPORT TO: RON HALPERN
COMPANY: ARCADIS
ADDRESS: 1400 N. HARBOR BLVD #700, FULLERTON CA 92835
EMAX PM:

MATRIX CODE	PRESERVATIVE CODE
DW=Drinking Water	IC = Ice
GW=Ground Water	HC = HCl
WW=Waste Water	HN=HNO3
SD=Solid Waste SL=Sludge	SH=NaOH
SS=Soil/ Sediment	ST=Na2S2O3
WP=Wipes PP=Pure Products	ZA=Zinc Acetate
AR=Air	HS=H_2SO_4
O=	

ANALYSIS REQUIRED: VOC 8260B; 1,4,3 TCP 8260 SIM; TOC 415.1; SVOC 8270C; NDMA 1625; 1,4 DIOXANE 8270C; DISSOLVE TRI METAL; TKN 351.3

TAT: ☐ Rush ____hrs. ☐ Rush ____days ☐ 7 days ☒ 14 days ☐ 21 days ☐ 30 days ☐ ____days ☐

LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	DATE	TIME	CONTAINER NO.	SIZE	TYPE	MATRIX CODE	QC	PRESERVATIVE CODE VOC 8260B	1,4,3 TCP 8260 SIM	TOC 415.1	SVOC 8270C	NDMA 1625	1,4 DIOXANE 8270C	DISSOLVE TRI METAL	TKN 351.3	COMMENTS
1	OC2-PMW20B-0-34		7/11/06	13:25	3	40mL	VOA	GW		X								
2					3						X							
3					1							X						
4					2	1 lt	amber						X					
5					2									X				
6					1										X			
7					1	500	Poly									X		NOT FILTERED
8					1	500	Poly										X	
9																		
0																		

Instructions: See Pg 1/14

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	RECEIVED BY
	7/11/06	17:30	
	7/11/06	1835	

COURIER/AIRBILL

NOTICE: Turn-around-time (TAT) for samples shall not begin untill all discrepancies have been resolved. For samples received and discrepacies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associted with sample disposal. Samples shall be disposed of as soon as practical (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

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10-14

CHAIN OF CUSTODY

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel #: 310-618-8889 Fax #: 310-618-0818
Email: info@emaxlabs.com

PO NUMBER:
SAMPLE STORAGE
EMAX CONTROL NO. *
PROJECT CODE:

CLIENT: ARCADIS
PROJECT: OMEGA Chemical OC2
COORDINATOR: RON HALPERN
TEL: 949-194 1531 FAX: EMAIL:
SEND REPORT TO: RON HALPERN
COMPANY: ARCADIS
ADDRESS: 1400 N. Harbor Blvd #700, Fullerton, CA 92835
EMAX PM:

MATRIX CODE	PRESERVATIVE CODE
DW=Drinking Water	IC = Ice
GW=Ground Water	HC = HCl
WW=Waste Water	HN=HNO3
SD=Solid Waste SL=Sludge	SH=NaOH
SS=Soil/ Sediment	ST=Na2S2O3
WP=Wipes PP=Pure Products	ZA=Zinc Acetate
AR=Air	HS=H_2SO_4
O=	

ANALYSIS REQUIRED: Cr+6 by EPA 7196A; CHLORIDE

TAT: ☐ Rush ____hrs. ☐ Rush ____days ☐ 7 days ☐ 14 days ☐ 21 days ☐ 30 days ☐ ____days ☐

LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	DATE	TIME	CONTAINER NO.	SIZE	TYPE	MATRIX CODE	QC	PRESERVATIVE CODE IC	HN							COMMENTS
1	OC2-PMW20B-0-[illegible]		7/11/06	1325	1	250				X								
2	↓		↓	↓	1	125					X							
3																		
4																		
5																		
6																		
7																		
8																		
9																		
0																		

Instructions: See pg 2/14

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	RECEIVED BY
[signature]	7/11/06	17:30	[signature]
	7/11/06	1835	

COURIER/AIRBILL

NOTICE: Turn-around-time (TAT) for samples shall not begin until all discrepancies have been resolved. For samples received and discrepancies resolved ~~after 1500 hrs~~, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associted with sample disposal. Samples shall be disposed of as soon as practical (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

11-14

CHAIN OF CUSTODY

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel #: 310-618-8889 Fax #: 310-618-0818
Email: info@emaxlabs.com

PO NUMBER: CA000646.0001
SAMPLE STORAGE
EMAX CONTROL NO. *
PROJECT CODE: CA000646.0001

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL OC2
COORDINATOR: RON HALPERN
TEL: 949 294 1531 FAX: EMAIL:
SEND REPORT TO: RON HALPERN
COMPANY: ARCADIS
ADDRESS: 1400 N HARBOR BLVD #700, FULLERTON, CA 92835
EMAX PM:

MATRIX CODE	PRESERVATIVE CODE
DW=Drinking Water	IC = Ice
GW=Ground Water	HC = HCl
WW=Waste Water	HN=HNO3
SD=Solid Waste SL=Sludge	SH=NaOH
SS=Soil/ Sediment	ST=Na2S2O3
WP=Wipes PP=Pure Products	ZA=Zinc Acetate
AR=Air	HS=H_2SO_4
O=	

ANALYSIS REQUIRED: VOC 8260B; 1,2,3TCP 8260 SIM; TOC 415.1; SVOC 8270C; NDMA 1625; 1,4 DIOXANE 8270C; dissolved TAL metals; TRPH 3571.3

TAT:
- ☐ Rush ____hrs.
- ☐ Rush ____days
- ☐ 7 days
- ☒ 14 days
- ☐ 21 days
- ☐ 30 days
- ☐ ____days
- ☐

LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	DATE	TIME	CONTAINER NO.	SIZE	TYPE	MATRIX CODE	QC	HC	HC	HC	IC	IC	IC	IC	HS	COMMENTS
1	OC2-PMW20C-0-32		7/11/06	1400	3	40 mL	VOA	GW		X								
2					3						X							
3					1							X						
4					2	1 L	amber						X					
5					2									X				
6					1										X			
7					1	500	Poly									X		NOT FILTERED
8					1												X	
9																		
0																		

8

Instructions: See pg 1/14

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	COURIER/AIRBILL	RECEIVED BY
[signature]	7/11/06	17:30		[signature]
[signature]	7/12/06	1835		[signature]

NOTICE: Turn-around-time (TAT) for samples shall not begin untill all discrepancies have been resolved. For samples received and discrepacies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associted with sample disposal. Samples shall be disposed of as soon as practical (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

12-14

CHAIN OF CUSTODY

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel #: 310-618-8889 Fax #: 310-618-0818
Email: info@emaxlabs.com

PO NUMBER: CA000646.0001
SAMPLE STORAGE:
EMAX CONTROL NO. *
PROJECT CODE: CA000646.0001

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL OC2
COORDINATOR: RON HALPERN
TEL: 949 294 1532 FAX: EMAIL:
SEND REPORT TO: RON HALPERN
COMPANY: ARCADIS
ADDRESS: 1400 N. HARBOR BLVD #700, FULLERTON, CA 91835
EMAX PM:

MATRIX CODE	PRESERVATIVE CODE
DW=Drinking Water	IC = Ice
GW=Ground Water	HC = HCl
WW=Waste Water	HN=HNO3
SD=Solid Waste SL=Sludge	SH=NaOH
SS=Soil/ Sediment	ST=Na2S2O3
WP=Wipes PP=Pure Products	ZA=Zinc Acetate
AR=Air	HS=H_2SO_4
O=	

ANALYSIS REQUIRED: CL-36 ANIONS/TDS CHLORIDE; CYANIDES

TAT:
- ☐ Rush ____hrs.
- ☐ Rush ____days
- ☐ 7 days
- ☒ 14 days
- ☐ 21 days
- ☐ 30 days
- ☐ ____days
- ☐

LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	DATE	TIME	CONTAINER NO.	SIZE	TYPE	MATRIX CODE	QC	PRESERVATIVE CODE: K	Naoh							COMMENTS
8 1	OC2-PMW20C-0-32		7/1/06	1400	1	250	Poly	GW		X								
2	↓		↓	↓	1	125	↓	↓			X							
3																		
4																		
5																		
6																		
7																		
8																		
9																		
0																		

Instructions: See pg 2/14

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	COURIER/AIRBILL	RECEIVED BY
	7/1/06	1730		
	7/1/06	1935		

NOTICE: Turn-around-time (TAT) for samples shall not begin untill all discrepancies have been resolved. For samples received and discrepacies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associted with sample disposal. Samples shall be disposed of as soon as practical (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

1045

13-14

CHAIN OF CUSTODY

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel #: 310-618-8889 Fax #: 310-618-0818
Email: info@emaxlabs.com

PO NUMBER: CA0646 2001
SAMPLE STORAGE
EMAX CONTROL NO. *
PROJECT CODE: CA0006462001

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL OC 2
COORDINATOR: RON HALPERN
TEL: 949 294 1532 FAX: EMAIL:
SEND REPORT TO: RON HALPERN
COMPANY: ARCADIS
ADDRESS: 1400 N HARBOR BLVD #700, FULLERTON, CA 92835
EMAX PM:

MATRIX CODE	PRESERVATIVE CODE
DW=Drinking Water	IC = Ice
GW=Ground Water	HC = HCl
WW=Waste Water	HN=HNO3
SD=Solid Waste SL=Sludge	SH=NaOH
SS=Soil/ Sediment	ST=Na2S2O3
WP=Wipes PP=Pure Products	ZA=Zinc Acetate
AR=Air	HS=H_2SO_4
O=	

TAT: ☐ Rush ____hrs. ☐ Rush ____days ☐ 7 days ☑ 14 days ☐ 21 days ☐ 30 days ☐ ____days ☐

SAMPLE ID LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	SAMPLING DATE	SAMPLING TIME	CONTAINER NO.	CONTAINER SIZE	CONTAINER TYPE	MATRIX CODE	QC	VOC's 8260B	1,4 3TCP 8260 SIM	TOC 415.1	SVOC 8270C	NDMA 1625	1,4 Dioxane 8270C	dissolved TAL Metal	TKN	COMMENTS
1	OC2-PMW22-0-33		7/11/06	1515	3	40ML	VOA	GW		X								
2					3						X							
3					1							X						
4					2	1L	Amber						X					
5					2									X				
6					1										X			
7					1	500	Poly									X		NOT FILTERED
8					1	500											X	
9																		
10																		

Instructions

Cooler #	Temp. (°C)	Sample #s

SAMPLER

COURIER/AIRBILL

RELINQUISHED BY	Date	Time	RECEIVED BY
	7/11/06	1715	
	7/11/06	1835	

NOTICE: Turn-around-time (TAT) for samples shall not begin untill all discrepancies have been resolved. For samples received and discrepacies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associted with sample disposal. Samples shall be disposed of as soon as practical (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

1715

14-14

CHAIN OF CUSTODY

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel #: 310-618-8889 Fax #: 310-618-0818
Email: info@emaxlabs.com

PO NUMBER: CA088646.0001
SAMPLE STORAGE

EMAX CONTROL NO. *
PROJECT CODE: CA088646.0001

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL OC2
COORDINATOR: RON HALPERN
TEL: 949 249 1532 FAX: EMAIL:
SEND REPORT TO: RON HALPERN
COMPANY: ARCADIS
ADDRESS: 1400 N HARBOR BLVD #700, FULLERTON, CA 92835
EMAX PM:

MATRIX CODE	PRESERVATIVE CODE
DW=Drinking Water	IC = Ice
GW=Ground Water	HC = HCl
WW=Waste Water	HN=HNO3
SD=Solid Waste SL=Sludge	SH=NaOH
SS=Soil/ Sediment	ST=Na2S2O3
WP=Wipes PP=Pure Products	ZA=Zinc Acetate
AR=Air	HS=H_2SO_4
O=	

ANALYSIS REQUIRED: Cr 6+ ANIONS TDS Chloride; CYANIDE

TAT:
- ☐ Rush ____hrs.
- ☐ Rush ____days
- ☐ 7 days
- ☒ 14 days
- ☐ 21 days
- ☐ 30 days
- ☐ ____days
- ☐

SAMPLE ID LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	SAMPLING DATE	SAMPLING TIME	CONTAINER NO.	CONTAINER SIZE	CONTAINER TYPE	MATRIX CODE	QC	PRESERVATIVE CODE: IC	PRESERVATIVE CODE: NaOH	COMMENTS
1	OC2-PMW22-0-33		7/11/06	1515	1	250	Poly	GW		X		
2	↓		↓	↓	1	125	↓	↓			X	
3												
4												
5												
6												
7												
8												
9												
0												

9

Instructions: See pg 2/14

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	RECEIVED BY
[signature]	7/11/06	17:30	[signature]
[signature]	7/11/06	18:35	[signature]

COURIER/AIRBILL

NOTICE: Turn-around-time (TAT) for samples shall not begin untill all discrepancies have been resolved. For samples received and discrepacies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associted with sample disposal. Samples shall be disposed of as soon as practical (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

1 of 1

SAMPLE RECEIPT FORM 1

Type of Delivery	Delivered By/Airbill		
☑ EMAX Courier		ECN	066048
☐ Client Delivery		Recepient	LUNA
☐ Third Party		Date	071106
		Time	1835

COC Inspection

☑ Client Name	☑ Sampler Name	☑ Sampling Date/Time/Location
☑ Address	☑ Courier Signature/Date/Time	☑ Analysis Required
☑ Client PM/FC	☐ TAT	☑ Matrix
☑ Tel #/Fax #	☑ Sample ID	☑ Preservative (if any)
Safety Issues ☑ None	☐ High Concentrations expected	☐ Superfund Site Samples
Comments: ☐ Rad Screening Required		

Packaging Inspection

Container	☑ Cooler	☐ Box	☐	☐
Condition	☐ Custody Seal	☑ Intact	☐ Damaged	☐
Packaging	☑ Bubble Pack	☐ Styrofoam	☑ Sufficient	☑ PD
Temperatures	☑ Cooler 1 T-3.0	☑ Cooler 2 T-3.5	☑ Cooler 3 3.2	☐ Cooler 4 3.8
	☐ Cooler 5 ____	☐ Cooler 6 ____	☐ Cooler 7 ____	☐ Cooler 8 ____
	☐ Cooler 9 ____	☐ Cooler 10 ____	☐ Cooler 11 ____	☐ Cooler 12 ____

Comments:

LSCID	Client ID	Discrepancy	Corrective Action
04 # 024	OC2PMW-16B-0-26	IO READS ON LABEL OC2PMW-16B-26	Follow COC
025	↓	↓	
04 # 028		NO TIME ON LABELS	
029			
030	↓	↓	
05 # 045	OC2PMW16C-0-27	NO TIME ON LABEL.	
06 #	OC2PMW 20A-0-30	TIME READS ON LABEL 12:40	
		VS 12:15 READS ON C.O.C	
07 # 078	OC2PMW20B-0-31	NO TIME ON LABELS	
079	↓	↓	
		07 1106	

LSCID : Lab Sample Container ID

REVIEWS

Sample Labeling ____ Date 071106

SRF ____ Date 7/11/06

PM ____ Date 7/12/06

REPORTING CONVENTIONS

DATA QUALIFIERS:

Lab Qualifier	AFCEE Qualifier	Description
J	F	Indicates that the analyte is positively identified and the result is less than RL but greater than MDL.
N		Indicates presumptive evidence of a compound.
B	B	Indicates that the analyte is found in the associated method blank as well as in the sample at above QC level.
E	J	Indicates that the result is above the maximum calibration range.
*	*	Out of QC limit.

Note: The above qualifiers are used to flag the results unless the project requires a different set of qualification criteria.

ACRONYMS AND ABBREVIATIONS:

CRDL	Contract Required Detection Limit
RL	Reporting Limit
MRL	Method Reporting Limit
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
DO	Diluted out

DATES

The date and time information for leaching and preparation reflect the beginning date and time of the procedure unless the method, protocol, or project specifically requires otherwise.

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

METHOD 5030B/8260B
VOLATILE ORGANICS BY GC/MS

SDG#: 06G048

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G048**

METHOD 5030B/8260B
VOLATILE ORGANICS BY GC/MS

Nine (9) water samples were received on 07/11/06 for Volatile Organic analysis by Method 5030B/8260B in accordance with USEPA SW846, 3rd ed.

1. **Holding Time**

   Analytical holding time was met.

2. **Tuning and Calibration**

   Tuning and calibration were carried out at 12-hour interval. All QC requirements were met.

3. **Method Blank**

   Method blanks were free of contamination at the reporting limit.

4. **Surrogate Recovery**

   Recoveries were within QC limit.

5. **Lab Control Sample/Lab Control Sample Duplicate**

   Recoveries were within QC limit.

6. **Matrix Spike/Matrix Spike Duplicate**

   No MS/MSD sample was designated in this SDG.

7. **Sample Analysis**

   Samples were analyzed according to the prescribed QC procedures. All criteria were met.

LAB CHRONICLE
VOLATILE ORGANICS BY GC/MS

Client : ARCADIS
Project : OMEGA CHEMICAL

SDG NO. : 06G048
Instrument ID : T-005

WATER

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	Analysis DateTime	Extraction DateTime	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
MBLK1W	V005G25Q	1	NA	07/15/0608:06	07/15/0608:06	RGQ281	RGQ022	V005G25	Method Blank
LCS1W	V005G25L	1	NA	07/15/0606:15	07/15/0606:15	RGQ278	RGQ022	V005G25	Lab Control Sample (LCS)
LCD1W	V005G25C	1	NA	07/15/0606:52	07/15/0606:52	RGQ279	RGQ022	V005G25	LCS Duplicate
OC2-PMW16A-0-25	G048-01	1	NA	07/15/0609:57	07/15/0609:57	RGQ284	RGQ022	V005G25	Field Sample
OC2-00-W-2-28	G048-02	1	NA	07/15/0610:34	07/15/0610:34	RGQ285	RGQ022	V005G25	Field Sample
OC2-PMW16B-0-26	G048-04	1	NA	07/15/0611:11	07/15/0611:11	RGQ286	RGQ022	V005G25	Field Sample
OC2-PMW16C-0-27	G048-05	1	NA	07/15/0611:47	07/15/0611:47	RGQ287	RGQ022	V005G25	Field Sample
OC2-PMW20A-0-30	G048-06	1	NA	07/15/0612:24	07/15/0612:24	RGQ288	RGQ022	V005G25	Field Sample
OC2-PMW20B-0-31	G048-07	1	NA	07/15/0613:01	07/15/0613:01	RGQ289	RGQ022	V005G25	Field Sample
OC2-PMW20C-0-32	G048-08	1	NA	07/15/0613:38	07/15/0613:38	RGQ290	RGQ022	V005G25	Field Sample
OC2-PMW22-0-33	G048-09	1	NA	07/15/0614:15	07/15/0614:15	RGQ291	RGQ022	V005G25	Field Sample
MBLK2W	V005G28Q	1	NA	07/17/0613:33	07/17/0613:33	RGQ320	RGQ022	V005G28	Method Blank
LCS2W	V005G28L	1	NA	07/17/0611:42	07/17/0611:42	RGQ317	RGQ022	V005G28	Lab Control Sample (LCS)
LCD2W	V005B28C	1	NA	07/17/0612:19	07/17/0612:19	RGQ318	RGQ022	V005G28	LCS Duplicate
OC2-00-W-4-29	G048-03	1	NA	07/17/0619:32	07/17/0619:32	RGQ329	RGQ022	V005G28	Field Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

METHOD 5030B/8260B
VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/15/06 09:57
Sample ID:	OC2-PMW16A-0-25	Date Analyzed:	07/15/06 09:57
Lab Samp ID:	G048-01	Dilution Factor:	1
Lab File ID:	RGQ284	Matrix :	WATER
Ext Btch ID:	V005G25	% Moisture :	NA
Calib. Ref.:	RGQ022	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,1,1,2-TETRACHLOROETHANE	ND	1	.2
1,1,1-TRICHLOROETHANE	ND	.5	.2
1,1,2,2-TETRACHLOROETHANE	ND	.5	.2
1,1,2-TRICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHANE	1	.5	.2
1,1-DICHLOROETHENE	2.5	.5	.2
1,1-DICHLOROPROPENE	ND	.5	.2
1,2,3-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRIMETHYLBENZENE	ND	.5	.2
1,2-DIBROMO-3-CHLOROPROPANE	ND	1	.5
1,2-DICHLOROBENZENE	ND	.5	.2
1,2-DICHLOROETHANE	ND	.5	.2
1,2-DICHLOROPROPANE	ND	.5	.2
1,2-DIBROMOETHANE	ND	.5	.2
1,3,5-TRIMETHYLBENZENE	ND	1	.2
1,3-DICHLOROBENZENE	ND	.5	.2
1,3-DICHLOROPROPANE	ND	.5	.2
1,4-DICHLOROBENZENE	ND	.5	.2
2,2-DICHLOROPROPANE	ND	1	.2
2-CHLOROTOLUENE	ND	1	.2
4-CHLOROTOLUENE	ND	1	.2
BENZENE	ND	.5	.2
BROMODICHLOROMETHANE	1.1	.5	.2
BROMOFORM	ND	.5	.3
BROMOMETHANE	ND	.5	.2
CARBON DISULFIDE	ND	1	.2
CARBON TETRACHLORIDE	ND	.5	.2
CHLOROBENZENE	ND	1	.2
CHLOROETHANE	ND	.5	.2
CHLOROFORM	6.6	1	.2
CHLOROMETHANE	ND	1	.2
CIS-1,2-DICHLOROETHENE	4.2	.5	.2
CIS-1,3-DICHLOROPROPENE	ND	.5	.2
CYCLOHEXANE	ND	1	.2
DIBROMOCHLOROMETHANE	.35J	1	.2
DIBROMOMETHANE	ND	1	.2
DICHLORODIFLUOROMETHANE	ND	1	.3
ETHYLBENZENE	ND	.5	.2
HEXACHLOROBUTADIENE	ND	1	.2
ISOPROPYL BENZENE	ND	.5	.2
M/P-XYLENES	ND	1	.5
METHYL ACETATE	ND	1	.5
METHYLCYCLOHEXANE	ND	1	.2
METHYLENE CHLORIDE	ND	1	.5
N-BUTYLBENZENE	ND	1	.2
N-PROPYLBENZENE	ND	1	.2
NAPHTHALENE	ND	2	.5
O-XYLENE	ND	1	.2
SEC-BUTYLBENZENE	ND	1	.2
STYRENE	ND	.5	.2
TERT-BUTYLBENZENE	ND	1	.2
TETRACHLOROETHENE	3.5	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	ND	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	1.7	.5	.2
TRICHLOROFLUOROMETHANE	ND	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	.33J	1	.2
MTBE	ND	1	.2
XYLENES, TOTAL	ND	2	.7
ACETONE	ND	10	5
2-BUTANONE	ND	5	1
2-HEXANONE	ND	10	5
4-METHYL-2-PENTANONE	ND	10	5

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	103	70-140
4-BROMOFLUOROBENZENE	104	70-130
TOLUENE-D8	106	70-140

METHOD 5030B/8260B
VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/15/06 10:34
Sample ID:	OC2-00-W-2-28	Date Analyzed:	07/15/06 10:34
Lab Samp ID:	G048-02	Dilution Factor:	1
Lab File ID:	RGQ285	Matrix :	WATER
Ext Btch ID:	VO05G25	% Moisture :	NA
Calib. Ref.:	RGQ022	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,1,1,2-TETRACHLOROETHANE	ND	1	.2
1,1,1-TRICHLOROETHANE	ND	.5	.2
1,1,2,2-TETRACHLOROETHANE	ND	.5	.2
1,1,2-TRICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHENE	ND	.5	.2
1,1-DICHLOROPROPENE	ND	.5	.2
1,2,3-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRIMETHYLBENZENE	ND	.5	.2
1,2-DIBROMO-3-CHLOROPROPANE	ND	1	.5
1,2-DICHLOROBENZENE	ND	.5	.2
1,2-DICHLOROETHANE	ND	.5	.2
1,2-DICHLOROPROPANE	ND	.5	.2
1,2-DIBROMOETHANE	ND	.5	.2
1,3,5-TRIMETHYLBENZENE	ND	1	.2
1,3-DICHLOROBENZENE	ND	.5	.2
1,3-DICHLOROPROPANE	ND	.5	.2
1,4-DICHLOROBENZENE	ND	.5	.2
2,2-DICHLOROPROPANE	ND	1	.2
2-CHLOROTOLUENE	ND	1	.2
4-CHLOROTOLUENE	ND	1	.2
BENZENE	ND	.5	.2
BROMODICHLOROMETHANE	ND	.5	.2
BROMOFORM	ND	.5	.3
BROMOMETHANE	ND	.5	.2
CARBON DISULFIDE	ND	1	.2
CARBON TETRACHLORIDE	ND	.5	.2
CHLOROBENZENE	ND	1	.2
CHLOROETHANE	ND	.5	.2
CHLOROFORM	.34J	1	.2
CHLOROMETHANE	ND	1	.2
CIS-1,2-DICHLOROETHENE	ND	.5	.2
CIS-1,3-DICHLOROPROPENE	ND	.5	.2
CYCLOHEXANE	ND	1	.2
DIBROMOCHLOROMETHANE	ND	1	.2
DIBROMOMETHANE	ND	1	.2
DICHLORODIFLUOROMETHANE	ND	1	.3
ETHYLBENZENE	ND	.5	.2
HEXACHLOROBUTADIENE	ND	1	.2
ISOPROPYL BENZENE	ND	.5	.2
M/P-XYLENES	ND	1	.5
METHYL ACETATE	ND	1	.5
METHYLCYCLOHEXANE	ND	1	.2
METHYLENE CHLORIDE	ND	1	.5
N-BUTYLBENZENE	ND	1	.2
N-PROPYLBENZENE	ND	1	.2
NAPHTHALENE	ND	2	.5
O-XYLENE	ND	1	.2
SEC-BUTYLBENZENE	ND	1	.2
STYRENE	ND	.5	.2
TERT-BUTYLBENZENE	ND	1	.2
TETRACHLOROETHENE	ND	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	ND	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	ND	.5	.2
TRICHLOROFLUOROMETHANE	ND	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	ND	1	.2
MTBE	ND	1	.2
XYLENES, TOTAL	ND	2	.7
ACETONE	ND	10	5
2-BUTANONE	ND	5	1
2-HEXANONE	ND	10	5
4-METHYL-2-PENTANONE	ND	10	5

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	103	70-140
4-BROMOFLUOROBENZENE	102	70-130
TOLUENE-D8	107	70-140

METHOD 5030B/8260B
VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/17/06 19:32
Sample ID:	OC2-00-W-4-29	Date Analyzed:	07/17/06 19:32
Lab Samp ID:	G048-03	Dilution Factor:	1
Lab File ID:	RGQ329	Matrix :	WATER
Ext Btch ID:	V005G28	% Moisture :	NA
Calib. Ref.:	RGQ022	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,1,1,2-TETRACHLOROETHANE	ND	1	.2
1,1,1-TRICHLOROETHANE	ND	.5	.2
1,1,2,2-TETRACHLOROETHANE	ND	.5	.2
1,1,2-TRICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHENE	ND	.5	.2
1,1-DICHLOROPROPENE	ND	.5	.2
1,2,3-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRIMETHYLBENZENE	ND	.5	.2
1,2-DIBROMO-3-CHLOROPROPANE	ND	1	.5
1,2-DICHLOROBENZENE	ND	.5	.2
1,2-DICHLOROETHANE	ND	.5	.2
1,2-DICHLOROPROPANE	ND	.5	.2
1,2-DIBROMOETHANE	ND	.5	.2
1,3,5-TRIMETHYLBENZENE	ND	1	.2
1,3-DICHLOROBENZENE	ND	.5	.2
1,3-DICHLOROPROPANE	ND	.5	.2
1,4-DICHLOROBENZENE	ND	.5	.2
2,2-DICHLOROPROPANE	ND	1	.2
2-CHLOROTOLUENE	ND	1	.2
4-CHLOROTOLUENE	ND	1	.2
BENZENE	ND	.5	.2
BROMODICHLOROMETHANE	ND	.5	.2
BROMOFORM	ND	.5	.3
BROMOMETHANE	ND	.5	.2
CARBON DISULFIDE	ND	1	.2
CARBON TETRACHLORIDE	ND	.5	.2
CHLOROBENZENE	ND	1	.2
CHLOROETHANE	ND	.5	.2
CHLOROFORM	ND	1	.2
CHLOROMETHANE	ND	1	.2
CIS-1,2-DICHLOROETHENE	ND	.5	.2
CIS-1,3-DICHLOROPROPENE	ND	.5	.2
CYCLOHEXANE	ND	1	.2
DIBROMOCHLOROMETHANE	ND	1	.2
DIBROMOMETHANE	ND	1	.2
DICHLORODIFLUOROMETHANE	ND	1	.3
ETHYLBENZENE	ND	.5	.2
HEXACHLOROBUTADIENE	ND	1	.2
ISOPROPYL BENZENE	ND	.5	.2
M/P-XYLENES	ND	1	.5
METHYL ACETATE	ND	1	.5
METHYLCYCLOHEXANE	ND	1	.2
METHYLENE CHLORIDE	ND	1	.5
N-BUTYLBENZENE	ND	1	.2
N-PROPYLBENZENE	ND	1	.2
NAPHTHALENE	ND	2	.5
O-XYLENE	ND	1	.2
SEC-BUTYLBENZENE	ND	1	.2
STYRENE	ND	.5	.2
TERT-BUTYLBENZENE	ND	1	.2
TETRACHLOROETHENE	ND	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	ND	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	ND	.5	.2
TRICHLOROFLUOROMETHANE	.26J	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	ND	1	.2
MTBE	ND	1	.2
XYLENES, TOTAL	ND	2	.7
ACETONE	ND	10	5
2-BUTANONE	ND	5	1
2-HEXANONE	ND	10	5
4-METHYL-2-PENTANONE	ND	10	5

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	101	70-140
4-BROMOFLUOROBENZENE	105	70-130
TOLUENE-D8	107	70-140

METHOD 5030B/8260B
VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/15/06 11:11
Sample ID:	OC2-PMW16B-0-26	Date Analyzed:	07/15/06 11:11
Lab Samp ID:	G048-04	Dilution Factor:	1
Lab File ID:	RGQ286	Matrix :	WATER
Ext Btch ID:	VO05G25	% Moisture :	NA
Calib. Ref.:	RGQ022	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,1,1,2-TETRACHLOROETHANE	ND	1	.2
1,1,1-TRICHLOROETHANE	ND	.5	.2
1,1,2,2-TETRACHLOROETHANE	ND	.5	.2
1,1,2-TRICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHENE	.35J	.5	.2
1,1-DICHLOROPROPENE	ND	.5	.2
1,2,3-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRIMETHYLBENZENE	ND	.5	.2
1,2-DIBROMO-3-CHLOROPROPANE	ND	1	.5
1,2-DICHLOROBENZENE	ND	.5	.2
1,2-DICHLOROETHANE	ND	.5	.2
1,2-DICHLOROPROPANE	ND	.5	.2
1,2-DIBROMOETHANE	ND	.5	.2
1,3,5-TRIMETHYLBENZENE	ND	1	.2
1,3-DICHLOROBENZENE	ND	.5	.2
1,3-DICHLOROPROPANE	ND	.5	.2
1,4-DICHLOROBENZENE	ND	.5	.2
2,2-DICHLOROPROPANE	ND	1	.2
2-CHLOROTOLUENE	ND	1	.2
4-CHLOROTOLUENE	ND	1	.2
BENZENE	ND	.5	.2
BROMODICHLOROMETHANE	ND	.5	.2
BROMOFORM	ND	.5	.3
BROMOMETHANE	ND	.5	.2
CARBON DISULFIDE	ND	1	.2
CARBON TETRACHLORIDE	ND	.5	.2
CHLOROBENZENE	ND	1	.2
CHLOROETHANE	ND	.5	.2
CHLOROFORM	ND	1	.2
CHLOROMETHANE	ND	1	.2
CIS-1,2-DICHLOROETHENE	ND	.5	.2
CIS-1,3-DICHLOROPROPENE	ND	.5	.2
CYCLOHEXANE	ND	1	.2
DIBROMOCHLOROMETHANE	ND	1	.2
DIBROMOMETHANE	ND	1	.2
DICHLORODIFLUOROMETHANE	ND	1	.3
ETHYLBENZENE	ND	.5	.2
HEXACHLOROBUTADIENE	ND	1	.2
ISOPROPYL BENZENE	ND	.5	.2
M/P-XYLENES	ND	1	.5
METHYL ACETATE	ND	1	.5
METHYLCYCLOHEXANE	ND	1	.2
METHYLENE CHLORIDE	ND	1	.5
N-BUTYLBENZENE	ND	1	.2
N-PROPYLBENZENE	ND	1	.2
NAPHTHALENE	ND	2	.5
O-XYLENE	ND	1	.2
SEC-BUTYLBENZENE	ND	1	.2
STYRENE	ND	.5	.2
TERT-BUTYLBENZENE	ND	1	.2
TETRACHLOROETHENE	2	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	ND	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	7.8	.5	.2
TRICHLOROFLUOROMETHANE	.88J	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	1.8	1	.2
MTBE	ND	1	.2
XYLENES, TOTAL	ND	2	.7
ACETONE	ND	10	5
2-BUTANONE	ND	5	1
2-HEXANONE	ND	10	5
4-METHYL-2-PENTANONE	ND	10	5

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	102	70-140
4-BROMOFLUOROBENZENE	104	70-130
TOLUENE-D8	106	70-140

METHOD 5030B/8260B
VOLATILE ORGANICS BY GC/MS

Client : ARCADIS	Date Collected: 07/11/06
Project : OMEGA CHEMICAL	Date Received: 07/11/06
Batch No. : 06G048	Date Extracted: 07/15/06 11:47
Sample ID: OC2-PMW16C-0-27	Date Analyzed: 07/15/06 11:47
Lab Samp ID: G048-05	Dilution Factor: 1
Lab File ID: RGQ287	Matrix : WATER
Ext Btch ID: V005G25	% Moisture : NA
Calib. Ref.: RGQ022	Instrument ID : T-005

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,1,1,2-TETRACHLOROETHANE	ND	1	.2
1,1,1-TRICHLOROETHANE	ND	.5	.2
1,1,2,2-TETRACHLOROETHANE	ND	.5	.2
1,1,2-TRICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHENE	.33J	.5	.2
1,1-DICHLOROPROPENE	ND	.5	.2
1,2,3-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRIMETHYLBENZENE	ND	.5	.2
1,2-DIBROMO-3-CHLOROPROPANE	ND	1	.5
1,2-DICHLOROBENZENE	ND	.5	.2
1,2-DICHLOROETHANE	ND	.5	.2
1,2-DICHLOROPROPANE	ND	.5	.2
1,2-DIBROMOETHANE	ND	.5	.2
1,3,5-TRIMETHYLBENZENE	ND	1	.2
1,3-DICHLOROBENZENE	ND	.5	.2
1,3-DICHLOROPROPANE	ND	.5	.2
1,4-DICHLOROBENZENE	ND	.5	.2
2,2-DICHLOROPROPANE	ND	1	.2
2-CHLOROTOLUENE	ND	1	.2
4-CHLOROTOLUENE	ND	1	.2
BENZENE	ND	.5	.2
BROMODICHLOROMETHANE	ND	.5	.2
BROMOFORM	ND	.5	.3
BROMOMETHANE	ND	.5	.2
CARBON DISULFIDE	ND	1	.2
CARBON TETRACHLORIDE	ND	.5	.2
CHLOROBENZENE	ND	1	.2
CHLOROETHANE	ND	.5	.2
CHLOROFORM	.8J	1	.2
CHLOROMETHANE	ND	1	.2
CIS-1,2-DICHLOROETHENE	.42J	.5	.2
CIS-1,3-DICHLOROPROPENE	ND	.5	.2
CYCLOHEXANE	ND	1	.2
DIBROMOCHLOROMETHANE	ND	1	.2
DIBROMOMETHANE	ND	1	.2
DICHLORODIFLUOROMETHANE	ND	1	.3
ETHYLBENZENE	ND	.5	.2
HEXACHLOROBUTADIENE	ND	1	.2
ISOPROPYL BENZENE	ND	.5	.2
M/P-XYLENES	ND	1	.5
METHYL ACETATE	ND	1	.5
METHYLCYCLOHEXANE	ND	1	.2
METHYLENE CHLORIDE	ND	1	.5
N-BUTYLBENZENE	ND	1	.2
N-PROPYLBENZENE	ND	1	.2
NAPHTHALENE	ND	2	.5
O-XYLENE	ND	1	.2
SEC-BUTYLBENZENE	ND	1	.2
STYRENE	ND	.5	.2
TERT-BUTYLBENZENE	ND	1	.2
TETRACHLOROETHENE	.25J	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	ND	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	1.5	.5	.2
TRICHLOROFLUOROMETHANE	ND	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	ND	1	.2
MTBE	ND	1	.2
XYLENES, TOTAL	ND	2	.7
ACETONE	ND	10	5
2-BUTANONE	ND	5	1
2-HEXANONE	ND	10	5
4-METHYL-2-PENTANONE	ND	10	5

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	105	70-140
4-BROMOFLUOROBENZENE	102	70-130
TOLUENE-D8	106	70-140

METHOD 5030B/8260B
VOLATILE ORGANICS BY GC/MS

Client : ARCADIS	Date Collected: 07/11/06
Project : OMEGA CHEMICAL	Date Received: 07/11/06
Batch No. : 06G048	Date Extracted: 07/15/06 12:24
Sample ID: OC2-PMW20A-0-30	Date Analyzed: 07/15/06 12:24
Lab Samp ID: G048-06	Dilution Factor: 1
Lab File ID: RGQ288	Matrix : WATER
Ext Btch ID: VO05G25	% Moisture : NA
Calib. Ref.: RGQ022	Instrument ID : T-005

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,1,1,2-TETRACHLOROETHANE	ND	1	.2
1,1,1-TRICHLOROETHANE	ND	.5	.2
1,1,2,2-TETRACHLOROETHANE	ND	.5	.2
1,1,2-TRICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHANE	2.3	.5	.2
1,1-DICHLOROETHENE	11	.5	.2
1,1-DICHLOROPROPENE	ND	.5	.2
1,2,3-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRIMETHYLBENZENE	ND	.5	.2
1,2-DIBROMO-3-CHLOROPROPANE	ND	1	.5
1,2-DICHLOROBENZENE	ND	.5	.2
1,2-DICHLOROETHANE	.43J	.5	.2
1,2-DICHLOROPROPANE	.72	.5	.2
1,2-DIBROMOETHANE	ND	.5	.2
1,3,5-TRIMETHYLBENZENE	ND	1	.2
1,3-DICHLOROBENZENE	ND	.5	.2
1,3-DICHLOROPROPANE	ND	.5	.2
1,4-DICHLOROBENZENE	ND	.5	.2
2,2-DICHLOROPROPANE	ND	1	.2
2-CHLOROTOLUENE	ND	1	.2
4-CHLOROTOLUENE	ND	1	.2
BENZENE	ND	.5	.2
BROMODICHLOROMETHANE	ND	.5	.2
BROMOFORM	ND	.5	.3
BROMOMETHANE	ND	.5	.2
CARBON DISULFIDE	ND	1	.2
CARBON TETRACHLORIDE	ND	.5	.2
CHLOROBENZENE	ND	1	.2
CHLOROETHANE	ND	.5	.2
CHLOROFORM	.67J	1	.2
CHLOROMETHANE	ND	1	.2
CIS-1,2-DICHLOROETHENE	1.3	.5	.2
CIS-1,3-DICHLOROPROPENE	ND	.5	.2
CYCLOHEXANE	ND	1	.2
DIBROMOCHLOROMETHANE	ND	1	.2
DIBROMOMETHANE	ND	1	.2
DICHLORODIFLUOROMETHANE	ND	1	.3
ETHYLBENZENE	ND	.5	.2
HEXACHLOROBUTADIENE	ND	1	.2
ISOPROPYL BENZENE	ND	.5	.2
M/P-XYLENES	ND	1	.5
METHYL ACETATE	ND	1	.5
METHYLCYCLOHEXANE	ND	1	.2
METHYLENE CHLORIDE	ND	1	.5
N-BUTYLBENZENE	ND	1	.2
N-PROPYLBENZENE	ND	1	.2
NAPHTHALENE	ND	2	.5
O-XYLENE	ND	1	.2
SEC-BUTYLBENZENE	ND	1	.2
STYRENE	ND	.5	.2
TERT-BUTYLBENZENE	ND	1	.2
TETRACHLOROETHENE	31	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	ND	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	44	.5	.2
TRICHLOROFLUOROMETHANE	4.2	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	8.6	1	.2
MTBE	ND	1	.2
XYLENES, TOTAL	ND	2	.7
ACETONE	ND	10	5
2-BUTANONE	ND	5	1
2-HEXANONE	ND	10	5
4-METHYL-2-PENTANONE	ND	10	5

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	104	70-140
4-BROMOFLUOROBENZENE	105	70-130
TOLUENE-D8	107	70-140

METHOD 5030B/8260B
VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/15/06 13:01
Sample ID:	OC2-PMW20B-0-31	Date Analyzed:	07/15/06 13:01
Lab Samp ID:	G048-07	Dilution Factor:	1
Lab File ID:	RGQ289	Matrix :	WATER
Ext Btch ID:	VO05G25	% Moisture :	NA
Calib. Ref.:	RGQ022	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,1,1,2-TETRACHLOROETHANE	ND	1	.2
1,1,1-TRICHLOROETHANE	ND	.5	.2
1,1,2,2-TETRACHLOROETHANE	ND	.5	.2
1,1,2-TRICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHANE	1.5	.5	.2
1,1-DICHLOROETHENE	5.9	.5	.2
1,1-DICHLOROPROPENE	ND	.5	.2
1,2,3-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRIMETHYLBENZENE	ND	.5	.2
1,2-DIBROMO-3-CHLOROPROPANE	ND	1	.5
1,2-DICHLOROBENZENE	ND	.5	.2
1,2-DICHLOROETHANE	1.2	.5	.2
1,2-DICHLOROPROPANE	.32J	.5	.2
1,2-DIBROMOETHANE	ND	.5	.2
1,3,5-TRIMETHYLBENZENE	ND	1	.2
1,3-DICHLOROBENZENE	ND	.5	.2
1,3-DICHLOROPROPANE	ND	.5	.2
1,4-DICHLOROBENZENE	ND	.5	.2
2,2-DICHLOROPROPANE	ND	1	.2
2-CHLOROTOLUENE	ND	1	.2
4-CHLOROTOLUENE	ND	1	.2
BENZENE	ND	.5	.2
BROMODICHLOROMETHANE	ND	.5	.2
BROMOFORM	ND	.5	.3
BROMOMETHANE	ND	.5	.2
CARBON DISULFIDE	ND	1	.2
CARBON TETRACHLORIDE	ND	.5	.2
CHLOROBENZENE	ND	1	.2
CHLOROETHANE	ND	.5	.2
CHLOROFORM	.63J	1	.2
CHLOROMETHANE	ND	1	.2
CIS-1,2-DICHLOROETHENE	.66	.5	.2
CIS-1,3-DICHLOROPROPENE	ND	.5	.2
CYCLOHEXANE	ND	1	.2
DIBROMOCHLOROMETHANE	ND	1	.2
DIBROMOMETHANE	ND	1	.2
DICHLORODIFLUOROMETHANE	ND	1	.3
ETHYLBENZENE	ND	.5	.2
HEXACHLOROBUTADIENE	ND	1	.2
ISOPROPYL BENZENE	ND	.5	.2
M/P-XYLENES	ND	1	.5
METHYL ACETATE	ND	1	.5
METHYLCYCLOHEXANE	ND	1	.2
METHYLENE CHLORIDE	ND	1	.5
N-BUTYLBENZENE	ND	1	.2
N-PROPYLBENZENE	ND	1	.2
NAPHTHALENE	ND	2	.5
O-XYLENE	ND	1	.2
SEC-BUTYLBENZENE	ND	1	.2
STYRENE	ND	.5	.2
TERT-BUTYLBENZENE	ND	1	.2
TETRACHLOROETHENE	18	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	ND	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	26	.5	.2
TRICHLOROFLUOROMETHANE	1.5	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	3.2	1	.2
MTBE	ND	1	.2
XYLENES, TOTAL	ND	2	.7
ACETONE	ND	10	5
2-BUTANONE	ND	5	1
2-HEXANONE	ND	10	5
4-METHYL-2-PENTANONE	ND	10	5

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	105	70-140
4-BROMOFLUOROBENZENE	102	70-130
TOLUENE-D8	106	70-140

METHOD 5030B/8260B
VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/15/06 13:38
Sample ID:	OC2-PMW20C-0-32	Date Analyzed:	07/15/06 13:38
Lab Samp ID:	G048-08	Dilution Factor:	1
Lab File ID:	RGQ290	Matrix :	WATER
Ext Btch ID:	VO05G25	% Moisture :	NA
Calib. Ref.:	RGQ022	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,1,1,2-TETRACHLOROETHANE	ND	1	.2
1,1,1-TRICHLOROETHANE	ND	.5	.2
1,1,2,2-TETRACHLOROETHANE	ND	.5	.2
1,1,2-TRICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHENE	.52	.5	.2
1,1-DICHLOROPROPENE	ND	.5	.2
1,2,3-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRIMETHYLBENZENE	ND	.5	.2
1,2-DIBROMO-3-CHLOROPROPANE	ND	1	.5
1,2-DICHLOROBENZENE	ND	.5	.2
1,2-DICHLOROETHANE	ND	.5	.2
1,2-DICHLOROPROPANE	ND	.5	.2
1,2-DIBROMOETHANE	ND	.5	.2
1,3,5-TRIMETHYLBENZENE	ND	1	.2
1,3-DICHLOROBENZENE	ND	.5	.2
1,3-DICHLOROPROPANE	ND	.5	.2
1,4-DICHLOROBENZENE	ND	.5	.2
2,2-DICHLOROPROPANE	ND	1	.2
2-CHLOROTOLUENE	ND	1	.2
4-CHLOROTOLUENE	ND	1	.2
BENZENE	ND	.5	.2
BROMODICHLOROMETHANE	ND	.5	.2
BROMOFORM	ND	.5	.3
BROMOMETHANE	ND	.5	.2
CARBON DISULFIDE	ND	1	.2
CARBON TETRACHLORIDE	ND	.5	.2
CHLOROBENZENE	ND	1	.2
CHLOROETHANE	ND	.5	.2
CHLOROFORM	ND	1	.2
CHLOROMETHANE	ND	1	.2
CIS-1,2-DICHLOROETHENE	4.4	.5	.2
CIS-1,3-DICHLOROPROPENE	ND	.5	.2
CYCLOHEXANE	ND	1	.2
DIBROMOCHLOROMETHANE	ND	1	.2
DIBROMOMETHANE	ND	1	.2
DICHLORODIFLUOROMETHANE	ND	1	.3
ETHYLBENZENE	ND	.5	.2
HEXACHLOROBUTADIENE	ND	1	.2
ISOPROPYL BENZENE	ND	.5	.2
M/P-XYLENES	ND	1	.5
METHYL ACETATE	ND	1	.5
METHYLCYCLOHEXANE	ND	1	.2
METHYLENE CHLORIDE	ND	1	.5
N-BUTYLBENZENE	ND	1	.2
N-PROPYLBENZENE	ND	1	.2
NAPHTHALENE	ND	2	.5
O-XYLENE	ND	1	.2
SEC-BUTYLBENZENE	ND	1	.2
STYRENE	ND	.5	.2
TERT-BUTYLBENZENE	ND	1	.2
TETRACHLOROETHENE	ND	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	ND	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	2.2	.5	.2
TRICHLOROFLUOROMETHANE	ND	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	ND	1	.2
MTBE	ND	1	.2
XYLENES, TOTAL	ND	2	.7
ACETONE	ND	10	5
2-BUTANONE	ND	5	1
2-HEXANONE	ND	10	5
4-METHYL-2-PENTANONE	ND	10	5

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	105	70-140
4-BROMOFLUOROBENZENE	104	70-130
TOLUENE-D8	107	70-140

METHOD 5030B/8260B
VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/15/06 14:15
Sample ID:	OC2-PMW22-0-33	Date Analyzed:	07/15/06 14:15
Lab Samp ID:	G048-09	Dilution Factor:	1
Lab File ID:	RGQ291	Matrix :	WATER
Ext Btch ID:	VO05G25	% Moisture :	NA
Calib. Ref.:	RGQ022	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,1,1,2-TETRACHLOROETHANE	ND	1	.2
1,1,1-TRICHLOROETHANE	ND	.5	.2
1,1,2,2-TETRACHLOROETHANE	ND	.5	.2
1,1,2-TRICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHENE	ND	.5	.2
1,1-DICHLOROPROPENE	ND	.5	.2
1,2,3-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRIMETHYLBENZENE	ND	.5	.2
1,2-DIBROMO-3-CHLOROPROPANE	ND	1	.5
1,2-DICHLOROBENZENE	ND	.5	.2
1,2-DICHLOROETHANE	ND	.5	.2
1,2-DICHLOROPROPANE	ND	.5	.2
1,2-DIBROMOETHANE	ND	.5	.2
1,3,5-TRIMETHYLBENZENE	ND	1	.2
1,3-DICHLOROBENZENE	ND	.5	.2
1,3-DICHLOROPROPANE	ND	.5	.2
1,4-DICHLOROBENZENE	ND	.5	.2
2,2-DICHLOROPROPANE	ND	1	.2
2-CHLOROTOLUENE	ND	1	.2
4-CHLOROTOLUENE	ND	1	.2
BENZENE	ND	.5	.2
BROMODICHLOROMETHANE	ND	.5	.2
BROMOFORM	ND	.5	.3
BROMOMETHANE	ND	.5	.2
CARBON DISULFIDE	ND	1	.2
CARBON TETRACHLORIDE	ND	.5	.2
CHLOROBENZENE	ND	1	.2
CHLOROETHANE	ND	.5	.2
CHLOROFORM	.87J	1	.2
CHLOROMETHANE	ND	1	.2
CIS-1,2-DICHLOROETHENE	ND	.5	.2
CIS-1,3-DICHLOROPROPENE	ND	.5	.2
CYCLOHEXANE	ND	1	.2
DIBROMOCHLOROMETHANE	ND	1	.2
DIBROMOMETHANE	ND	1	.2
DICHLORODIFLUOROMETHANE	ND	1	.3
ETHYLBENZENE	ND	.5	.2
HEXACHLOROBUTADIENE	ND	1	.2
ISOPROPYL BENZENE	ND	.5	.2
M/P-XYLENES	ND	1	.5
METHYL ACETATE	ND	1	.5
METHYLCYCLOHEXANE	ND	1	.2
METHYLENE CHLORIDE	ND	1	.5
N-BUTYLBENZENE	ND	1	.2
N-PROPYLBENZENE	ND	1	.2
NAPHTHALENE	ND	2	.5
O-XYLENE	ND	1	.2
SEC-BUTYLBENZENE	ND	1	.2
STYRENE	ND	.5	.2
TERT-BUTYLBENZENE	ND	1	.2
TETRACHLOROETHENE	3.2	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	ND	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	1.2	.5	.2
TRICHLOROFLUOROMETHANE	ND	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	ND	1	.2
MTBE	ND	1	.2
XYLENES, TOTAL	ND	2	.7
ACETONE	ND	10	5
2-BUTANONE	ND	5	1
2-HEXANONE	ND	10	5
4-METHYL-2-PENTANONE	ND	10	5

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	104	70-140
4-BROMOFLUOROBENZENE	101	70-130
TOLUENE-D8	107	70-140

QC SUMMARIES

METHOD 5030B/8260B
VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	NA
Project	: OMEGA CHEMICAL	Date Received:	07/15/06
Batch No.	: 06G048	Date Extracted:	07/15/06 08:06
Sample ID:	MBLK1W	Date Analyzed:	07/15/06 08:06
Lab Samp ID:	V005G25Q	Dilution Factor:	1
Lab File ID:	RGQ281	Matrix :	WATER
Ext Btch ID:	V005G25	% Moisture :	NA
Calib. Ref.:	RGQ022	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,1,1,2-TETRACHLOROETHANE	ND	1	.2
1,1,1-TRICHLOROETHANE	ND	.5	.2
1,1,2,2-TETRACHLOROETHANE	ND	.5	.2
1,1,2-TRICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHENE	ND	.5	.2
1,1-DICHLOROPROPENE	ND	.5	.2
1,2,3-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRIMETHYLBENZENE	ND	.5	.2
1,2-DIBROMO-3-CHLOROPROPANE	ND	1	.5
1,2-DICHLOROBENZENE	ND	.5	.2
1,2-DICHLOROETHANE	ND	.5	.2
1,2-DICHLOROPROPANE	ND	.5	.2
1,2-DIBROMOETHANE	ND	.5	.2
1,3,5-TRIMETHYLBENZENE	ND	1	.2
1,3-DICHLOROBENZENE	ND	.5	.2
1,3-DICHLOROPROPANE	ND	.5	.2
1,4-DICHLOROBENZENE	ND	.5	.2
2,2-DICHLOROPROPANE	ND	1	.2
2-CHLOROTOLUENE	ND	1	.2
4-CHLOROTOLUENE	ND	1	.2
BENZENE	ND	.5	.2
BROMODICHLOROMETHANE	ND	.5	.2
BROMOFORM	ND	.5	.3
BROMOMETHANE	ND	.5	.2
CARBON DISULFIDE	ND	1	.2
CARBON TETRACHLORIDE	ND	.5	.2
CHLOROBENZENE	ND	1	.2
CHLOROETHANE	ND	.5	.2
CHLOROFORM	ND	1	.2
CHLOROMETHANE	ND	1	.2
CIS-1,2-DICHLOROETHENE	ND	.5	.2
CIS-1,3-DICHLOROPROPENE	ND	.5	.2
CYCLOHEXANE	ND	1	.2
DIBROMOCHLOROMETHANE	ND	1	.2
DIBROMOMETHANE	ND	1	.2
DICHLORODIFLUOROMETHANE	ND	1	.3
ETHYLBENZENE	ND	.5	.2
HEXACHLOROBUTADIENE	ND	1	.2
ISOPROPYL BENZENE	ND	.5	.2
M/P-XYLENES	ND	1	.5
METHYL ACETATE	ND	1	.5
METHYLCYCLOHEXANE	ND	1	.2
METHYLENE CHLORIDE	ND	1	.5
N-BUTYLBENZENE	ND	1	.2
N-PROPYLBENZENE	ND	1	.2
NAPHTHALENE	ND	2	.5
O-XYLENE	ND	1	.2
SEC-BUTYLBENZENE	ND	1	.2
STYRENE	ND	.5	.2
TERT-BUTYLBENZENE	ND	1	.2
TETRACHLOROETHENE	ND	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	ND	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	ND	.5	.2
TRICHLOROFLUOROMETHANE	ND	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	ND	1	.2
MTBE	ND	1	.2
XYLENES, TOTAL	ND	2	.7
ACETONE	ND	10	5
2-BUTANONE	ND	5	1
2-HEXANONE	ND	10	5
4-METHYL-2-PENTANONE	ND	10	5

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	106	70-140
4-BROMOFLUOROBENZENE	104	70-130
TOLUENE-D8	105	70-130

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: SW 5030B/8260B

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	V005G25Q	V005G25L	V005G25C		
LAB FILE ID:	RGQ281	RGQ278	RGQ279		
DATE EXTRACTED:	07/15/0608:06	07/15/0606:15	07/15/0606:52	DATE COLLECTED:	NA
DATE ANALYZED:	07/15/0608:06	07/15/0606:15	07/15/0606:52	DATE RECEIVED:	07/15/06
PREP. BATCH:	V005G25	V005G25	V005G25		
CALIB. REF:	RGQ022	RGQ022	RGQ022		

ACCESSION:

PARAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
1,1-Dichloroethene	ND	10	10.3	103	10	9.98	100	3	70-130	30
Benzene	ND	10	10.6	106	10	10.4	104	2	70-130	30
Chlorobenzene	ND	10	10.8	108	10	10.6	106	2	70-130	30
Toluene	ND	10	11	110	10	10.8	108	1	70-130	30
Trichloroethene	ND	10	10.5	105	10	10.4	104	1	70-130	30

SURROGATE PARAMETER	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	QC LIMIT (%)
1,2-Dichloroethane-d4	10	10.5	105	10	10.5	105	70-140
4-Bromofluorobenzene	10	10.2	102	10	10.2	102	70-130
Toluene-d8	10	10.6	106	10	10.7	107	70-130

METHOD 5030B/8260B
VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	NA
Project	: OMEGA CHEMICAL	Date Received:	07/17/06
Batch No.	: 06G048	Date Extracted:	07/17/06 13:33
Sample ID:	MBLK2W	Date Analyzed:	07/17/06 13:33
Lab Samp ID:	V005G28Q	Dilution Factor:	1
Lab File ID:	RGQ320	Matrix :	WATER
Ext Btch ID:	V005G28	% Moisture :	NA
Calib. Ref.:	RGQ022	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,1,1,2-TETRACHLOROETHANE	ND	1	.2
1,1,1-TRICHLOROETHANE	ND	.5	.2
1,1,2,2-TETRACHLOROETHANE	ND	.5	.2
1,1,2-TRICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHANE	ND	.5	.2
1,1-DICHLOROETHENE	ND	.5	.2
1,1-DICHLOROPROPENE	ND	.5	.2
1,2,3-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRICHLOROBENZENE	ND	1	.2
1,2,4-TRIMETHYLBENZENE	ND	.5	.2
1,2-DIBROMO-3-CHLOROPROPANE	ND	1	.5
1,2-DICHLOROBENZENE	ND	.5	.2
1,2-DICHLOROETHANE	ND	.5	.2
1,2-DICHLOROPROPANE	ND	.5	.2
1,2-DIBROMOETHANE	ND	.5	.2
1,3,5-TRIMETHYLBENZENE	ND	1	.2
1,3-DICHLOROBENZENE	ND	.5	.2
1,3-DICHLOROPROPANE	ND	.5	.2
1,4-DICHLOROBENZENE	ND	.5	.2
2,2-DICHLOROPROPANE	ND	1	.2
2-CHLOROTOLUENE	ND	1	.2
4-CHLOROTOLUENE	ND	1	.2
BENZENE	ND	.5	.2
BROMODICHLOROMETHANE	ND	.5	.2
BROMOFORM	ND	.5	.3
BROMOMETHANE	ND	.5	.2
CARBON DISULFIDE	ND	1	.2
CARBON TETRACHLORIDE	ND	.5	.2
CHLOROBENZENE	ND	1	.2
CHLOROETHANE	ND	.5	.2
CHLOROFORM	ND	1	.2
CHLOROMETHANE	ND	1	.2
CIS-1,2-DICHLOROETHENE	ND	.5	.2
CIS-1,3-DICHLOROPROPENE	ND	.5	.2
CYCLOHEXANE	ND	1	.2
DIBROMOCHLOROMETHANE	ND	1	.2
DIBROMOMETHANE	ND	1	.2
DICHLORODIFLUOROMETHANE	ND	1	.3
ETHYLBENZENE	ND	.5	.2
HEXACHLOROBUTADIENE	ND	1	.2
ISOPROPYL BENZENE	ND	.5	.2
M/P-XYLENES	ND	1	.5
METHYL ACETATE	ND	1	.5
METHYLCYCLOHEXANE	ND	1	.2
METHYLENE CHLORIDE	ND	1	.5
N-BUTYLBENZENE	ND	1	.2
N-PROPYLBENZENE	ND	1	.2
NAPHTHALENE	ND	2	.5
O-XYLENE	ND	1	.2
SEC-BUTYLBENZENE	ND	1	.2
STYRENE	ND	.5	.2
TERT-BUTYLBENZENE	ND	1	.2
TETRACHLOROETHENE	ND	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	ND	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	ND	.5	.2
TRICHLOROFLUOROMETHANE	ND	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	ND	1	.2
MTBE	ND	1	.2
XYLENES, TOTAL	ND	2	.7
ACETONE	ND	10	5
2-BUTANONE	ND	5	1
2-HEXANONE	ND	10	5
4-METHYL-2-PENTANONE	ND	10	5

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	118	70-140
4-BROMOFLUOROBENZENE	100	70-130
TOLUENE-D8	102	70-130

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: SW 5030B/8260B

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK2W				
LAB SAMP ID:	V005G28Q	V005G28L	V005B28C		
LAB FILE ID:	RGQ320	RGQ317	RGQ318		
DATE EXTRACTED:	07/17/0613:33	07/17/0611:42	07/17/0612:19	DATE COLLECTED:	NA
DATE ANALYZED:	07/17/0613:33	07/17/0611:42	07/17/0612:19	DATE RECEIVED:	07/17/06
PREP. BATCH:	V005G28	V005G28	V005G28		
CALIB. REF:	RGQ022	RGQ022	RGQ022		

ACCESSION:

PARAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
1,1-Dichloroethene	ND	10	9.19	92	10	9.08	91	1	70-130	30
Benzene	ND	10	10.5	105	10	10.6	106	1	70-130	30
Chlorobenzene	ND	10	10.7	107	10	10.5	105	2	70-130	30
Toluene	ND	10	10.9	109	10	10.9	109	0	70-130	30
Trichloroethene	ND	10	10.2	102	10	10.2	102	0	70-130	30

SURROGATE PARAMETER	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	QC LIMIT (%)
1,2-Dichloroethane-d4	10	10.8	108	10	10.4	104	70-140
4-Bromofluorobenzene	10	10.2	102	10	10.3	103	70-130
Toluene-d8	10	10.4	104	10	10.7	107	70-130

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

METHOD 5030B/8260B
1,2,3-TRICHLOROPROPANE BY 8260/SIM

SDG#: 06G048

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G048**

METHOD 5030B/8260B
1,2,3-TRICHLOROPROPANE BY 8260/SIM

Seven (7) water samples were received on 07/11/06 for Volatile Organic analysis by Method 5030B/8260B in accordance with USEPA SW846, 3rd edition.

1. **Holding Time**

   Analytical holding time was met.

2. **Tuning and Calibration**

   Tuning and calibration were carried out at 12-hour interval. All QC requirements were met.

3. **Method Blank**

   Method blank was free of contamination at reporting limit.

4. **Surrogate Recovery**

   Recoveries were within QC limits.

5. **Lab Control Sample/Lab Control Sample Duplicate**

   All recoveries were within QC limits.

6. **Matrix Spike/Matrix Spike Duplicate**

   No MS/MSD sample was analyzed in this SDG.

7. **Sample Analysis**

   Samples were analyzed according to the prescribed QC procedures. All requirements were met.

LAB CHRONICLE
1,2,3-Trichloropropane by 8260/SIM

Client : ARCADIS
Project : OMEGA CHEMICAL

SDG NO. : 06G048
Instrument ID : T-002

WATER

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	Analysis DateTime	Extraction DateTime	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
MBLK1W	V002G08Q	1	NA	07/18/0613:05	07/18/0613:05	RGP079	RAP020	V002G08	Method Blank
LCS1W	V002G08L	1	NA	07/18/0611:42	07/18/0611:42	RGP076	RAP020	V002G08	Lab Control Sample (LCS)
LCD1W	V002G08C	1	NA	07/18/0612:10	07/18/0612:10	RGP077	RAP020	V002G08	LCS Duplicate
OC2-PMW16A-0-25	G048-01	1	NA	07/18/0614:00	07/18/0614:00	RGP081	RAP020	V002G08	Field Sample
OC2-PMW16B-0-26	G048-04	1	NA	07/18/0614:28	07/18/0614:28	RGP082	RAP020	V002G08	Field Sample
OC2-PMW16C-0-27	G048-05	1	NA	07/18/0614:56	07/18/0614:56	RGP083	RAP020	V002G08	Field Sample
OC2-PMW20A-0-30	G048-06	1	NA	07/18/0615:24	07/18/0615:24	RGP084	RAP020	V002G08	Field Sample
OC2-PMW20B-0-31	G048-07	1	NA	07/18/0615:51	07/18/0615:51	RGP085	RAP020	V002G08	Field Sample
OC2-PMW20C-0-32	G048-08	1	NA	07/18/0616:19	07/18/0616:19	RGP086	RAP020	V002G08	Field Sample
OC2-PMW22-0-33	G048-09	1	NA	07/18/0616:46	07/18/0616:46	RGP087	RAP020	V002G08	Field Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

SW 5030B/8260B
1,2,3-Trichloropropane by 8260/SIM

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/18/06 14:00
Sample ID:	OC2-PMW16A-0-25	Date Analyzed:	07/18/06 14:00
Lab Samp ID:	G048-01	Dilution Factor:	1
Lab File ID:	RGP081	Matrix :	WATER
Ext Btch ID:	VOO2G08	% Moisture :	NA
Calib. Ref.:	RAP020	Instrument ID :	T-002

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,2,3-TRICHLOROPROPANE	ND	.005	.0025

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TOLUENE-D8	54	50-150

RL: Reporting Limit

SW 5030B/8260B
1,2,3-Trichloropropane by 8260/SIM

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/18/06 14:28
Sample ID:	OC2-PMW16B-0-26	Date Analyzed:	07/18/06 14:28
Lab Samp ID:	G048-04	Dilution Factor:	1
Lab File ID:	RGP082	Matrix :	WATER
Ext Btch ID:	VO02G08	% Moisture :	NA
Calib. Ref.:	RAP020	Instrument ID :	T-002

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,2,3-TRICHLOROPROPANE	ND	.005	.0025

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TOLUENE-D8	67	50-150

RL: Reporting Limit

SW 5030B/8260B
1,2,3-Trichloropropane by 8260/SIM

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/18/06 14:56
Sample ID:	OC2-PMW16C-0-27	Date Analyzed:	07/18/06 14:56
Lab Samp ID:	G048-05	Dilution Factor:	1
Lab File ID:	RGP083	Matrix :	WATER
Ext Btch ID:	VO02G08	% Moisture :	NA
Calib. Ref.:	RAP020	Instrument ID :	T-002

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,2,3-TRICHLOROPROPANE	ND	.005	.0025

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TOLUENE-D8	66	50-150

RL: Reporting Limit

SW 5030B/8260B
1,2,3-Trichloropropane by 8260/SIM

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/18/06 15:24
Sample ID:	OC2-PMW20A-0-30	Date Analyzed:	07/18/06 15:24
Lab Samp ID:	G048-06	Dilution Factor:	1
Lab File ID:	RGP084	Matrix :	WATER
Ext Btch ID:	VOO2G08	% Moisture :	NA
Calib. Ref.:	RAP020	Instrument ID :	T-002

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,2,3-TRICHLOROPROPANE	ND	.005	.0025

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TOLUENE-D8	60	50-150

RL: Reporting Limit

SW 5030B/8260B
1,2,3-Trichloropropane by 8260/SIM

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/18/06 15:51
Sample ID:	OC2-PMW20B-0-31	Date Analyzed:	07/18/06 15:51
Lab Samp ID:	G048-07	Dilution Factor:	1
Lab File ID:	RGP085	Matrix :	WATER
Ext Btch ID:	VOO2G08	% Moisture :	NA
Calib. Ref.:	RAP020	Instrument ID :	T-002

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,2,3-TRICHLOROPROPANE	ND	.005	.0025

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TOLUENE-D8	77	50-150

RL: Reporting Limit

SW 5030B/8260B
1,2,3-Trichloropropane by 8260/SIM

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/18/06 16:19
Sample ID:	OC2-PMW20C-0-32	Date Analyzed:	07/18/06 16:19
Lab Samp ID:	G048-08	Dilution Factor:	1
Lab File ID:	RGP086	Matrix :	WATER
Ext Btch ID:	VO02G08	% Moisture :	NA
Calib. Ref.:	RAP020	Instrument ID :	T-002

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,2,3-TRICHLOROPROPANE	ND	.005	.0025

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TOLUENE-D8	63	50-150

RL: Reporting Limit

SW 5030B/8260B
1,2,3-Trichloropropane by 8260/SIM

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/18/06 16:46
Sample ID:	OC2-PMW22-0-33	Date Analyzed:	07/18/06 16:46
Lab Samp ID:	G048-09	Dilution Factor:	1
Lab File ID:	RGP087	Matrix :	WATER
Ext Btch ID:	VOO2G08	% Moisture :	NA
Calib. Ref.:	RAP020	Instrument ID :	T-002

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,2,3-TRICHLOROPROPANE	ND	.005	.0025

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TOLUENE-D8	59	50-150

RL: Reporting Limit

QC SUMMARIES

SW 5030B/8260B
1,2,3-Trichloropropane by 8260/SIM

Client	: ARCADIS	Date Collected:	NA
Project	: OMEGA CHEMICAL	Date Received:	07/18/06
Batch No.	: 06G048	Date Extracted:	07/18/06 13:05
Sample ID:	MBLK1W	Date Analyzed:	07/18/06 13:05
Lab Samp ID:	V002G08Q	Dilution Factor:	1
Lab File ID:	RGP079	Matrix :	WATER
Ext Btch ID:	V002G08	% Moisture :	NA
Calib. Ref.:	RAP020	Instrument ID :	T-002

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,2,3-TRICHLOROPROPANE	ND	.005	.0025

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TOLUENE-D8	64	50-150

RL: Reporting Limit

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: SW 5030B/8260B

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	V002G08Q	V002G08L	V002G08C		
LAB FILE ID:	RGP079	RGP076	RGP077		
DATE EXTRACTED:	07/18/0613:05	07/18/0611:42	07/18/0612:10	DATE COLLECTED:	NA
DATE ANALYZED:	07/18/0613:05	07/18/0611:42	07/18/0612:10	DATE RECEIVED:	07/18/06
PREP. BATCH:	V002G08	V002G08	V002G08		
CALIB. REF:	RAP020	RAP020	RAP020		

ACCESSION:

PARAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
1,2,3-Trichloropropane	ND	.05	.0484	97	.05	.0477	95	2	50-150	20

SURROGATE PARAMETER	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	QC LIMIT (%)
Toluene-d8	.05	.0291	58	.05	.0302	60	50-150

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

METHOD 3520C/8270C
SEMI VOLATILE ORGANICS BY GC/MS

SDG#: 06G048

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G048**

METHOD 3520C/8270C
SEMI VOLATILE ORGANICS BY GC/MS

Seven (7) water samples were received on 07/11/06 for Semi Volatile Organic analysis by Method 3520C/8270C in accordance with USEPA SW846, 3rd ed.

1. **Holding Time**

   Analytical holding time was met.

2. **Tuning and Calibration**

   Tuning and calibration were carried out at 12-hour interval. All QC requirements were met.

3. **Method Blank**

   Method blank was free of contamination at the reporting limit.

4. **Surrogate Recovery**

   Recoveries were within QC limit.

5. **Lab Control Sample/Lab Control Sample Duplicate**

   Recoveries were within QC limit.

6. **Matrix Spike/Matrix Spike Duplicate**

   No MS/MSD sample was designated in this SDG.

7. **Sample Analysis**

   Samples were analyzed according to the prescribed QC procedures. All criteria were met.

LAB CHRONICLE
SEMI VOLATILE ORGANICS BY GC/MS

Client : ARCADIS
Project : OMEGA CHEMICAL

SDG NO. : 06G048
Instrument ID : T-042

WATER

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	Analysis DateTime	Extraction DateTime	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
MBLK1W	SVG017WB	1	NA	07/20/0615:33	07/17/0613:00	RGX118	REX298	SVG017W	Method Blank
LCS1W	SVG017WL	1	NA	07/20/0615:59	07/17/0613:00	RGX119	REX298	SVG017W	Lab Control Sample (LCS)
LCD1W	SVG017WC	1	NA	07/20/0616:24	07/17/0613:00	RGX120	REX298	SVG017W	LCS Duplicate
OC2-PMW16A-0-25	G048-01	.94	NA	07/20/0617:40	07/17/0613:00	RGX123	REX298	SVG017W	Field Sample
OC2-PMW16B-0-26	G048-04	.94	NA	07/20/0618:05	07/17/0613:00	RGX124	REX298	SVG017W	Field Sample
OC2-PMW16C-0-27	G048-05	.94	NA	07/20/0618:30	07/17/0613:00	RGX125	REX298	SVG017W	Field Sample
OC2-PMW20A-0-30	G048-06	.94	NA	07/20/0618:55	07/17/0613:00	RGX126	REX298	SVG017W	Field Sample
OC2-PMW20B-0-31	G048-07	.94	NA	07/20/0619:21	07/17/0613:00	RGX127	REX298	SVG017W	Field Sample
OC2-PMW20C-0-32	G048-08	.94	NA	07/20/0619:46	07/17/0613:00	RGX128	REX298	SVG017W	Field Sample
OC2-PMW22-0-33	G048-09	.94	NA	07/20/0620:11	07/17/0613:00	RGX129	REX298	SVG017W	Field Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

METHOD 3520C/8270C
SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/17/06 13:00
Sample ID:	OC2-PMW16A-0-25	Date Analyzed:	07/20/06 17:40
Lab Samp ID:	G048-01	Dilution Factor:	.94
Lab File ID:	RGX123	Matrix	: WATER
Ext Btch ID:	SVG017W	% Moisture	: NA
Calib. Ref.:	REX298	Instrument ID	: T-042

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
2,4,5-TRICHLOROPHENOL	ND	9.4	4.7
2,4,6-TRICHLOROPHENOL	ND	9.4	4.7
2,4-DICHLOROPHENOL	ND	9.4	4.7
2,4-DIMETHYLPHENOL	ND	9.4	4.7
2,4-DINITROPHENOL	ND	19	4.7
2,4-DINITROTOLUENE	ND	9.4	4.7
2,6-DINITROTOLUENE	ND	9.4	4.7
2-CHLORONAPHTHALENE	ND	9.4	4.7
2-CHLOROPHENOL	ND	9.4	4.7
2-METHYLNAPHTHALENE	ND	9.4	4.7
2-METHYLPHENOL	ND	9.4	4.7
2-NITROANILINE	ND	9.4	4.7
3,3'-DICHLOROBENZIDINE	ND	9.4	4.7
3-NITROANILINE	ND	9.4	4.7
4,6-DINITRO-2-METHYLPHENOL	ND	19	4.7
4-BROMOPHENYL-PHENYL ETHER	ND	9.4	4.7
4-CHLORO-3-METHYLPHENOL	ND	9.4	4.7
4-CHLOROANILINE	ND	9.4	4.7
4-CHLOROPHENYL-PHENYL ETHER	ND	9.4	4.7
4-METHYLPHENOL (1)	ND	9.4	4.7
4-NITROANILINE	ND	9.4	4.7
4-NITROPHENOL	ND	19	4.7
ACENAPHTHENE	ND	9.4	4.7
ACENAPHTHYLENE	ND	9.4	4.7
ANTHRACENE	ND	9.4	4.7
BENZO(A)ANTHRACENE	ND	9.4	4.7
BENZO(B)FLUORANTHENE	ND	9.4	4.7
BENZO(K)FLUORANTHENE	ND	9.4	4.7
BENZO(G,H,I)PERYLENE	ND	9.4	4.7
BIS(2-CHLOROETHOXY)METHANE	ND	9.4	4.7
BIS(2-CHLOROETHYL)ETHER	ND	9.4	4.7
BIS(2-CHLOROISOPROPYL)ETHER	ND	9.4	4.7
BUTYLBENZYLPHTHALATE	ND	9.4	4.7
CHRYSENE	ND	9.4	4.7
DI-N-BUTYLPHTHALATE	ND	9.4	4.7
DIBENZO(A,H)ANTHRACENE	ND	9.4	4.7
DIBENZOFURAN	ND	9.4	4.7
DIETHYLPHTHALATE	ND	9.4	4.7
DIMETHYLPHTHALATE	ND	9.4	4.7
FLUORANTHENE	ND	9.4	4.7
FLUORENE	ND	9.4	4.7
HEXACHLOROCYCLOPENTADIENE	ND	9.4	4.7
HEXACHLOROETHANE	ND	9.4	4.7
INDENO(1,2,3-CD)PYRENE	ND	9.4	4.7
ISOPHORONE	ND	9.4	4.7
PHENANTHRENE	ND	9.4	4.7
PHENOL	ND	9.4	4.7
PYRENE	ND	9.4	4.7
ANILINE	ND	19	4.7
BENZOIC ACID	ND	19	4.7
BENZYL ALCOHOL	ND	9.4	4.7
CARBAZOLE	ND	9.4	4.7
PYRIDINE	ND	38	4.7
ACETOPHENONE	ND	9.4	4.7
BENZALDEHYDE	ND	9.4	4.7
1,1-BIPHENYL	ND	9.4	4.7
CAPROLACTAM	ND	9.4	4.7

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2,4,6-TRIBROMOPHENOL	74	30-150
2-FLUOROBIPHENYL	70	30-130
2-FLUOROPHENOL	54	20-130
NITROBENZENE-D5	61	30-130
PHENOL-D5	59	30-130
TERPHENYL-D14	90	30-130

(1): Cannot be separated from 3-Methylphenol
(2): Cannot be separated from Diphenylamine

METHOD 3520C/8270C
SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/17/06 13:00
Sample ID:	OC2-PMW16B-0-26	Date Analyzed:	07/20/06 18:05
Lab Samp ID:	G048-04	Dilution Factor:	.94
Lab File ID:	RGX124	Matrix	: WATER
Ext Btch ID:	SVG017W	% Moisture	: NA
Calib. Ref.:	REX298	Instrument ID	: T-042

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
2,4,5-TRICHLOROPHENOL	ND	9.4	4.7
2,4,6-TRICHLOROPHENOL	ND	9.4	4.7
2,4-DICHLOROPHENOL	ND	9.4	4.7
2,4-DIMETHYLPHENOL	ND	9.4	4.7
2,4-DINITROPHENOL	ND	19	4.7
2,4-DINITROTOLUENE	ND	9.4	4.7
2,6-DINITROTOLUENE	ND	9.4	4.7
2-CHLORONAPHTHALENE	ND	9.4	4.7
2-CHLOROPHENOL	ND	9.4	4.7
2-METHYLNAPHTHALENE	ND	9.4	4.7
2-METHYLPHENOL	ND	9.4	4.7
2-NITROANILINE	ND	9.4	4.7
3,3'-DICHLOROBENZIDINE	ND	9.4	4.7
3-NITROANILINE	ND	9.4	4.7
4,6-DINITRO-2-METHYLPHENOL	ND	19	4.7
4-BROMOPHENYL-PHENYL ETHER	ND	9.4	4.7
4-CHLORO-3-METHYLPHENOL	ND	9.4	4.7
4-CHLOROANILINE	ND	9.4	4.7
4-CHLOROPHENYL-PHENYL ETHER	ND	9.4	4.7
4-METHYLPHENOL (1)	ND	9.4	4.7
4-NITROANILINE	ND	9.4	4.7
4-NITROPHENOL	ND	19	4.7
ACENAPHTHENE	ND	9.4	4.7
ACENAPHTHYLENE	ND	9.4	4.7
ANTHRACENE	ND	9.4	4.7
BENZO(A)ANTHRACENE	ND	9.4	4.7
BENZO(B)FLUORANTHENE	ND	9.4	4.7
BENZO(K)FLUORANTHENE	ND	9.4	4.7
BENZO(G,H,I)PERYLENE	ND	9.4	4.7
BIS(2-CHLOROETHOXY)METHANE	ND	9.4	4.7
BIS(2-CHLOROETHYL)ETHER	ND	9.4	4.7
BIS(2-CHLOROISOPROPYL)ETHER	ND	9.4	4.7
BUTYLBENZYLPHTHALATE	ND	9.4	4.7
CHRYSENE	ND	9.4	4.7
DI-N-BUTYLPHTHALATE	ND	9.4	4.7
DIBENZO(A,H)ANTHRACENE	ND	9.4	4.7
DIBENZOFURAN	ND	9.4	4.7
DIETHYLPHTHALATE	ND	9.4	4.7
DIMETHYLPHTHALATE	ND	9.4	4.7
FLUORANTHENE	ND	9.4	4.7
FLUORENE	ND	9.4	4.7
HEXACHLOROCYCLOPENTADIENE	ND	9.4	4.7
HEXACHLOROETHANE	ND	9.4	4.7
INDENO(1,2,3-CD)PYRENE	ND	9.4	4.7
ISOPHORONE	ND	9.4	4.7
PHENANTHRENE	ND	9.4	4.7
PHENOL	ND	9.4	4.7
PYRENE	ND	9.4	4.7
ANILINE	ND	19	4.7
BENZOIC ACID	ND	19	4.7
BENZYL ALCOHOL	ND	9.4	4.7
CARBAZOLE	ND	9.4	4.7
PYRIDINE	ND	38	4.7
ACETOPHENONE	ND	9.4	4.7
BENZALDEHYDE	ND	9.4	4.7
1,1-BIPHENYL	ND	9.4	4.7
CAPROLACTAM	ND	9.4	4.7

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2,4,6-TRIBROMOPHENOL	65	30-150
2-FLUOROBIPHENYL	66	30-130
2-FLUOROPHENOL	52	20-130
NITROBENZENE-D5	57	30-130
PHENOL-D5	54	30-130
TERPHENYL-D14	84	30-130

(1): Cannot be separated from 3-Methylphenol
(2): Cannot be separated from Diphenylamine

METHOD 3520C/8270C
SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/17/06 13:00
Sample ID:	OC2-PMW16C-0-27	Date Analyzed:	07/20/06 18:30
Lab Samp ID:	G048-05	Dilution Factor:	.94
Lab File ID:	RGX125	Matrix :	WATER
Ext Btch ID:	SVG017W	% Moisture :	NA
Calib. Ref.:	REX298	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
2,4,5-TRICHLOROPHENOL	ND	9.4	4.7
2,4,6-TRICHLOROPHENOL	ND	9.4	4.7
2,4-DICHLOROPHENOL	ND	9.4	4.7
2,4-DIMETHYLPHENOL	ND	9.4	4.7
2,4-DINITROPHENOL	ND	19	4.7
2,4-DINITROTOLUENE	ND	9.4	4.7
2,6-DINITROTOLUENE	ND	9.4	4.7
2-CHLORONAPHTHALENE	ND	9.4	4.7
2-CHLOROPHENOL	ND	9.4	4.7
2-METHYLNAPHTHALENE	ND	9.4	4.7
2-METHYLPHENOL	ND	9.4	4.7
2-NITROANILINE	ND	9.4	4.7
3,3'-DICHLOROBENZIDINE	ND	9.4	4.7
3-NITROANILINE	ND	9.4	4.7
4,6-DINITRO-2-METHYLPHENOL	ND	19	4.7
4-BROMOPHENYL-PHENYL ETHER	ND	9.4	4.7
4-CHLORO-3-METHYLPHENOL	ND	9.4	4.7
4-CHLOROANILINE	ND	9.4	4.7
4-CHLOROPHENYL-PHENYL ETHER	ND	9.4	4.7
4-METHYLPHENOL (1)	ND	9.4	4.7
4-NITROANILINE	ND	9.4	4.7
4-NITROPHENOL	ND	19	4.7
ACENAPHTHENE	ND	9.4	4.7
ACENAPHTHYLENE	ND	9.4	4.7
ANTHRACENE	ND	9.4	4.7
BENZO(A)ANTHRACENE	ND	9.4	4.7
BENZO(B)FLUORANTHENE	ND	9.4	4.7
BENZO(K)FLUORANTHENE	ND	9.4	4.7
BENZO(G,H,I)PERYLENE	ND	9.4	4.7
BIS(2-CHLOROETHOXY)METHANE	ND	9.4	4.7
BIS(2-CHLOROETHYL)ETHER	ND	9.4	4.7
BIS(2-CHLOROISOPROPYL)ETHER	ND	9.4	4.7
BUTYLBENZYLPHTHALATE	ND	9.4	4.7
CHRYSENE	ND	9.4	4.7
DI-N-BUTYLPHTHALATE	ND	9.4	4.7
DIBENZO(A,H)ANTHRACENE	ND	9.4	4.7
DIBENZOFURAN	ND	9.4	4.7
DIETHYLPHTHALATE	ND	9.4	4.7
DIMETHYLPHTHALATE	ND	9.4	4.7
FLUORANTHENE	ND	9.4	4.7
FLUORENE	ND	9.4	4.7
HEXACHLOROCYCLOPENTADIENE	ND	9.4	4.7
HEXACHLOROETHANE	ND	9.4	4.7
INDENO(1,2,3-CD)PYRENE	ND	9.4	4.7
ISOPHORONE	ND	9.4	4.7
PHENANTHRENE	ND	9.4	4.7
PHENOL	ND	9.4	4.7
PYRENE	ND	9.4	4.7
ANILINE	ND	19	4.7
BENZOIC ACID	ND	19	4.7
BENZYL ALCOHOL	ND	9.4	4.7
CARBAZOLE	ND	9.4	4.7
PYRIDINE	ND	38	4.7
ACETOPHENONE	ND	9.4	4.7
BENZALDEHYDE	ND	9.4	4.7
1,1-BIPHENYL	ND	9.4	4.7
CAPROLACTAM	ND	9.4	4.7

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2,4,6-TRIBROMOPHENOL	69	30-150
2-FLUOROBIPHENYL	62	30-130
2-FLUOROPHENOL	49	20-130
NITROBENZENE-D5	53	30-130
PHENOL-D5	51	30-130
TERPHENYL-D14	90	30-130

(1): Cannot be separated from 3-Methylphenol
(2): Cannot be separated from Diphenylamine

METHOD 3520C/8270C
SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/17/06 13:00
Sample ID:	OC2-PMW20A-0-30	Date Analyzed:	07/20/06 18:55
Lab Samp ID:	G048-06	Dilution Factor:	.94
Lab File ID:	RGX126	Matrix	: WATER
Ext Btch ID:	SVG017W	% Moisture	: NA
Calib. Ref.:	REX298	Instrument ID	: T-042

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
2,4,5-TRICHLOROPHENOL	ND	9.4	4.7
2,4,6-TRICHLOROPHENOL	ND	9.4	4.7
2,4-DICHLOROPHENOL	ND	9.4	4.7
2,4-DIMETHYLPHENOL	ND	9.4	4.7
2,4-DINITROPHENOL	ND	19	4.7
2,4-DINITROTOLUENE	ND	9.4	4.7
2,6-DINITROTOLUENE	ND	9.4	4.7
2-CHLORONAPHTHALENE	ND	9.4	4.7
2-CHLOROPHENOL	ND	9.4	4.7
2-METHYLNAPHTHALENE	ND	9.4	4.7
2-METHYLPHENOL	ND	9.4	4.7
2-NITROANILINE	ND	9.4	4.7
3,3'-DICHLOROBENZIDINE	ND	9.4	4.7
3-NITROANILINE	ND	9.4	4.7
4,6-DINITRO-2-METHYLPHENOL	ND	19	4.7
4-BROMOPHENYL-PHENYL ETHER	ND	9.4	4.7
4-CHLORO-3-METHYLPHENOL	ND	9.4	4.7
4-CHLOROANILINE	ND	9.4	4.7
4-CHLOROPHENYL-PHENYL ETHER	ND	9.4	4.7
4-METHYLPHENOL (1)	ND	9.4	4.7
4-NITROANILINE	ND	9.4	4.7
4-NITROPHENOL	ND	19	4.7
ACENAPHTHENE	ND	9.4	4.7
ACENAPHTHYLENE	ND	9.4	4.7
ANTHRACENE	ND	9.4	4.7
BENZO(A)ANTHRACENE	ND	9.4	4.7
BENZO(B)FLUORANTHENE	ND	9.4	4.7
BENZO(K)FLUORANTHENE	ND	9.4	4.7
BENZO(G,H,I)PERYLENE	ND	9.4	4.7
BIS(2-CHLOROETHOXY)METHANE	ND	9.4	4.7
BIS(2-CHLOROETHYL)ETHER	ND	9.4	4.7
BIS(2-CHLOROISOPROPYL)ETHER	ND	9.4	4.7
BUTYLBENZYLPHTHALATE	ND	9.4	4.7
CHRYSENE	ND	9.4	4.7
DI-N-BUTYLPHTHALATE	ND	9.4	4.7
DIBENZO(A,H)ANTHRACENE	ND	9.4	4.7
DIBENZOFURAN	ND	9.4	4.7
DIETHYLPHTHALATE	ND	9.4	4.7
DIMETHYLPHTHALATE	ND	9.4	4.7
FLUORANTHENE	ND	9.4	4.7
FLUORENE	ND	9.4	4.7
HEXACHLOROCYCLOPENTADIENE	ND	9.4	4.7
HEXACHLOROETHANE	ND	9.4	4.7
INDENO(1,2,3-CD)PYRENE	ND	9.4	4.7
ISOPHORONE	ND	9.4	4.7
PHENANTHRENE	ND	9.4	4.7
PHENOL	ND	9.4	4.7
PYRENE	ND	9.4	4.7
ANILINE	ND	19	4.7
BENZOIC ACID	ND	19	4.7
BENZYL ALCOHOL	ND	9.4	4.7
CARBAZOLE	ND	9.4	4.7
PYRIDINE	ND	38	4.7
ACETOPHENONE	ND	9.4	4.7
BENZALDEHYDE	ND	9.4	4.7
1,1-BIPHENYL	ND	9.4	4.7
CAPROLACTAM	ND	9.4	4.7

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2,4,6-TRIBROMOPHENOL	60	30-150
2-FLUOROBIPHENYL	51	30-130
2-FLUOROPHENOL	40	20-130
NITROBENZENE-D5	43	30-130
PHENOL-D5	42	30-130
TERPHENYL-D14	88	30-130

(1): Cannot be separated from 3-Methylphenol
(2): Cannot be separated from Diphenylamine

METHOD 3520C/8270C
SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/17/06 13:00
Sample ID:	OC2-PMW20B-0-31	Date Analyzed:	07/20/06 19:21
Lab Samp ID:	G048-07	Dilution Factor:	.94
Lab File ID:	RGX127	Matrix	: WATER
Ext Btch ID:	SVG017W	% Moisture	: NA
Calib. Ref.:	REX298	Instrument ID	: T-042

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
2,4,5-TRICHLOROPHENOL	ND	9.4	4.7
2,4,6-TRICHLOROPHENOL	ND	9.4	4.7
2,4-DICHLOROPHENOL	ND	9.4	4.7
2,4-DIMETHYLPHENOL	ND	9.4	4.7
2,4-DINITROPHENOL	ND	19	4.7
2,4-DINITROTOLUENE	ND	9.4	4.7
2,6-DINITROTOLUENE	ND	9.4	4.7
2-CHLORONAPHTHALENE	ND	9.4	4.7
2-CHLOROPHENOL	ND	9.4	4.7
2-METHYLNAPHTHALENE	ND	9.4	4.7
2-METHYLPHENOL	ND	9.4	4.7
2-NITROANILINE	ND	9.4	4.7
3,3'-DICHLOROBENZIDINE	ND	9.4	4.7
3-NITROANILINE	ND	9.4	4.7
4,6-DINITRO-2-METHYLPHENOL	ND	19	4.7
4-BROMOPHENYL-PHENYL ETHER	ND	9.4	4.7
4-CHLORO-3-METHYLPHENOL	ND	9.4	4.7
4-CHLOROANILINE	ND	9.4	4.7
4-CHLOROPHENYL-PHENYL ETHER	ND	9.4	4.7
4-METHYLPHENOL (1)	ND	9.4	4.7
4-NITROANILINE	ND	9.4	4.7
4-NITROPHENOL	ND	19	4.7
ACENAPHTHENE	ND	9.4	4.7
ACENAPHTHYLENE	ND	9.4	4.7
ANTHRACENE	ND	9.4	4.7
BENZO(A)ANTHRACENE	ND	9.4	4.7
BENZO(B)FLUORANTHENE	ND	9.4	4.7
BENZO(K)FLUORANTHENE	ND	9.4	4.7
BENZO(G,H,I)PERYLENE	ND	9.4	4.7
BIS(2-CHLOROETHOXY)METHANE	ND	9.4	4.7
BIS(2-CHLOROETHYL)ETHER	ND	9.4	4.7
BIS(2-CHLOROISOPROPYL)ETHER	ND	9.4	4.7
BUTYLBENZYLPHTHALATE	ND	9.4	4.7
CHRYSENE	ND	9.4	4.7
DI-N-BUTYLPHTHALATE	ND	9.4	4.7
DIBENZO(A,H)ANTHRACENE	ND	9.4	4.7
DIBENZOFURAN	ND	9.4	4.7
DIETHYLPHTHALATE	ND	9.4	4.7
DIMETHYLPHTHALATE	ND	9.4	4.7
FLUORANTHENE	ND	9.4	4.7
FLUORENE	ND	9.4	4.7
HEXACHLOROCYCLOPENTADIENE	ND	9.4	4.7
HEXACHLOROETHANE	ND	9.4	4.7
INDENO(1,2,3-CD)PYRENE	ND	9.4	4.7
ISOPHORONE	ND	9.4	4.7
PHENANTHRENE	ND	9.4	4.7
PHENOL	ND	9.4	4.7
PYRENE	ND	9.4	4.7
ANILINE	ND	19	4.7
BENZOIC ACID	ND	19	4.7
BENZYL ALCOHOL	ND	9.4	4.7
CARBAZOLE	ND	9.4	4.7
PYRIDINE	ND	38	4.7
ACETOPHENONE	ND	9.4	4.7
BENZALDEHYDE	ND	9.4	4.7
1,1-BIPHENYL	ND	9.4	4.7
CAPROLACTAM	ND	9.4	4.7

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2,4,6-TRIBROMOPHENOL	61	30-150
2-FLUOROBIPHENYL	59	30-130
2-FLUOROPHENOL	46	20-130
NITROBENZENE-D5	50	30-130
PHENOL-D5	47	30-130
TERPHENYL-D14	90	30-130

(1): Cannot be separated from 3-Methylphenol
(2): Cannot be separated from Diphenylamine

METHOD 3520C/8270C
SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/17/06 13:00
Sample ID:	OC2-PMW20C-0-32	Date Analyzed:	07/20/06 19:46
Lab Samp ID:	G048-08	Dilution Factor:	.94
Lab File ID:	RGX128	Matrix :	WATER
Ext Btch ID:	SVG017W	% Moisture :	NA
Calib. Ref.:	REX298	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
2,4,5-TRICHLOROPHENOL	ND	9.4	4.7
2,4,6-TRICHLOROPHENOL	ND	9.4	4.7
2,4-DICHLOROPHENOL	ND	9.4	4.7
2,4-DIMETHYLPHENOL	ND	9.4	4.7
2,4-DINITROPHENOL	ND	19	4.7
2,4-DINITROTOLUENE	ND	9.4	4.7
2,6-DINITROTOLUENE	ND	9.4	4.7
2-CHLORONAPHTHALENE	ND	9.4	4.7
2-CHLOROPHENOL	ND	9.4	4.7
2-METHYLNAPHTHALENE	ND	9.4	4.7
2-METHYLPHENOL	ND	9.4	4.7
2-NITROANILINE	ND	9.4	4.7
3,3'-DICHLOROBENZIDINE	ND	9.4	4.7
3-NITROANILINE	ND	9.4	4.7
4,6-DINITRO-2-METHYLPHENOL	ND	19	4.7
4-BROMOPHENYL-PHENYL ETHER	ND	9.4	4.7
4-CHLORO-3-METHYLPHENOL	ND	9.4	4.7
4-CHLOROANILINE	ND	9.4	4.7
4-CHLOROPHENYL-PHENYL ETHER	ND	9.4	4.7
4-METHYLPHENOL (1)	ND	9.4	4.7
4-NITROANILINE	ND	9.4	4.7
4-NITROPHENOL	ND	19	4.7
ACENAPHTHENE	ND	9.4	4.7
ACENAPHTHYLENE	ND	9.4	4.7
ANTHRACENE	ND	9.4	4.7
BENZO(A)ANTHRACENE	ND	9.4	4.7
BENZO(B)FLUORANTHENE	ND	9.4	4.7
BENZO(K)FLUORANTHENE	ND	9.4	4.7
BENZO(G,H,I)PERYLENE	ND	9.4	4.7
BIS(2-CHLOROETHOXY)METHANE	ND	9.4	4.7
BIS(2-CHLOROETHYL)ETHER	ND	9.4	4.7
BIS(2-CHLOROISOPROPYL)ETHER	ND	9.4	4.7
BUTYLBENZYLPHTHALATE	ND	9.4	4.7
CHRYSENE	ND	9.4	4.7
DI-N-BUTYLPHTHALATE	ND	9.4	4.7
DIBENZO(A,H)ANTHRACENE	ND	9.4	4.7
DIBENZOFURAN	ND	9.4	4.7
DIETHYLPHTHALATE	ND	9.4	4.7
DIMETHYLPHTHALATE	ND	9.4	4.7
FLUORANTHENE	ND	9.4	4.7
FLUORENE	ND	9.4	4.7
HEXACHLOROCYCLOPENTADIENE	ND	9.4	4.7
HEXACHLOROETHANE	ND	9.4	4.7
INDENO(1,2,3-CD)PYRENE	ND	9.4	4.7
ISOPHORONE	ND	9.4	4.7
PHENANTHRENE	ND	9.4	4.7
PHENOL	ND	9.4	4.7
PYRENE	ND	9.4	4.7
ANILINE	ND	19	4.7
BENZOIC ACID	ND	19	4.7
BENZYL ALCOHOL	ND	9.4	4.7
CARBAZOLE	ND	9.4	4.7
PYRIDINE	ND	38	4.7
ACETOPHENONE	ND	9.4	4.7
BENZALDEHYDE	ND	9.4	4.7
1,1-BIPHENYL	ND	9.4	4.7
CAPROLACTAM	ND	9.4	4.7

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2,4,6-TRIBROMOPHENOL	63	30-150
2-FLUOROBIPHENYL	56	30-130
2-FLUOROPHENOL	45	20-130
NITROBENZENE-D5	48	30-130
PHENOL-D5	45	30-130
TERPHENYL-D14	94	30-130

(1): Cannot be separated from 3-Methylphenol
(2): Cannot be separated from Diphenylamine

METHOD 3520C/8270C
SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/17/06 13:00
Sample ID:	OC2-PMW22-0-33	Date Analyzed:	07/20/06 20:11
Lab Samp ID:	G048-09	Dilution Factor:	.94
Lab File ID:	RGX129	Matrix :	WATER
Ext Btch ID:	SVG017W	% Moisture :	NA
Calib. Ref.:	REX298	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
2,4,5-TRICHLOROPHENOL	ND	9.4	4.7
2,4,6-TRICHLOROPHENOL	ND	9.4	4.7
2,4-DICHLOROPHENOL	ND	9.4	4.7
2,4-DIMETHYLPHENOL	ND	9.4	4.7
2,4-DINITROPHENOL	ND	19	4.7
2,4-DINITROTOLUENE	ND	9.4	4.7
2,6-DINITROTOLUENE	ND	9.4	4.7
2-CHLORONAPHTHALENE	ND	9.4	4.7
2-CHLOROPHENOL	ND	9.4	4.7
2-METHYLNAPHTHALENE	ND	9.4	4.7
2-METHYLPHENOL	ND	9.4	4.7
2-NITROANILINE	ND	9.4	4.7
3,3'-DICHLOROBENZIDINE	ND	9.4	4.7
3-NITROANILINE	ND	9.4	4.7
4,6-DINITRO-2-METHYLPHENOL	ND	19	4.7
4-BROMOPHENYL-PHENYL ETHER	ND	9.4	4.7
4-CHLORO-3-METHYLPHENOL	ND	9.4	4.7
4-CHLOROANILINE	ND	9.4	4.7
4-CHLOROPHENYL-PHENYL ETHER	ND	9.4	4.7
4-METHYLPHENOL (1)	ND	9.4	4.7
4-NITROANILINE	ND	9.4	4.7
4-NITROPHENOL	ND	19	4.7
ACENAPHTHENE	ND	9.4	4.7
ACENAPHTHYLENE	ND	9.4	4.7
ANTHRACENE	ND	9.4	4.7
BENZO(A)ANTHRACENE	ND	9.4	4.7
BENZO(B)FLUORANTHENE	ND	9.4	4.7
BENZO(K)FLUORANTHENE	ND	9.4	4.7
BENZO(G,H,I)PERYLENE	ND	9.4	4.7
BIS(2-CHLOROETHOXY)METHANE	ND	9.4	4.7
BIS(2-CHLOROETHYL)ETHER	ND	9.4	4.7
BIS(2-CHLOROISOPROPYL)ETHER	ND	9.4	4.7
BUTYLBENZYLPHTHALATE	ND	9.4	4.7
CHRYSENE	ND	9.4	4.7
DI-N-BUTYLPHTHALATE	ND	9.4	4.7
DIBENZO(A,H)ANTHRACENE	ND	9.4	4.7
DIBENZOFURAN	ND	9.4	4.7
DIETHYLPHTHALATE	ND	9.4	4.7
DIMETHYLPHTHALATE	ND	9.4	4.7
FLUORANTHENE	ND	9.4	4.7
FLUORENE	ND	9.4	4.7
HEXACHLOROCYCLOPENTADIENE	ND	9.4	4.7
HEXACHLOROETHANE	ND	9.4	4.7
INDENO(1,2,3-CD)PYRENE	ND	9.4	4.7
ISOPHORONE	ND	9.4	4.7
PHENANTHRENE	ND	9.4	4.7
PHENOL	ND	9.4	4.7
PYRENE	ND	9.4	4.7
ANILINE	ND	19	4.7
BENZOIC ACID	ND	19	4.7
BENZYL ALCOHOL	ND	9.4	4.7
CARBAZOLE	ND	9.4	4.7
PYRIDINE	ND	38	4.7
ACETOPHENONE	ND	9.4	4.7
BENZALDEHYDE	ND	9.4	4.7
1,1-BIPHENYL	ND	9.4	4.7
CAPROLACTAM	ND	9.4	4.7

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2,4,6-TRIBROMOPHENOL	66	30-150
2-FLUOROBIPHENYL	65	30-130
2-FLUOROPHENOL	50	20-130
NITROBENZENE-D5	56	30-130
PHENOL-D5	52	30-130
TERPHENYL-D14	91	30-130

(1): Cannot be separated from 3-Methylphenol
(2): Cannot be separated from Diphenylamine

QC SUMMARY

METHOD 3520C/8270C
SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	NA
Project	: OMEGA CHEMICAL	Date Received:	07/17/06
Batch No.	: 06G048	Date Extracted:	07/17/06 13:00
Sample ID:	MBLK1W	Date Analyzed:	07/20/06 15:33
Lab Samp ID:	SVG017WB	Dilution Factor:	1
Lab File ID:	RGX118	Matrix :	WATER
Ext Btch ID:	SVG017W	% Moisture :	NA
Calib. Ref.:	REX298	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
2,4,5-TRICHLOROPHENOL	ND	10	5
2,4,6-TRICHLOROPHENOL	ND	10	5
2,4-DICHLOROPHENOL	ND	10	5
2,4-DIMETHYLPHENOL	ND	10	5
2,4-DINITROPHENOL	ND	20	5
2,4-DINITROTOLUENE	ND	10	5
2,6-DINITROTOLUENE	ND	10	5
2-CHLORONAPHTHALENE	ND	10	5
2-CHLOROPHENOL	ND	10	5
2-METHYLNAPHTHALENE	ND	10	5
2-METHYLPHENOL	ND	10	5
2-NITROANILINE	ND	10	5
3,3'-DICHLOROBENZIDINE	ND	10	5
3-NITROANILINE	ND	10	5
4,6-DINITRO-2-METHYLPHENOL	ND	20	5
4-BROMOPHENYL-PHENYL ETHER	ND	10	5
4-CHLORO-3-METHYLPHENOL	ND	10	5
4-CHLOROANILINE	ND	10	5
4-CHLOROPHENYL-PHENYL ETHER	ND	10	5
4-METHYLPHENOL (1)	ND	10	5
4-NITROANILINE	ND	10	5
4-NITROPHENOL	ND	20	5
ACENAPHTHENE	ND	10	5
ACENAPHTHYLENE	ND	10	5
ANTHRACENE	ND	10	5
BENZO(A)ANTHRACENE	ND	10	5
BENZO(B)FLUORANTHENE	ND	10	5
BENZO(K)FLUORANTHENE	ND	10	5
BENZO(G,H,I)PERYLENE	ND	10	5
BIS(2-CHLOROETHOXY)METHANE	ND	10	5
BIS(2-CHLOROETHYL)ETHER	ND	10	5
BIS(2-CHLOROISOPROPYL)ETHER	ND	10	5
BUTYLBENZYLPHTHALATE	ND	10	5
CHRYSENE	ND	10	5
DI-N-BUTYLPHTHALATE	ND	10	5
DIBENZO(A,H)ANTHRACENE	ND	10	5
DIBENZOFURAN	ND	10	5
DIETHYLPHTHALATE	ND	10	5
DIMETHYLPHTHALATE	ND	10	5
FLUORANTHENE	ND	10	5
FLUORENE	ND	10	5
HEXACHLOROCYCLOPENTADIENE	ND	10	5
HEXACHLOROETHANE	ND	10	5
INDENO(1,2,3-CD)PYRENE	ND	10	5
ISOPHORONE	ND	10	5
PHENANTHRENE	ND	10	5
PHENOL	ND	10	5
PYRENE	ND	10	5
ANILINE	ND	20	5
BENZOIC ACID	ND	20	5
BENZYL ALCOHOL	ND	10	5
CARBAZOLE	ND	10	5
PYRIDINE	ND	40	5
ACETOPHENONE	ND	10	5
BENZALDEHYDE	ND	10	5
1,1-BIPHENYL	ND	10	5
CAPROLACTAM	ND	10	5

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2,4,6-TRIBROMOPHENOL	53	40-140
2-FLUOROBIPHENYL	48	40-130
2-FLUOROPHENOL	41	30-130
NITROBENZENE-D5	41	40-130
PHENOL-D5	44	30-130
TERPHENYL-D14	88	50-130

(1): Cannot be separated from 3-Methylphenol
(2): Cannot be separated from Diphenylamine

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 3520C/8270C

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	SVG017WB	SVG017WL	SVG017WC		
LAB FILE ID:	RGX118	RGX119	RGX120		
DATE EXTRACTED:	07/17/0613:00	07/17/0613:00	07/17/0613:00	DATE COLLECTED:	NA
DATE ANALYZED:	07/20/0615:33	07/20/0615:59	07/20/0616:24	DATE RECEIVED:	07/17/06
PREP. BATCH:	SVG017W	SVG017W	SVG017W		
CALIB. REF:	REX298	REX298	REX298		

ACCESSION:

PARAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
2,4-Dinitrotoluene	ND	80	60.6	76	80	58.5	73	3	40-130	30
2-Chlorophenol	ND	80	40.3	50	80	38.5	48	4	30-130	30
4-Chloro-3-Methylphenol	ND	80	48.7	61	80	48	60	1	40-130	30
4-Nitrophenol	ND	80	57.4	72	80	59.3	74	3	30-130	30
Acenaphthene	ND	80	47.4	59	80	44.9	56	5	40-130	30
Phenol	ND	80	41.5	52	80	37.9	47	9	20-130	30
Pyrene	ND	80	61.3	77	80	62.2	78	2	50-130	30

SURROGATE PARAMETER	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	QC LIMIT (%)
2,4,6-Tribromophenol	150	103	68	150	112	74	40-140
2-Fluorobiphenyl	50	32.5	65	50	31	62	40-130
2-Fluorophenol	150	71.8	48	150	70.2	47	30-130
Nitrobenzene-d5	50	26.8	54	50	28.9	58	40-130
Phenol-d5	150	79	53	150	77	51	30-130
Terphenyl-d14	50	46.6	93	50	49.6	99	50-130

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

METHOD 3520C/8270C SIM
SEMI VOLATILE ORGANICS BY GC/MS

SDG#: 06G048

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G019**

METHOD 3520C/8270C SIM
SEMI VOLATILE ORGANICS BY GC/MS

Seven (7) water samples were received on 07/11/06 for Semi Volatile Organic analysis by Method 3520C/8270C SIM in accordance with USEPA SW846, 3rd ed.

1. **Holding Time**

   Analytical holding time was met.

2. **Tuning and Calibration**

   Tuning and calibration were carried out at 12-hour interval. All QC requirements were met.

3. **Method Blank**

   Method blank was free of contamination at the reporting limit.

4. **Surrogate Recovery**

   Recoveries were within QC limit.

5. **Lab Control Sample/Lab Control Sample Duplicate**

   Recoveries were within QC limit.

6. **Matrix Spike/Matrix Spike Duplicate**

   No MS/MSD sample was designated in this SDG.

7. **Sample Analysis**

   Samples were analyzed according to the prescribed QC procedures. All criteria were met.

LAB CHRONICLE
SEMI VOLATILE ORGANICS BY GC/MS

Client : ARCADIS
Project : OMEGA CHEMICAL

SDG NO. : 06G048
Instrument ID : T-048

WATER

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	Analysis DateTime	Extraction DateTime	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
MBLK1W	SVG017WB	1	NA	07/20/0616:29	07/17/0613:00	RGZ094	RFZ008	SVG017W	Method Blank
LCS1W	SVG017WL	8	NA	07/20/0616:47	07/17/0613:00	RGZ095	RFZ008	SVG017W	Lab Control Sample (LCS)
LCD1W	SVG017WC	8	NA	07/20/0617:06	07/17/0613:00	RGZ096	RFZ008	SVG017W	LCS Duplicate
OC2-PMW16A-0-25	G048-01	.94	NA	07/20/0617:25	07/17/0613:00	RGZ097	RFZ008	SVG017W	Field Sample
OC2-PMW16B-0-26	G048-04	.94	NA	07/20/0617:44	07/17/0613:00	RGZ098	RFZ008	SVG017W	Field Sample
OC2-PMW16C-0-27	G048-05	.94	NA	07/20/0618:03	07/17/0613:00	RGZ099	RFZ008	SVG017W	Field Sample
OC2-PMW20A-0-30	G048-06	.94	NA	07/20/0618:22	07/17/0613:00	RGZ100	RFZ008	SVG017W	Field Sample
OC2-PMW20B-0-31	G048-07	.94	NA	07/20/0618:41	07/17/0613:00	RGZ101	RFZ008	SVG017W	Field Sample
OC2-PMW20C-0-32	G048-08	.94	NA	07/20/0618:59	07/17/0613:00	RGZ102	RFZ008	SVG017W	Field Sample
OC2-PMW22-0-33	G048-09	.94	NA	07/20/0619:18	07/17/0613:00	RGZ103	RFZ008	SVG017W	Field Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/17/06 13:00
Sample ID:	OC2-PMW16A-0-25	Date Analyzed:	07/20/06 17:25
Lab Samp ID:	G048-01	Dilution Factor:	.94
Lab File ID:	RGZ097	Matrix :	WATER
Ext Btch ID:	SVG017W	% Moisture :	NA
Calib. Ref.:	RFZ008	Instrument ID :	T-048

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
BENZO(A)PYRENE	ND	.19	.094
BIS(2-ETHYLHEXYL)PHTHALATE	1.6J	1.9	.94
HEXACHLOROBENZENE	ND	.94	.47
PENTACHLOROPHENOL	ND	.94	.47

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TERPHENYL-D14	64	30-130
PHENOL-D5	63	30-130

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/17/06 13:00
Sample ID:	OC2-PMW16B-0-26	Date Analyzed:	07/20/06 17:44
Lab Samp ID:	G048-04	Dilution Factor:	.94
Lab File ID:	RGZ098	Matrix :	WATER
Ext Btch ID:	SVG017W	% Moisture :	NA
Calib. Ref.:	RFZ008	Instrument ID :	T-048

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
BENZO(A)PYRENE	ND	.19	.094
BIS(2-ETHYLHEXYL)PHTHALATE	4.2	1.9	.94
HEXACHLOROBENZENE	ND	.94	.47
PENTACHLOROPHENOL	ND	.94	.47

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TERPHENYL-D14	72	30-130
PHENOL-D5	65	30-130

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client : ARCADIS	Date Collected: 07/11/06
Project : OMEGA CHEMICAL	Date Received: 07/11/06
Batch No. : 06G048	Date Extracted: 07/17/06 13:00
Sample ID: OC2-PMW16C-0-27	Date Analyzed: 07/20/06 18:03
Lab Samp ID: G048-05	Dilution Factor: .94
Lab File ID: RGZ099	Matrix : WATER
Ext Btch ID: SVG017W	% Moisture : NA
Calib. Ref.: RFZ008	Instrument ID : T-048

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
BENZO(A)PYRENE	ND	.19	.094
BIS(2-ETHYLHEXYL)PHTHALATE	1.1J	1.9	.94
HEXACHLOROBENZENE	ND	.94	.47
PENTACHLOROPHENOL	ND	.94	.47

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TERPHENYL-D14	78	30-130
PHENOL-D5	54	30-130

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client : ARCADIS	Date Collected: 07/11/06
Project : OMEGA CHEMICAL	Date Received: 07/11/06
Batch No. : 06G048	Date Extracted: 07/17/06 13:00
Sample ID: OC2-PMW20A-0-30	Date Analyzed: 07/20/06 18:22
Lab Samp ID: G048-06	Dilution Factor: .94
Lab File ID: RGZ100	Matrix : WATER
Ext Btch ID: SVG017W	% Moisture : NA
Calib. Ref.: RFZ008	Instrument ID : T-048

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
BENZO(A)PYRENE	ND	.19	.094
BIS(2-ETHYLHEXYL)PHTHALATE	ND	1.9	.94
HEXACHLOROBENZENE	ND	.94	.47
PENTACHLOROPHENOL	ND	.94	.47

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TERPHENYL-D14	85	30-130
PHENOL-D5	54	30-130

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/17/06 13:00
Sample ID:	OC2-PMW20B-0-31	Date Analyzed:	07/20/06 18:41
Lab Samp ID:	G048-07	Dilution Factor:	.94
Lab File ID:	RGZ101	Matrix :	WATER
Ext Btch ID:	SVG017W	% Moisture :	NA
Calib. Ref.:	RFZ008	Instrument ID :	T-048

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
BENZO(A)PYRENE	ND	.19	.094
BIS(2-ETHYLHEXYL)PHTHALATE	1.9J	1.9	.94
HEXACHLOROBENZENE	ND	.94	.47
PENTACHLOROPHENOL	ND	.94	.47

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TERPHENYL-D14	79	30-130
PHENOL-D5	50	30-130

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/17/06 13:00
Sample ID:	OC2-PMW20C-0-32	Date Analyzed:	07/20/06 18:59
Lab Samp ID:	G048-08	Dilution Factor:	.94
Lab File ID:	RGZ102	Matrix :	WATER
Ext Btch ID:	SVG017W	% Moisture :	NA
Calib. Ref.:	RFZ008	Instrument ID :	T-048

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
BENZO(A)PYRENE	ND	.19	.094
BIS(2-ETHYLHEXYL)PHTHALATE	1.4J	1.9	.94
HEXACHLOROBENZENE	ND	.94	.47
PENTACHLOROPHENOL	ND	.94	.47

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TERPHENYL-D14	82	30-130
PHENOL-D5	54	30-130

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client : ARCADIS	Date Collected: 07/11/06
Project : OMEGA CHEMICAL	Date Received: 07/11/06
Batch No. : 06G048	Date Extracted: 07/17/06 13:00
Sample ID: OC2-PMW22-0-33	Date Analyzed: 07/20/06 19:18
Lab Samp ID: G048-09	Dilution Factor: .94
Lab File ID: RGZ103	Matrix : WATER
Ext Btch ID: SVG017W	% Moisture : NA
Calib. Ref.: RFZ008	Instrument ID : T-048

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
BENZO(A)PYRENE	ND	.19	.094
BIS(2-ETHYLHEXYL)PHTHALATE	1.1J	1.9	.94
HEXACHLOROBENZENE	ND	.94	.47
PENTACHLOROPHENOL	ND	.94	.47

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TERPHENYL-D14	81	30-130
PHENOL-D5	55	30-130

QC SUMMARY

METHOD 3520C/8270C SIM
SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	NA
Project	: OMEGA CHEMICAL	Date Received:	07/17/06
Batch No.	: 06G048	Date Extracted:	07/17/06 13:00
Sample ID:	MBLK1W	Date Analyzed:	07/20/06 16:29
Lab Samp ID:	SVG017WB	Dilution Factor:	1
Lab File ID:	RGZ094	Matrix :	WATER
Ext Btch ID:	SVG017W	% Moisture :	NA
Calib. Ref.:	RFZ008	Instrument ID :	T-048

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
BENZO(A)PYRENE	ND	.2	.1
BIS(2-ETHYLHEXYL)PHTHALATE	1J	2	1
HEXACHLOROBENZENE	ND	1	.5
PENTACHLOROPHENOL	ND	1	.5

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TERPHENYL-D14	72	30-130
PHENOL-D5	47	30-130

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 3520C/8270C SIM

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	8	8		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	SVG017WB	SVG017WL	SVG017WC		
LAB FILE ID:	RGZ094	RGZ095	RGZ096		
DATE EXTRACTED:	07/17/0613:00	07/17/0613:00	07/17/0613:00	DATE COLLECTED:	NA
DATE ANALYZED:	07/20/0616:29	07/20/0616:47	07/20/0617:06	DATE RECEIVED:	07/17/06
PREP. BATCH:	SVG017W	SVG017W	SVG017W		
CALIB. REF:	RFZ008	RFZ008	RFZ008		

ACCESSION:

PARAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
Benzo(a)pyrene	ND	80	41.7	52	80	44.7	56	7	50-130	30
bis(2-Ethylhexyl)phthalate	1J	80	48.8	60	80	51.4	63	5	30-150	30
Hexachlorobenzene	ND	80	41.9	52	80	45.1	56	7	20-130	30
Pentachlorophenol	ND	80	49.5	62	80	54.8	68	10	10-140	30

SURROGATE PARAMETER	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	QC LIMIT (%)
Terphenyl-d14	50	28.3	57	50	30.6	61	30-130
Phenol-d5	150	62.5	42	150	65	43	30-130

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

METHOD 3520C/8270C SIM
1,4-DIOXANE BY GC/MS

SDG#: 06G048

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G048**

METHOD 3520C/8270C SIM
1,4-DIOXANE BY GC/MS

Seven (7) water samples were received on 07/11/06 for 1,4-Dioxane analysis by Method 3520C/8270C SIM in accordance with USEPA SW846, 3rd ed.

1. Holding Time

Analytical holding time was met.

2. Tuning and Calibration

Tuning and calibration were carried out at 12-hour interval. All QC requirements were met.

3. Method Blank

Method blank was free of contamination at the reporting limit.

4. Surrogate Recovery

Recoveries were within QC limit.

5. Lab Control Sample/Lab Control Sample Duplicate

Recoveries were within QC limit. RPDs was above QC.

6. Matrix Spike/Matrix Spike Duplicate

No MS/MSD sample was designated in this SDG.

7. Sample Analysis

Samples were analyzed according to the prescribed QC procedures. All criteria were met.

LAB CHRONICLE
SEMI VOLATILE ORGANICS BY GC/MS

Client : ARCADIS
Project : OMEGA CHEMICAL

SDG NO. : 06G048
Instrument ID : T-052

WATER

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	Analysis DateTime	Extraction DateTime	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
MBLK1W	SVG015WB	1	NA	07/19/0613:47	07/14/0612:00	RGK047	RFK067	SVG015W	Method Blank
LCS1W	SVG015WL	1	NA	07/19/0613:58	07/14/0612:00	RGK048	RFK067	SVG015W	Lab Control Sample (LCS)
LCD1W	SVG015WC	1	NA	07/19/0614:08	07/14/0612:00	RGK049	RFK067	SVG015W	LCS Duplicate
OC2-PMW16A-0-25	G048-01W	.94	NA	07/20/0614:26	07/14/0612:00	RGK073	RFK067	SVG015W	Field Sample
OC2-PMW16B-0-26	G048-04	.94	NA	07/19/0614:30	07/14/0612:00	RGK051	RFK067	SVG015W	Field Sample
OC2-PMW16C-0-27	G048-05	.94	NA	07/19/0614:41	07/14/0612:00	RGK052	RFK067	SVG015W	Field Sample
OC2-PMW20A-0-30	G048-06	.94	NA	07/19/0614:52	07/14/0612:00	RGK053	RFK067	SVG015W	Field Sample
OC2-PMW20B-0-31	G048-07	.94	NA	07/19/0615:03	07/14/0612:00	RGK054	RFK067	SVG015W	Field Sample
OC2-PMW20C-0-32	G048-08	.94	NA	07/19/0615:14	07/14/0612:00	RGK055	RFK067	SVG015W	Field Sample
OC2-PMW22-0-33	G048-09	.94	NA	07/19/0615:25	07/14/0612:00	RGK056	RFK067	SVG015W	Field Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/14/06 12:00
Sample ID:	OC2-PMW16A-0-25	Date Analyzed:	07/20/06 14:26
Lab Samp ID:	G048-01W	Dilution Factor:	.94
Lab File ID:	RGK073	Matrix :	WATER
Ext Btch ID:	SVG015W	% Moisture :	NA
Calib. Ref.:	RFK067	Instrument ID :	T-052

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,4-DIOXANE	.96J	1.9	.94

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
BROMOBENZENE	75	18-132

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/14/06 12:00
Sample ID:	OC2-PMW16B-0-26	Date Analyzed:	07/19/06 14:30
Lab Samp ID:	G048-04	Dilution Factor:	.94
Lab File ID:	RGK051	Matrix :	WATER
Ext Btch ID:	SVG015W	% Moisture :	NA
Calib. Ref.:	RFK067	Instrument ID :	T-052

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,4-DIOXANE	ND	1.9	.94

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
BROMOBENZENE	61	18-132

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/14/06 12:00
Sample ID:	OC2-PMW16C-0-27	Date Analyzed:	07/19/06 14:41
Lab Samp ID:	G048-05	Dilution Factor:	.94
Lab File ID:	RGK052	Matrix :	WATER
Ext Btch ID:	SVG015W	% Moisture :	NA
Calib. Ref.:	RFK067	Instrument ID :	T-052

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,4-DIOXANE	ND	1.9	.94

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
BROMOBENZENE	54	18-132

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/14/06 12:00
Sample ID:	OC2-PMW20A-0-30	Date Analyzed:	07/19/06 14:52
Lab Samp ID:	G048-06	Dilution Factor:	.94
Lab File ID:	RGK053	Matrix :	WATER
Ext Btch ID:	SVG015W	% Moisture :	NA
Calib. Ref.:	RFK067	Instrument ID :	T-052

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,4-DIOXANE	3.6	1.9	.94

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
BROMOBENZENE	60	18-132

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/14/06 12:00
Sample ID:	OC2-PMW20B-0-31	Date Analyzed:	07/19/06 15:03
Lab Samp ID:	G048-07	Dilution Factor:	.94
Lab File ID:	RGK054	Matrix :	WATER
Ext Btch ID:	SVG015W	% Moisture :	NA
Calib. Ref.:	RFK067	Instrument ID :	T-052

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,4-DIOXANE	4.1	1.9	.94

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
BROMOBENZENE	72	18-132

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/14/06 12:00
Sample ID:	OC2-PMW20C-0-32	Date Analyzed:	07/19/06 15:14
Lab Samp ID:	G048-08	Dilution Factor:	.94
Lab File ID:	RGK055	Matrix :	WATER
Ext Btch ID:	SVG015W	% Moisture :	NA
Calib. Ref.:	RFK067	Instrument ID :	T-052

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,4-DIOXANE	ND	1.9	.94

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
BROMOBENZENE	79	18-132

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
Batch No.	: 06G048	Date Extracted:	07/14/06 12:00
Sample ID:	OC2-PMW22-0-33	Date Analyzed:	07/19/06 15:25
Lab Samp ID:	G048-09	Dilution Factor:	.94
Lab File ID:	RGK056	Matrix :	WATER
Ext Btch ID:	SVG015W	% Moisture :	NA
Calib. Ref.:	RFK067	Instrument ID :	T-052

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,4-DIOXANE	2.1	1.9	.94

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
BROMOBENZENE	60	18-132

QC SUMMARY

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	NA
Project	: OMEGA CHEMICAL	Date Received:	07/14/06
Batch No.	: 06G048	Date Extracted:	07/14/06 12:00
Sample ID:	MBLK1W	Date Analyzed:	07/19/06 13:47
Lab Samp ID:	SVG015WB	Dilution Factor:	1
Lab File ID:	RGK047	Matrix :	WATER
Ext Btch ID:	SVG015W	% Moisture :	NA
Calib. Ref.:	RFK067	Instrument ID :	T-052

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,4-DIOXANE	ND	2	1

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
BROMOBENZENE	48	18-132

EMAX QUALITY CONTROL DATA

LCS/LCD ANALYSIS

CLIENT: ARCADIS

PROJECT: OMEGA CHEMICAL

BATCH NO.: 06G048

METHOD: METHOD 3520C/8270C SIM

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	SVG015WB	SVG015WL	SVG015WC		
LAB FILE ID:	RGK047	RGK048	RGK049		
DATE EXTRACTED:	07/14/0612:00	07/14/0612:00	07/14/0612:00	DATE COLLECTED:	NA
DATE ANALYZED:	07/19/0613:47	07/19/0613:58	07/19/0614:08	DATE RECEIVED:	07/14/06
PREP. BATCH:	SVG015W	SVG015W	SVG015W		
CALIB. REF:	RFK067	RFK067	RFK067		

ACCESSION:

PARAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
1,4-Dioxane	ND	40	16.2	41	40	23	58	35*	40-130	30

SURROGATE PARAMETER	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	QC LIMIT (%)
Bromobenzene	40	16.1	40	40	20.9	52	18-132

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

DISSOLVED
METALS / MERCURY

SDG#: 06G048

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G048**

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Seven (7) water samples were received on 07/11/06 for Dissolved Metals analysis by Method 6020A accordance with "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW846, 3rd edition.

1. Holding Time

Analysis met holding time criteria.

2. Method Blank

Method blank was free of contamination at the reporting limit.

3. Lab Control Sample/Lab Control Sample Duplicate

Lab control results were within QC limit.

4. Serial Dilution / Post-Analytical Spike

Sample G039-01 from another SDG was analyzed for serial dilution and post-analytical spike. All QC requirements were met.

5. Matrix Spike/Matrix Spike Duplicate

No MS/MSD sample was designated in this SDG.

6. Sample Analysis

Samples were analyzed according to the prescribed QC procedures. All criteria were met.

LAB CHRONICLE
DISSOLVED METALS BY ICP-MS

Client : ARCADIS
Project : OMEGA CHEMICAL

SDG NO. : 06G048
Instrument ID : T-I98

WATER

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	Analysis DateTime	Extraction DateTime	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
MBLK1W	IMG008WB	1	NA	07/31/0617:44	07/13/0610:00	98G30027	98G30025	IMG008W	Method Blank
LCS1W	IMG008WL	1	NA	07/31/0617:53	07/13/0610:00	98G30028	98G30025	IMG008W	Lab Control Sample (LCS)
LCD1W	IMG008WC	1	NA	07/31/0618:01	07/13/0610:00	98G30029	98G30025	IMG008W	LCS Duplicate
OC2-PMW15-0-17AS	G039-01A	1	NA	07/31/0618:10	07/13/0610:00	98G30030	98G30025	IMG008W	Analytical Spike Sample
OC2-PMW15-0-17	G039-01	1	NA	07/31/0618:36	07/13/0610:00	98G30033	98G30025	IMG008W	Field Sample
OC2-PMW15-0-17DL	G039-01J	5	NA	07/31/0618:44	07/13/0610:00	98G30034	98G30025	IMG008W	Diluted Sample
OC2-PMW16A-0-25	G048-01	1	NA	07/31/0619:52	07/13/0610:00	98G30042	98G30037	IMG008W	Field Sample
OC2-PMW16B-0-26	G048-04	1	NA	07/31/0620:01	07/13/0610:00	98G30043	98G30037	IMG008W	Field Sample
OC2-PMW16C-0-27	G048-05	1	NA	07/31/0620:09	07/13/0610:00	98G30044	98G30037	IMG008W	Field Sample
OC2-PMW20A-0-30	G048-06	1	NA	07/31/0620:18	07/13/0610:00	98G30045	98G30037	IMG008W	Field Sample
OC2-PMW20B-0-31	G048-07	1	NA	07/31/0620:27	07/13/0610:00	98G30046	98G30037	IMG008W	Field Sample
OC2-PMW20C-0-32	G048-08	1	NA	07/31/0620:35	07/13/0610:00	98G30047	98G30037	IMG008W	Field Sample
OC2-PMW22-0-33	G048-09	1	NA	07/31/0620:44	07/13/0610:00	98G30048	98G30037	IMG008W	Field Sample

FN - Filename
% Moist - Percent Moisture

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
SDG NO.	: 06G048	Date Extracted:	07/13/06 10:00
Sample ID:	OC2-PMW16A-0-25	Date Analyzed:	07/31/06 19:52
Lab Samp ID:	G048-01	Dilution Factor:	1
Lab File ID:	98G30042	Matrix :	WATER
Ext Btch ID:	IMG008W	% Moisture :	NA
Calib. Ref.:	98G30037	Instrument ID :	EMAXTI98

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Aluminum	ND	1000	200
Antimony	.253J	.5	.25
Arsenic	1.24	.5	.25
Barium	68.9	.5	.25
Beryllium	ND	.5	.25
Boron^	584	100	50
Cadmium	ND	1	.5
Calcium^	511000	10000	2000
Chromium	6.33	.5	.25
Cobalt	2.34	.5	.25
Copper	1.76	.5	.25
Iron	ND	1000	200
Lead	ND	1	.5
Magnesium	115000	1000	200
Manganese	5.58	1	.5
Molybdenum	1.61J	2	1
Nickel	2.57	.5	.25
Potassium	8170	1000	200
Selenium	14.1	1	.5
Silver	ND	1	.5
Sodium	276000	1000	200
Thallium	ND	1	.5
Vanadium	2.12	1	.5
Zinc	13.5	10	5

^ : Analyzed @ DF 10 on 07/22/06 19:28 | File ID 98G21024

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
SDG NO.	: 06G048	Date Extracted:	07/13/06 10:00
Sample ID:	OC2-PMW16B-0-26	Date Analyzed:	07/31/06 20:01
Lab Samp ID:	G048-04	Dilution Factor:	1
Lab File ID:	98G30043	Matrix :	WATER
Ext Btch ID:	IMG008W	% Moisture :	NA
Calib. Ref.:	98G30037	Instrument ID :	EMAXTI98

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Aluminum	ND	1000	200
Antimony	ND	.5	.25
Arsenic	1.22	.5	.25
Barium	25.6	.5	.25
Beryllium	ND	.5	.25
Boron	231	10	5
Cadmium	ND	1	.5
Calcium	188000	1000	200
Chromium	5.63	.5	.25
Cobalt	.458J	.5	.25
Copper	2.13	.5	.25
Iron	ND	1000	200
Lead	ND	1	.5
Magnesium	53300	1000	200
Manganese	.546J	1	.5
Molybdenum	3.04	2	1
Nickel	ND	.5	.25
Potassium	5190	1000	200
Selenium	41.5	1	.5
Silver	ND	1	.5
Sodium	104000	1000	200
Thallium	ND	1	.5
Vanadium	4.47	1	.5
Zinc	9.63J	10	5

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
SDG NO.	: 06G048	Date Extracted:	07/13/06 10:00
Sample ID:	OC2-PMW16C-0-27	Date Analyzed:	07/31/06 20:09
Lab Samp ID:	G048-05	Dilution Factor:	1
Lab File ID:	98G30044	Matrix :	WATER
Ext Btch ID:	IMG008W	% Moisture :	NA
Calib. Ref.:	98G30037	Instrument ID :	EMAXTI98

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Aluminum	ND	1000	200
Antimony	ND	.5	.25
Arsenic	1.69	.5	.25
Barium	56	.5	.25
Beryllium	ND	.5	.25
Boron	148	10	5
Cadmium	ND	1	.5
Calcium	152000	1000	200
Chromium	1.82	.5	.25
Cobalt	.525	.5	.25
Copper	1.31	.5	.25
Iron	ND	1000	200
Lead	ND	1	.5
Magnesium	41900	1000	200
Manganese	70.9	1	.5
Molybdenum	4.03	2	1
Nickel	.575	.5	.25
Potassium	4630	1000	200
Selenium	22.4	1	.5
Silver	ND	1	.5
Sodium	77400	1000	200
Thallium	ND	1	.5
Vanadium	3.73	1	.5
Zinc	7.69J	10	5

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
SDG NO.	: 06G048	Date Extracted:	07/13/06 10:00
Sample ID:	OC2-PMW20A-0-30	Date Analyzed:	07/31/06 20:18
Lab Samp ID:	G048-06	Dilution Factor:	1
Lab File ID:	98G30045	Matrix :	WATER
Ext Btch ID:	IMG008W	% Moisture :	NA
Calib. Ref.:	98G30037	Instrument ID :	EMAXTI98

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Aluminum	ND	1000	200
Antimony	ND	.5	.25
Arsenic	.907	.5	.25
Barium	38.7	.5	.25
Beryllium	ND	.5	.25
Boron	233	10	5
Cadmium	ND	1	.5
Calcium	175000	1000	200
Chromium	13.7	.5	.25
Cobalt	.488J	.5	.25
Copper	1.69	.5	.25
Iron	ND	1000	200
Lead	ND	1	.5
Magnesium	42100	1000	200
Manganese	5.84	1	.5
Molybdenum	1.2J	2	1
Nickel	.589	.5	.25
Potassium	5170	1000	200
Selenium	12.3	1	.5
Silver	ND	1	.5
Sodium	92700	1000	200
Thallium	ND	1	.5
Vanadium	3.34	1	.5
Zinc	9.66J	10	5

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
SDG NO.	: 06G048	Date Extracted:	07/13/06 10:00
Sample ID:	OC2-PMW20B-0-31	Date Analyzed:	07/31/06 20:27
Lab Samp ID:	G048-07	Dilution Factor:	1
Lab File ID:	98G30046	Matrix :	WATER
Ext Btch ID:	IMG008W	% Moisture :	NA
Calib. Ref.:	98G30037	Instrument ID :	EMAXTI98

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Aluminum	ND	1000	200
Antimony	ND	.5	.25
Arsenic	1.3	.5	.25
Barium	43.7	.5	.25
Beryllium	ND	.5	.25
Boron	242	10	5
Cadmium	ND	1	.5
Calcium	186000	1000	200
Chromium	17.8	.5	.25
Cobalt	.515	.5	.25
Copper	1.45	.5	.25
Iron	ND	1000	200
Lead	ND	1	.5
Magnesium	42800	1000	200
Manganese	5.63	1	.5
Molybdenum	1.5J	2	1
Nickel	.584	.5	.25
Potassium	5290	1000	200
Selenium	9.92	1	.5
Silver	ND	1	.5
Sodium	93200	1000	200
Thallium	ND	1	.5
Vanadium	3.98	1	.5
Zinc	7.95J	10	5

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
SDG NO.	: 06G048	Date Extracted:	07/13/06 10:00
Sample ID:	OC2-PMW20C-0-32	Date Analyzed:	07/31/06 20:35
Lab Samp ID:	G048-08	Dilution Factor:	1
Lab File ID:	98G30047	Matrix :	WATER
Ext Btch ID:	IMG008W	% Moisture :	NA
Calib. Ref.:	98G30037	Instrument ID :	EMAXTI98

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Aluminum	ND	1000	200
Antimony	2.99	.5	.25
Arsenic	30	.5	.25
Barium	66.2	.5	.25
Beryllium	ND	.5	.25
Boron	122	10	5
Cadmium	ND	1	.5
Calcium	67300	1000	200
Chromium	ND	.5	.25
Cobalt	.316J	.5	.25
Copper	.723	.5	.25
Iron	ND	1000	200
Lead	ND	1	.5
Magnesium	15400	1000	200
Manganese	151	1	.5
Molybdenum	3.12	2	1
Nickel	1.04	.5	.25
Potassium	5130	1000	200
Selenium	ND	1	.5
Silver	ND	1	.5
Sodium	88000	1000	200
Thallium	ND	1	.5
Vanadium	2.08	1	.5
Zinc	ND	10	5

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	07/11/06
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
SDG NO.	: 06G048	Date Extracted:	07/13/06 10:00
Sample ID:	OC2-PMW22-0-33	Date Analyzed:	07/31/06 20:44
Lab Samp ID:	G048-09	Dilution Factor:	1
Lab File ID:	98G30048	Matrix :	WATER
Ext Btch ID:	IMG008W	% Moisture :	NA
Calib. Ref.:	98G30037	Instrument ID :	EMAXTI98

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Aluminum	ND	1000	200
Antimony	ND	.5	.25
Arsenic	.831	.5	.25
Barium	52	.5	.25
Beryllium	ND	.5	.25
Boron	373	10	5
Cadmium	ND	1	.5
Calcium	137000	1000	200
Chromium	3.06	.5	.25
Cobalt	.77	.5	.25
Copper	1.01	.5	.25
Iron	ND	1000	200
Lead	ND	1	.5
Magnesium	31800	1000	200
Manganese	122	1	.5
Molybdenum	2.77	2	1
Nickel	1.55	.5	.25
Potassium	4720	1000	200
Selenium	8.51	1	.5
Silver	ND	1	.5
Sodium	88700	1000	200
Thallium	ND	1	.5
Vanadium	1.7	1	.5
Zinc	6.25J	10	5

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	NA
Project	: OMEGA CHEMICAL	Date Received:	07/13/06
SDG NO.	: 06G048	Date Extracted:	07/13/06 10:00
Sample ID:	MBLK1W	Date Analyzed:	07/31/06 17:44
Lab Samp ID:	IMG008WB	Dilution Factor:	1
Lab File ID:	98G30027	Matrix :	WATER
Ext Btch ID:	IMG008W	% Moisture :	NA
Calib. Ref.:	98G30025	Instrument ID :	EMAXTI98

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Aluminum	ND	1000	200
Antimony	ND	.5	.25
Arsenic	ND	.5	.25
Barium	ND	.5	.25
Beryllium	ND	.5	.25
Boron	ND	10	5
Cadmium	ND	1	.5
Calcium	ND	1000	200
Chromium	ND	.5	.25
Cobalt	ND	.5	.25
Copper	ND	.5	.25
Iron	ND	1000	200
Lead	ND	1	.5
Magnesium	ND	1000	200
Manganese	ND	1	.5
Molybdenum	ND	2	1
Nickel	ND	.5	.25
Potassium	ND	1000	200
Selenium	ND	1	.5
Silver	ND	1	.5
Sodium	ND	1000	200
Thallium	ND	1	.5
Vanadium	ND	1	.5
Zinc	ND	10	5

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
SDG NO.: 06G048
METHOD: METHOD 6020A

MATRIX:	WATER			% MOISTURE:	NA
DILTN FACTR:	1	1	1		
SAMPLE ID:	MBLK1W				
CONTROL NO.:	IMG008WB	IMG008WL	IMG008WC		
LAB FILE ID:	98G30027	98G30028	98G30029		
DATIME EXTRCTD:	07/13/0610:00	07/13/0610:00	07/13/0610:00	DATE COLLECTED:	NA
DATIME ANALYZD:	07/31/0617:44	07/31/0617:53	07/31/0618:01	DATE RECEIVED:	07/13/06
PREP. BATCH:	IMG008W	IMG008W	IMG008W		
CALIB. REF:	98G30025	98G30025	98G30025		

ACCESSION:

PARAMETER	BLNK RSLT ug/L	SPIKE AMT ug/L	BS RSLT ug/L	BS % REC	SPIKE AMT ug/L	BSD RSLT ug/L	BSD % REC	RPD %	QC LIMIT %	MAX RPD %
Aluminum	ND	5000	4920	98	5000	4850	97	1	80-120	20
Antimony	ND	50	51.7	103	50	51.8	104	0	80-120	20
Arsenic	ND	50	50.8	102	50	51.4	103	1	80-120	20
Barium	ND	50	49.2	98	50	49	98	1	80-120	20
Beryllium	ND	50	47.4	95	50	47.7	95	1	80-120	20
Boron	ND	50	45.3	91	50	45.4	91	0	80-120	20
Cadmium	ND	50	48.7	97	50	49.1	98	1	80-120	20
Calcium	ND	5000	4880	98	5000	4870	97	0	80-120	20
Chromium	ND	50	48.7	97	50	47.8	96	2	80-120	20
Cobalt	ND	50	49.9	100	50	49.4	99	1	80-120	20
Copper	ND	50	47.8	96	50	47	94	2	80-120	20
Iron	ND	5000	4870	97	5000	4890	98	0	80-120	20
Lead	ND	50	48	96	50	47.6	95	1	80-120	20
Magnesium	ND	5000	4880	98	5000	4820	96	1	80-120	20
Manganese	ND	50	48.5	97	50	48.3	97	0	80-120	20
Molybdenum	ND	50	50.1	100	50	49.4	99	1	80-120	20
Nickel	ND	50	48	96	50	47.1	94	2	80-120	20
Potassium	ND	5000	5060	101	5000	4980	100	2	80-120	20
Selenium	ND	50	52.5	105	50	52.5	105	0	80-120	20
Silver	ND	50	56.3	112	50	56.4	113	0	80-120	20
Sodium	ND	5000	4890	98	5000	4910	98	0	80-120	20
Thallium	ND	50	48	96	50	47.6	95	1	80-120	20
Vanadium	ND	50	49.5	99	50	48.3	97	2	80-120	20
Zinc	ND	50	53	106	50	54.1	108	2	80-120	20

EMAX QUALITY CONTROL DATA
SERIAL DILUTION ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 6020A

MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	1	5		
SAMPLE ID:	OC2-PMW15-0-17	OC2-PMW15-0-17		
EMAX SAMP ID:	G039-01	G039-01J		
LAB FILE ID:	98G30033	98G30034		
DATE EXTRACTED:	07/13/0610:00	07/13/0610:00	DATE COLLECTED:	07/10/06
DATE ANALYZED:	07/31/0618:36	07/31/0618:44	DATE RECEIVED:	07/10/06
PREP. BATCH:	IMG008W	IMG008W		
CALIB. REF:	98G30025	98G30025		

ACCESSION:

PARAMETER	SMPL RSLT (ug/L)	SERIAL DIL RSLT (ug/L)	DIF RSLT %	QC LIMIT (%)
Aluminum	ND	ND	0	10
Antimony	ND	ND	0	10
Arsenic	1.89	1.82J	NA	10
Barium	50.7	51.2	1	10
Beryllium	ND	ND	0	10
Boron	331	348	5	10
Cadmium	ND	ND	0	10
Calcium	194000	203000	5	10
Chromium	12	12.3	2	10
Cobalt	.43J	ND	NA	10
Copper	1.58	2.87	81*	10
Iron	ND	ND	0	10
Lead	ND	ND	0	10
Magnesium	52700	56200	7	10
Manganese	.604J	ND	NA	10
Molybdenum	2.43	ND	NA	10
Nickel	.356J	ND	NA	10
Potassium	4250	4410J	NA	10
Selenium	4.53	4.42J	NA	10
Silver	ND	ND	0	10
Sodium	93200	98200	5	10
Thallium	ND	ND	0	10
Vanadium	4.78	4.98J	NA	10
Zinc	5.03J	ND	NA	10

EMAX QUALITY CONTROL DATA
ANALYTICAL SPIKE ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
SDG NO.: 06G048
METHOD: METHOD 6020A

MATRIX:	WATER		% MOISTURE:	NA
DILTN FACTR:	1	1		
SAMPLE ID:	OC2-PMW15-0-17			
CONTROL NO.:	G039-01	G039-01A		
LAB FILE ID:	98G30033	98G30030		
DATIME EXTRCTD:	07/13/0610:00	07/13/0610:00	DATE COLLECTED:	07/10/06
DATIME ANALYZD:	07/31/0618:36	07/31/0618:10	DATE RECEIVED:	07/10/06
PREP. BATCH:	IMG008W	IMG008W		
CALIB. REF:	98G30025	98G30025		

ACCESSION:

PARAMETER	SMPL RSLT (ug/L)	SPIKE AMT (ug/L)	AS RSLT (ug/L)	AS % REC	QC LIMIT (%)
Aluminum	ND	5000	4940	99	75-125
Antimony	ND	50	54.3	109	75-125
Arsenic	1.89	50	53.1	102	75-125
Barium	50.7	50	102	103	75-125
Beryllium	ND	50	50.3	101	75-125
Boron	331	50	382	102	75-125
Cadmium	ND	50	50.3	101	75-125
Calcium	194000	5000	198000	86	75-125
Chromium	12	50	61.4	99	75-125
Cobalt	.43J	50	48.5	96	75-125
Copper	1.58	50	48.1	93	75-125
Iron	ND	5000	4770	95	75-125
Lead	ND	50	51.7	103	75-125
Magnesium	52700	5000	57100	88	75-125
Manganese	.604J	50	48.7	96	75-125
Molybdenum	2.43	50	55.5	106	75-125
Nickel	.356J	50	47.8	95	75-125
Potassium	4250	5000	9440	104	75-125
Selenium	4.53	50	56	103	75-125
Silver	ND	50	49.1	98	75-125
Sodium	93200	5000	97700	89	75-125
Thallium	ND	50	51.8	104	75-125
Vanadium	4.78	50	55.4	101	75-125
Zinc	5.03J	50	53.8	98	75-125

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G048**

METHOD 7470A
DISSOLVED MERCURY BY COLD VAPOR

Seven (7) water samples were received on 07/11/06 for Dissolved Mercury analysis by Method 7470A in accordance with "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW846, 3rd edition.

1. **Holding Time**

   Analysis met holding time criteria.

2. **Method Blank**

   Method blank was free of contamination at the reporting limit.

3. **Lab Control Sample/Lab Control Sample Duplicate**

   Lab control results were within QC limit.

4. **Serial Dilution / Post-Analytical Spike**

   Sample from another SDG G039-08 was analyzed for serial dilution and post-analytical spike. All QC requirements were met.

5. **Matrix Spike/Matrix Spike Duplicate**

   No MS/MSD sample was designated in this SDG.

6. **Sample Analysis**

   Samples were analyzed according to the prescribed QC procedures. All criteria were met.

LAB CHRONICLE
DISSOLVED MERCURY BY COLD VAPOR

Client : ARCADIS
Project : OMEGA CHEMICAL

SDG NO. : 06G048
Instrument ID : TI047

WATER

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	Analysis DateTime	Extraction DateTime	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
MBLK1W	HGG017WB	1	NA	07/14/0611:00	07/13/0614:00	M47G015010	M47G015008	HGG017W	Method Blank
LCS1W	HGG017WL	1	NA	07/14/0611:02	07/13/0614:00	M47G015011	M47G015008	HGG017W	Lab Control Sample (LCS)
LCD1W	HGG017WC	1	NA	07/14/0611:04	07/13/0614:00	M47G015012	M47G015008	HGG017W	LCS Duplicate
OC2-PMW18C-0-24AS	G039-08A	1	NA	07/14/0611:06	07/13/0614:00	M47G015013	M47G015008	HGG017W	Analytical Spike Sample
OC2-PMW18C-0-24	G039-08	1	NA	07/14/0611:08	07/13/0614:00	M47G015014	M47G015008	HGG017W	Field Sample
OC2-PMW18C-0-24DL	G039-08J	5	NA	07/14/0611:10	07/13/0614:00	M47G015015	M47G015008	HGG017W	Diluted Sample
OC2-PMW16A-0-25	G048-01	1	NA	07/14/0611:51	07/13/0614:00	M47G015034	M47G015032	HGG017W	Field Sample
OC2-PMW16B-0-26	G048-04	1	NA	07/14/0611:53	07/13/0614:00	M47G015035	M47G015032	HGG017W	Field Sample
OC2-PMW16C-0-27	G048-05	1	NA	07/14/0611:55	07/13/0614:00	M47G015036	M47G015032	HGG017W	Field Sample
OC2-PMW20A-0-30	G048-06	1	NA	07/14/0611:57	07/13/0614:00	M47G015037	M47G015032	HGG017W	Field Sample
OC2-PMW20B-0-31	G048-07	1	NA	07/14/0612:00	07/13/0614:00	M47G015038	M47G015032	HGG017W	Field Sample
OC2-PMW20C-0-32	G048-08	1	NA	07/14/0612:02	07/13/0614:00	M47G015039	M47G015032	HGG017W	Field Sample
OC2-PMW22-0-33	G048-09	1	NA	07/14/0612:04	07/13/0614:00	M47G015040	M47G015032	HGG017W	Field Sample

FN - Filename
% Moist - Percent Moisture

METHOD 7470A
DISSOLVED MERCURY BY COLD VAPOR

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G048

Matrix : WATER
Instrument ID : TI047

SAMPLE ID	EMAX SAMPLE ID	RESULTS (ug/L)	DLF	MOIST	RL (ug/L)	MDL (ug/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	HGG017WB	ND	1	NA	.5	.1	07/14/0611:00	07/13/0614:00	M47G015010	M47G015008	HGG017W	NA	07/13/06
LCS1W	HGG017WL	5.11	1	NA	.5	.1	07/14/0611:02	07/13/0614:00	M47G015011	M47G015008	HGG017W	NA	07/13/06
LCD1W	HGG017WC	5.12	1	NA	.5	.1	07/14/0611:04	07/13/0614:00	M47G015012	M47G015008	HGG017W	NA	07/13/06
OC2-PMW16A-0-25	G048-01	ND	1	NA	.5	.1	07/14/0611:51	07/13/0614:00	M47G015034	M47G015032	HGG017W	07/11/06	07/11/06
OC2-PMW16B-0-26	G048-04	ND	1	NA	.5	.1	07/14/0611:53	07/13/0614:00	M47G015035	M47G015032	HGG017W	07/11/06	07/11/06
OC2-PMW16C-0-27	G048-05	ND	1	NA	.5	.1	07/14/0611:55	07/13/0614:00	M47G015036	M47G015032	HGG017W	07/11/06	07/11/06
OC2-PMW20A-0-30	G048-06	ND	1	NA	.5	.1	07/14/0611:57	07/13/0614:00	M47G015037	M47G015032	HGG017W	07/11/06	07/11/06
OC2-PMW20B-0-31	G048-07	ND	1	NA	.5	.1	07/14/0612:00	07/13/0614:00	M47G015038	M47G015032	HGG017W	07/11/06	07/11/06
OC2-PMW20C-0-32	G048-08	ND	1	NA	.5	.1	07/14/0612:02	07/13/0614:00	M47G015039	M47G015032	HGG017W	07/11/06	07/11/06
OC2-PMW22-0-33	G048-09	ND	1	NA	.5	.1	07/14/0612:04	07/13/0614:00	M47G015040	M47G015032	HGG017W	07/11/06	07/11/06

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
SDG NO.: 06G048
METHOD: METHOD 7470A

MATRIX:	WATER			% MOISTURE:	NA
DILTN FACTR:	1	1	1		
SAMPLE ID:	MBLK1W				
CONTROL NO.:	HGG017WB	HGG017WL	HGG017WC		
LAB FILE ID:	M47G015010	M47G015011	M47G015012		
DATIME EXTRCTD:	07/13/0614:00	07/13/0614:00	07/13/0614:00	DATE COLLECTED:	NA
DATIME ANALYZD:	07/14/0611:00	07/14/0611:02	07/14/0611:04	DATE RECEIVED:	07/13/06
PREP. BATCH:	HGG017W	HGG017W	HGG017W		
CALIB. REF:	M47G015008	M47G015008	M47G015008		

ACCESSION:

PARAMETER	BLNK RSLT ug/L	SPIKE AMT ug/L	BS RSLT ug/L	BS % REC	SPIKE AMT ug/L	BSD RSLT ug/L	BSD % REC	RPD %	QC LIMIT %	MAX RPD %
Dissolved Mercury	ND	5	5.11	102	5	5.12	102	0	80-120	20

EMAX QUALITY CONTROL DATA
SERIAL DILUTION ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 7470A

MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	1	5		
SAMPLE ID:	OC2-PMW18C-0-24	OC2-PMW18C-0-24DL		
EMAX SAMP ID:	G039-08	G039-08J		
LAB FILE ID:	M47G015014	M47G015015		
DATE EXTRACTED:	07/13/0614:00	07/13/0614:00	DATE COLLECTED:	07/10/06
DATE ANALYZED:	07/14/0611:08	07/14/0611:10	DATE RECEIVED:	07/10/06
PREP. BATCH:	HGG017W	HGG017W		
CALIB. REF:	M47G015008	M47G015008		

ACCESSION:

PARAMETER	SMPL RSLT (ug/L)	SERIAL DIL RSLT (ug/L)	DIF RSLT %	QC LIMIT (%)
Dissolved Mercury	ND	ND	0	10

EMAX QUALITY CONTROL DATA
ANALYTICAL SPIKE ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
SDG NO.: 06G048
METHOD: METHOD 7470A

MATRIX:	WATER		% MOISTURE:	NA
DILTN FACTR:	1	1		
SAMPLE ID:	OC2-PMW18C-0-24			
CONTROL NO.:	G039-08	G039-08A		
LAB FILE ID:	M47G015014	M47G015013		
DATIME EXTRCTD:	07/13/0614:00	07/13/0614:00	DATE COLLECTED:	07/10/06
DATIME ANALYZD:	07/14/0611:08	07/14/0611:06	DATE RECEIVED:	07/10/06
PREP. BATCH:	HGG017W	HGG017W		
CALIB. REF:	M47G015008	M47G015008		

ACCESSION:

PARAMETER	SMPL RSLT (ug/L)	SPIKE AMT (ug/L)	AS RSLT (ug/L)	AS % REC	QC LIMIT (%)
Dissolved Mercury	ND	2	2.08	104	85-115

7019

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

WET CHEMICAL ANALYSES

SDG#: 06G048

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G048**

METHOD 160.1
TOTAL DISSOLVED SOLIDS

Seven (7) water samples were received on 07/11/06 for Total Dissolved Solids analysis by Method 160.1 in accordance with "Method for Chemical Analysis of Water and Wastewater", EPA 600/4-79-020 (1983).

1. Holding Time

Analysis met holding time criteria.

2. Method Blank

Method blank was free of contamination at the reporting limit.

3. Lab Control Sample/Lab Control Sample Duplicate

Lab control results were within QC limit.

4. Duplicate

Sample G048-09 was analyzed for duplicate. %RPD was within QC limit.

5. Sample Analysis

Samples were analyzed according to the prescribed QC procedures. All criteria were met.

METHOD 160.1
TOTAL DISSOLVED SOLIDS

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G048

Matrix : WATER
Instrument ID :

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/L)	DLF	MOIST	RL (mg/L)	MDL (mg/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	TDG005WB	ND	1	NA	20	5	07/17/0616:48	07/14/0616:00	TDG005-01	NA	TDG005W	NA	07/14/06
LCS1W	TDG005WL	265	1	NA	20	5	07/17/0616:48	07/14/0616:00	TDG005-02	NA	TDG005W	NA	07/14/06
LCD1W	TDG005WC	285	1	NA	20	5	07/17/0616:48	07/14/0616:00	TDG005-03	NA	TDG005W	NA	07/14/06
OC2-PMW16A-0-25	G048-01	2970	1	NA	20	5	07/17/0616:50	07/14/0616:00	TDG005-10	NA	TDG005W	07/11/06	07/11/06
OC2-PMW16B-0-26	G048-04	1110	1	NA	20	5	07/17/0616:50	07/14/0616:00	TDG005-11	NA	TDG005W	07/11/06	07/11/06
OC2-PMW16C-0-27	G048-05	920	1	NA	20	5	07/17/0616:50	07/14/0616:00	TDG005-12	NA	TDG005W	07/11/06	07/11/06
OC2-PMW20A-0-30	G048-06	1030	1	NA	20	5	07/17/0616:51	07/14/0616:00	TDG005-13	NA	TDG005W	07/11/06	07/11/06
OC2-PMW20B-0-31	G048-07	1040	1	NA	20	5	07/17/0616:51	07/14/0616:00	TDG005-14	NA	TDG005W	07/11/06	07/11/06
OC2-PMW20C-0-32	G048-08	935	1	NA	20	5	07/17/0616:51	07/14/0616:00	TDG005-15	NA	TDG005W	07/11/06	07/11/06
OC2-PMW22-0-33	G048-09	845	1	NA	20	5	07/17/0616:51	07/14/0616:00	TDG005-16	NA	TDG005W	07/11/06	07/11/06
OC2-PMW22-0-33DUP	G048-09D	825	1	NA	20	5	07/17/0616:51	07/14/0616:00	TDG005-17	NA	TDG005W	07/11/06	07/11/06

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
METHOD: METHOD 160.1
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 06G048
SAMPLE ID: LCS1W/LCD1W
CONTROL NO.: TDG005WL/C

DATE RECEIVED: 07/14/06
DATE EXTRACTED: 07/14/06 16:00
DATE ANALYZED: 07/17/06 16:48/16:48

ACCESSION:

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
TDS	ND	275.00	265.00	96	275.00	285.00	104	7	80-120	20

EMAX QUALITY CONTROL DATA
DUPLICATE ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
METHOD: METHOD 160.1
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 06G048
SAMPLE ID: OC2-PMW22-0-33DUP
CONTROL NO.: G048-09D

DATE RECEIVED: 07/11/06
DATE EXTRACTED: 07/14/06 16:00
DATE ANALYZED: 07/17/06 16:51

ACCESSION:

PARAMETER	SAMPLE (mg/L)	DUP. SAMPLE (mg/L)	RPD (%)	RPD LIMIT (%)
TDS	845.00	825.00	2	5

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G048**

METHOD 218.6
HEXAVALENT CHROMIUM

Three (3) water samples were received on 07/06/06 for Hexavalent Chromium analysis by Method 218.6 in accordance with "Method for Determination of Dissolved Hexavalent Chromium in Drinking Water, Groundwater and Industrial Wastewater Effluent by Ion Chromatography", EPA Rev. 3.0, November, 1991.

1. **Holding Time**

   Analysis did not meet holding time criteria for 7199 due to instrument error but did meet holding time criteria for 7196A.

2. **Method Blank**

   Method blanks were free of contamination at the Reporting Limit.

3. **Lab Control Sample/ Lab Control Sample Duplicate**

   All Recoveries were within QC limits.

4. **Duplicate**

   No Duplicate sample was designated in this SDG.

5. **Matrix Spike**

   No MS sample was designated in this SDG.

6. **Sample Analysis**

   Sample results were analyzed according to the prescribed QC procedures. All QC criteria were met with aforementioned exception.

   Method 7196A was much less sensitive than 218.6. MDL was at 5ug/L and MRL was at 10ug/L for 7196A and qualitative confirmation could only be used for results above 10ug/L.

SAMPLE RESULTS

METHOD 218.6
HEXAVALENT CHROMIUM

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G048

Matrix : WATER
Instrument ID : I59

SAMPLE ID	EMAX SAMPLE ID	RESULTS (ug/L)	DLF	MOIST	RL (ug/L)	MDL (ug/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	HCG006WB	ND	1	NA	.2	.1	07/12/0622:44	NA	IG12008	IG12006	HCG006W	NA	NA
LCS1W	HCG006WC	.915	1	NA	.2	.1	07/12/0623:05	NA	IG12010	IG12006	HCG006W	NA	NA
OC2-PMW16A-0-25	G048-01	5.84	5	NA	1	.5	07/13/0601:20	NA	IG12019	IG12018	HCG006W	07/11/06	07/11/06
OC2-PMW16B-0-26	G048-04	5.2	2	NA	.4	.2	07/13/0601:31	NA	IG12020	IG12018	HCG006W	07/11/06	07/11/06
OC2-PMW16C-0-27	G048-05	1.65	2	NA	.4	.2	07/13/0601:41	NA	IG12021	IG12018	HCG006W	07/11/06	07/11/06
OC2-PMW20A-0-30	G048-06	13.9	5	NA	1	.5	07/13/0601:51	NA	IG12022	IG12018	HCG006W	07/11/06	07/11/06
OC2-PMW20B-0-31	G048-07	17.2	5	NA	1	.5	07/13/0602:02	NA	IG12023	IG12018	HCG006W	07/11/06	07/11/06
OC2-PMW22-0-33	G048-09	2.93	2	NA	.4	.2	07/13/0602:23	NA	IG12025	IG12018	HCG006W	07/11/06	07/11/06
MBLK2W	HCG007WB	ND	1	NA	.2	.1	07/13/0611:53	NA	IG13003	IG13001	HCG007W	NA	NA
LCS2W	HCG007WL	.943	1	NA	.2	.1	07/13/0612:22	NA	IG13004	IG13001	HCG007W	NA	NA
OC2-PMW20C-0-32	G048-08	ND	1	NA	.2	.1	07/13/0614:19	NA	IG13006	IG13005	HCG007W	07/11/06	07/11/06
LCD2W	HCG007WC	1.06	1	NA	.2	.1	07/13/0620:00	NA	IG13011	IG13008	HCG007W	NA	NA

QC SUMMARY

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 218.6

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK2W				
LAB SAMP ID:	HCG007WB	HCG007WL	HCG007WC		
LAB FILE ID:	IG13003	IG13004	IG13011		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/13/0611:53	07/13/0612:22	07/13/0620:00	DATE RECEIVED:	NA
PREP. BATCH:	HCG007W	HCG007W	HCG007W		
CALIB. REF:	IG13001	IG13001	IG13008		

ACCESSION:

PARAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
Hexavalent Chromium	ND	1	.943	94	1	1.06	106	11	90-110	20

EMAX QUALITY CONTROL DATA
LCS ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 218.6

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MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	1	1		
SAMPLE ID:	MBLK1W			
LAB SAMP ID:	HCG006WB	HCG006WC		
LAB FILE ID:	IG12008	IG12010		
DATE EXTRACTED:	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/12/0622:44	07/12/0623:05	DATE RECEIVED:	NA
PREP. BATCH:	HCG006W	HCG006W		
CALIB. REF:	IG12006	IG12006		

ACCESSION:

PARAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	QC LIMIT (%)
Hexavalent Chromium	ND	1	.915	92	90-110

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G048**

METHOD 300.0
ANIONS

Seven (7) water samples were received on 07/11/06 for Bromide, Chloride, Fluoride, Nitrate-N, Nitrite-N, Orthophosphate, and Sulfate analyses by method 300.0 in accordance with "Method for Determination of Inorganic Anions by Ion Chromatography", EPA 600/84-017.

1. Holding Time

Analyses met holding time criteria.

2. Method Blank

Method blanks were free of contamination at the reporting limit.

3. Lab Control Sample/Lab Control Sample Duplicate

Lab control results were within QC limits.

4. Duplicate

Sample G048-08 was analyzed for duplicate. %RPDs were within QC limit.

5. Matrix Spike

Sample G048-08 was spiked. %Recovery was within QC limit.

6. Sample Analysis

Samples were analyzed according to the prescribed QC procedures. All criteria were met.

SAMPLE RESULTS

METHOD 300.0
BROMIDE

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G048

Matrix : WATER
Instrument ID : I100

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/L)	DLF	MOIST	RL (mg/L)	MDL (mg/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	ICG008WB	ND	1	NA	1	.1	07/12/0602:53	NA	AG11-35	AG11-33	ICG008W	NA	NA
LCS1W	ICG008WL	4.83	1	NA	1	.1	07/12/0603:10	NA	AG11-36	AG11-33	ICG008W	NA	NA
LCD1W	ICG008WC	4.83	1	NA	1	.1	07/12/0603:26	NA	AG11-37	AG11-33	ICG008W	NA	NA
OC2-PMW16A-0-25	G048-01	3.27	1	NA	1	.1	07/12/0606:29	NA	AG11-48	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW16B-0-26	G048-04	.548J	1	NA	1	.1	07/12/0606:45	NA	AG11-49	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW16C-0-27	G048-05	.643J	1	NA	1	.1	07/12/0607:02	NA	AG11-50	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20A-0-30	G048-06	.581J	1	NA	1	.1	07/12/0607:18	NA	AG11-51	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20B-0-31	G048-07	.511J	1	NA	1	.1	07/12/0607:35	NA	AG11-52	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20C-0-32	G048-08	.228J	1	NA	1	.1	07/12/0607:52	NA	AG11-53	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20C-0-32DUP	G048-08D	.219J	1	NA	1	.1	07/12/0608:08	NA	AG11-54	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20C-0-32MS	G048-08M	5.62	1	NA	1	.1	07/12/0608:25	NA	AG11-55	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW22-0-33	G048-09	.416J	1	NA	1	.1	07/12/0608:41	NA	AG11-56	AG11-45	ICG008W	07/11/06	07/11/06

METHOD 300.0
CHLORIDE

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G048

Matrix : WATER
Instrument ID : I100

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/L)	DLF	MOIST	RL (mg/L)	MDL (mg/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	ICG015WB	ND	1	NA	1	.1	07/15/0615:15	NA	AG15-04	AG15-01	ICG015W	NA	NA
LCS1W	ICG015WL	4.74	1	NA	1	.1	07/15/0615:51	NA	AG15-06	AG15-01	ICG015W	NA	NA
LCD1W	ICG015WC	4.75	1	NA	1	.1	07/15/0616:08	NA	AG15-07	AG15-01	ICG015W	NA	NA
OC2-PMW16A-0-25	G048-01	362	100	NA	100	10	07/15/0621:56	NA	AG15-28	AG15-26	ICG015W	07/11/06	07/11/06
OC2-PMW16B-0-26	G048-04	94.9	50	NA	50	5	07/15/0622:12	NA	AG15-29	AG15-26	ICG015W	07/11/06	07/11/06
OC2-PMW16C-0-27	G048-05	94.7	50	NA	50	5	07/15/0622:29	NA	AG15-30	AG15-26	ICG015W	07/11/06	07/11/06
OC2-PMW20A-0-30	G048-06	91.6	50	NA	50	5	07/15/0622:45	NA	AG15-31	AG15-26	ICG015W	07/11/06	07/11/06
OC2-PMW20B-0-31	G048-07	97.2	50	NA	50	5	07/15/0623:02	NA	AG15-32	AG15-26	ICG015W	07/11/06	07/11/06
OC2-PMW20C-0-32	G048-08	42	20	NA	20	2	07/15/0623:19	NA	AG15-33	AG15-26	ICG015W	07/11/06	07/11/06
OC2-PMW20C-0-32DUP	G048-08D	41.7	20	NA	20	2	07/15/0623:35	NA	AG15-34	AG15-26	ICG015W	07/11/06	07/11/06
OC2-PMW20C-0-32MS	G048-08M	143	20	NA	20	2	07/15/0623:52	NA	AG15-35	AG15-26	ICG015W	07/11/06	07/11/06
OC2-PMW22-0-33	G048-09	100	20	NA	20	2	07/16/0600:08	NA	AG15-36	AG15-26	ICG015W	07/11/06	07/11/06

METHOD 300.0
FLUORIDE

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G048

Matrix : WATER
Instrument ID : I100

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/L)	DLF	MOIST	RL (mg/L)	MDL (mg/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	ICG008WB	ND	1	NA	.1	.05	07/12/0602:53	NA	AG11-35	AG11-33	ICG008W	NA	NA
LCS1W	ICG008WL	1.85	1	NA	.1	.05	07/12/0603:10	NA	AG11-36	AG11-33	ICG008W	NA	NA
LCD1W	ICG008WC	1.84	1	NA	.1	.05	07/12/0603:26	NA	AG11-37	AG11-33	ICG008W	NA	NA
OC2-PMW16A-0-25	G048-01	.232	1	NA	.1	.05	07/12/0606:29	NA	AG11-48	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW16B-0-26	G048-04	.335	1	NA	.1	.05	07/12/0606:45	NA	AG11-49	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW16C-0-27	G048-05	.307	1	NA	.1	.05	07/12/0607:02	NA	AG11-50	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20A-0-30	G048-06	.257	1	NA	.1	.05	07/12/0607:18	NA	AG11-51	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20B-0-31	G048-07	.272	1	NA	.1	.05	07/12/0607:35	NA	AG11-52	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20C-0-32	G048-08	.265	1	NA	.1	.05	07/12/0607:52	NA	AG11-53	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20C-0-32DUP	G048-08D	.269	1	NA	.1	.05	07/12/0608:08	NA	AG11-54	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20C-0-32MS	G048-08M	2.32	1	NA	.1	.05	07/12/0608:25	NA	AG11-55	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW22-0-33	G048-09	.231	1	NA	.1	.05	07/12/0608:41	NA	AG11-56	AG11-45	ICG008W	07/11/06	07/11/06

METHOD 300.0
NITRATE-N

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G048

Matrix : WATER
Instrument ID : I100

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/L)	DLF	MOIST	RL (mg/L)	MDL (mg/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	ICG008WB	ND	1	NA	.1	.05	07/12/0602:53	NA	AG11-35	AG11-33	ICG008W	NA	NA
LCS1W	ICG008WL	1.85	1	NA	.1	.05	07/12/0603:10	NA	AG11-36	AG11-33	ICG008W	NA	NA
LCD1W	ICG008WC	1.85	1	NA	.1	.05	07/12/0603:26	NA	AG11-37	AG11-33	ICG008W	NA	NA
OC2-PMW16C-0-27	G048-05	4.01	1	NA	.1	.05	07/12/0607:02	NA	AG11-50	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20C-0-32	G048-08	ND	1	NA	.1	.05	07/12/0607:52	NA	AG11-53	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20C-0-32DUP	G048-08D	ND	1	NA	.1	.05	07/12/0608:08	NA	AG11-54	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20C-0-32MS	G048-08M	1.98	1	NA	.1	.05	07/12/0608:25	NA	AG11-55	AG11-45	ICG008W	07/11/06	07/11/06
MBLK2W	ICG011WB	ND	1	NA	.1	.05	07/13/0604:33	NA	AG12-34	AG12-25	ICG011W	NA	NA
LCS2W	ICG011WL	1.88	1	NA	.1	.05	07/13/0604:50	NA	AG12-35	AG12-25	ICG011W	NA	NA
LCD2W	ICG011WC	1.88	1	NA	.1	.05	07/13/0605:06	NA	AG12-36	AG12-25	ICG011W	NA	NA
OC2-PMW16A-0-25	G048-01	9.58	5	NA	.5	.25	07/13/0610:21	NA	AG12-55	AG12-49	ICG011W	07/11/06	07/11/06
OC2-PMW16B-0-26	G048-04	6.31	2	NA	.2	.1	07/13/0610:38	NA	AG12-56	AG12-49	ICG011W	07/11/06	07/11/06
OC2-PMW20A-0-30	G048-06	8.09	5	NA	.5	.25	07/13/0610:54	NA	AG12-57	AG12-49	ICG011W	07/11/06	07/11/06
OC2-PMW20B-0-31	G048-07	7.57	5	NA	.5	.25	07/13/0611:11	NA	AG12-58	AG12-49	ICG011W	07/11/06	07/11/06
OC2-PMW22-0-33	G048-09	7.12	5	NA	.5	.25	07/13/0611:27	NA	AG12-59	AG12-49	ICG011W	07/11/06	07/11/06

METHOD 300.0
NITRITE-N

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G048

Matrix : WATER
Instrument ID : I100

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/L)	DLF	MOIST	RL (mg/L)	MDL (mg/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	ICG008WB	ND	1	NA	.1	.05	07/12/0602:53	NA	AG11-35	AG11-33	ICG008W	NA	NA
LCS1W	ICG008WL	1.86	1	NA	.1	.05	07/12/0603:10	NA	AG11-36	AG11-33	ICG008W	NA	NA
LCD1W	ICG008WC	1.84	1	NA	.1	.05	07/12/0603:26	NA	AG11-37	AG11-33	ICG008W	NA	NA
OC2-PMW16A-0-25	G048-01	ND	1	NA	.1	.05	07/12/0606:29	NA	AG11-48	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW16B-0-26	G048-04	ND	1	NA	.1	.05	07/12/0606:45	NA	AG11-49	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW16C-0-27	G048-05	ND	1	NA	.1	.05	07/12/0607:02	NA	AG11-50	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20A-0-30	G048-06	ND	1	NA	.1	.05	07/12/0607:18	NA	AG11-51	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20B-0-31	G048-07	ND	1	NA	.1	.05	07/12/0607:35	NA	AG11-52	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20C-0-32	G048-08	ND	1	NA	.1	.05	07/12/0607:52	NA	AG11-53	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20C-0-32DUP	G048-08D	ND	1	NA	.1	.05	07/12/0608:08	NA	AG11-54	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20C-0-32MS	G048-08M	1.97	1	NA	.1	.05	07/12/0608:25	NA	AG11-55	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW22-0-33	G048-09	ND	1	NA	.1	.05	07/12/0608:41	NA	AG11-56	AG11-45	ICG008W	07/11/06	07/11/06

METHOD 300.0
ORTHOPHOSPHATE-P

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G048

Matrix : WATER
Instrument ID : I100

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/L)	DLF	MOIST	RL (mg/L)	MDL (mg/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	ICG008WB	ND	1	NA	1	.25	07/12/0602:53	NA	AG11-35	AG11-33	ICG008W	NA	NA
LCS1W	ICG008WL	4.49	1	NA	1	.25	07/12/0603:10	NA	AG11-36	AG11-33	ICG008W	NA	NA
LCD1W	ICG008WC	4.54	1	NA	1	.25	07/12/0603:26	NA	AG11-37	AG11-33	ICG008W	NA	NA
OC2-PMW16A-0-25	G048-01	.293J	1	NA	1	.25	07/12/0606:29	NA	AG11-48	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW16B-0-26	G048-04	ND	1	NA	1	.25	07/12/0606:45	NA	AG11-49	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW16C-0-27	G048-05	ND	1	NA	1	.25	07/12/0607:02	NA	AG11-50	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20A-0-30	G048-06	ND	1	NA	1	.25	07/12/0607:18	NA	AG11-51	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20B-0-31	G048-07	ND	1	NA	1	.25	07/12/0607:35	NA	AG11-52	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20C-0-32	G048-08	ND	1	NA	1	.25	07/12/0607:52	NA	AG11-53	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20C-0-32DUP	G048-08D	ND	1	NA	1	.25	07/12/0608:08	NA	AG11-54	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW20C-0-32MS	G048-08M	5.28	1	NA	1	.25	07/12/0608:25	NA	AG11-55	AG11-45	ICG008W	07/11/06	07/11/06
OC2-PMW22-0-33	G048-09	ND	1	NA	1	.25	07/12/0608:41	NA	AG11-56	AG11-45	ICG008W	07/11/06	07/11/06

METHOD 300.0
SULFATE

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G048

Matrix : WATER
Instrument ID : I100

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/L)	DLF	MOIST	RL (mg/L)	MDL (mg/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	ICG015WB	ND	1	NA	1	.25	07/15/0615:15	NA	AG15-04	AG15-01	ICG015W	NA	NA
LCS1W	ICG015WL	4.68	1	NA	1	.25	07/15/0615:51	NA	AG15-06	AG15-01	ICG015W	NA	NA
LCD1W	ICG015WC	4.68	1	NA	1	.25	07/15/0616:08	NA	AG15-07	AG15-01	ICG015W	NA	NA
OC2-PMW16A-0-25	G048-01	1350	100	NA	100	25	07/15/0621:56	NA	AG15-28	AG15-26	ICG015W	07/11/06	07/11/06
OC2-PMW16B-0-26	G048-04	412	50	NA	50	12.5	07/15/0622:12	NA	AG15-29	AG15-26	ICG015W	07/11/06	07/11/06
OC2-PMW16C-0-27	G048-05	335	50	NA	50	12.5	07/15/0622:29	NA	AG15-30	AG15-26	ICG015W	07/11/06	07/11/06
OC2-PMW20A-0-30	G048-06	307	50	NA	50	12.5	07/15/0622:45	NA	AG15-31	AG15-26	ICG015W	07/11/06	07/11/06
OC2-PMW20B-0-31	G048-07	311	50	NA	50	12.5	07/15/0623:02	NA	AG15-32	AG15-26	ICG015W	07/11/06	07/11/06
OC2-PMW20C-0-32	G048-08	133	20	NA	20	5	07/15/0623:19	NA	AG15-33	AG15-26	ICG015W	07/11/06	07/11/06
OC2-PMW20C-0-32DUP	G048-08D	133	20	NA	20	5	07/15/0623:35	NA	AG15-34	AG15-26	ICG015W	07/11/06	07/11/06
OC2-PMW20C-0-32MS	G048-08M	230	20	NA	20	5	07/15/0623:52	NA	AG15-35	AG15-26	ICG015W	07/11/06	07/11/06
OC2-PMW22-0-33	G048-09	192	20	NA	20	5	07/16/0600:08	NA	AG15-36	AG15-26	ICG015W	07/11/06	07/11/06

QC SUMMARIES

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG008WB	ICG008WL	ICG008WC		
LAB FILE ID:	AG11-35	AG11-36	AG11-37		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/12/0602:53	07/12/0603:10	07/12/0603:26	DATE RECEIVED:	NA
PREP. BATCH:	ICG008W	ICG008W	ICG008W		
CALIB. REF:	AG11-33	AG11-33	AG11-33		

ACCESSION:

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
Bromide	ND	5	4.83	97	5	4.83	97	0	90-110	20

EMAX QUALITY CONTROL DATA
MS ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

==========

MATRIX: WATER % MOISTURE: NA
DILUTION FACTOR: 1 1
SAMPLE ID: OC2-PMW20C-0-32
LAB SAMP ID: G048-08 G048-08M
LAB FILE ID: AG11-53 AG11-55
DATE EXTRACTED: NA NA DATE COLLECTED: 07/11/06
DATE ANALYZED: 07/12/0607:52 07/12/0608:25 DATE RECEIVED: 07/11/06
PREP. BATCH: ICG008W ICG008W
CALIB. REF: AG11-45 AG11-45

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	SPIKE AMT (mg/L)	MS RSLT (mg/L)	MS % REC	QC LIMIT (%)
Bromide	.228	5	5.62	108	80-120

0622

EMAX QUALITY CONTROL DATA
DUPLICATE SAMPLE ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	1	1		
SAMPLE ID:	OC2-PMW20C-0-32			
EMAX SAMP ID:	G048-08	G048-08D		
LAB FILE ID:	AG11-53	AG11-54		
DATE EXTRACTED:	NA	NA	DATE COLLECTED:	07/11/06
DATE ANALYZED:	07/12/0607:52	07/12/0608:08	DATE RECEIVED:	07/11/06
PREP. BATCH:	ICG008W	ICG008W		
CALIB. REF:	AG11-45	AG11-45		

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	DUPL RSLT (mg/L)	RPD RSLT %	QC LIMIT (%)
Bromide	.228J	.219J	NA	20

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG015WB	ICG015WL	ICG015WC		
LAB FILE ID:	AG15-04	AG15-06	AG15-07		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/15/0615:15	07/15/0615:51	07/15/0616:08	DATE RECEIVED:	NA
PREP. BATCH:	ICG015W	ICG015W	ICG015W		
CALIB. REF:	AG15-01	AG15-01	AG15-01		

ACCESSION:

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
Chloride-Cl	ND	5	4.74	95	5	4.75	95	0	90-110	20

EMAX QUALITY CONTROL DATA
MS ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

==========

MATRIX: WATER % MOISTURE: NA
DILUTION FACTOR: 20 20
SAMPLE ID: OC2-PMW20C-0-32
LAB SAMP ID: G048-08 G048-08M
LAB FILE ID: AG15-33 AG15-35
DATE EXTRACTED: NA NA DATE COLLECTED: 07/11/06
DATE ANALYZED: 07/15/0623:19 07/15/0623:52 DATE RECEIVED: 07/11/06
PREP. BATCH: ICG015W ICG015W
CALIB. REF: AG15-26 AG15-26

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	SPIKE AMT (mg/L)	MS RSLT (mg/L)	MS % REC	QC LIMIT (%)
Chloride-Cl	42	100	143	101	80-120

EMAX QUALITY CONTROL DATA
DUPLICATE SAMPLE ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	20	20		
SAMPLE ID:	OC2-PMW20C-0-32			
EMAX SAMP ID:	G048-08	G048-08D		
LAB FILE ID:	AG15-33	AG15-34		
DATE EXTRACTED:	NA	NA	DATE COLLECTED:	07/11/06
DATE ANALYZED:	07/15/0623:19	07/15/0623:35	DATE RECEIVED:	07/11/06
PREP. BATCH:	ICG015W	ICG015W		
CALIB. REF:	AG15-26	AG15-26		

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	DUPL RSLT (mg/L)	RPD RSLT %	QC LIMIT (%)
Chloride-Cl	42	41.7	1	20

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: EPA 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG008WB	ICG008WL	ICG008WC		
LAB FILE ID:	AG11-35	AG11-36	AG11-37		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/12/0602:53	07/12/0603:10	07/12/0603:26	DATE RECEIVED:	NA
PREP. BATCH:	ICG008W	ICG008W	ICG008W		
CALIB. REF:	AG11-33	AG11-33	AG11-33		

ACCESSION:

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
Fluoride-F	ND	2	1.85	92	2	1.84	92	0	90-110	20

EMAX QUALITY CONTROL DATA
MS ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: EPA 300.0

==========

MATRIX: WATER % MOISTURE: NA
DILUTION FACTOR: 1 1
SAMPLE ID: OC2-PMW20C-0-32
LAB SAMP ID: G048-08 G048-08M
LAB FILE ID: AG11-53 AG11-55
DATE EXTRACTED: NA NA DATE COLLECTED: 07/11/06
DATE ANALYZED: 07/12/0607:52 07/12/0608:25 DATE RECEIVED: 07/11/06
PREP. BATCH: ICG008W ICG008W
CALIB. REF: AG11-45 AG11-45

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	SPIKE AMT (mg/L)	MS RSLT (mg/L)	MS % REC	QC LIMIT (%)
Fluoride-F	.265	2	2.32	103	80-120

EMAX QUALITY CONTROL DATA
DUPLICATE SAMPLE ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: EPA 300.0

==========

MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	1	1		
SAMPLE ID:	OC2-PMW20C-0-32			
EMAX SAMP ID:	G048-08	G048-08D		
LAB FILE ID:	AG11-53	AG11-54		
DATE EXTRACTED:	NA	NA	DATE COLLECTED:	07/11/06
DATE ANALYZED:	07/12/0607:52	07/12/0608:08	DATE RECEIVED:	07/11/06
PREP. BATCH:	ICG008W	ICG008W		
CALIB. REF:	AG11-45	AG11-45		

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	DUPL RSLT (mg/L)	RPD RSLT %	QC LIMIT (%)
Fluoride-F	.265	.269	2	20

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG008WB	ICG008WL	ICG008WC		
LAB FILE ID:	AG11-35	AG11-36	AG11-37		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/12/0602:53	07/12/0603:10	07/12/0603:26	DATE RECEIVED:	NA
PREP. BATCH:	ICG008W	ICG008W	ICG008W		
CALIB. REF:	AG11-33	AG11-33	AG11-33		

ACCESSION:

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
Nitrate-N	ND	2	1.85	93	2	1.85	92	0	90-110	20

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK2W				
LAB SAMP ID:	ICG011WB	ICG011WL	ICG011WC		
LAB FILE ID:	AG12-34	AG12-35	AG12-36		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/13/0604:33	07/13/0604:50	07/13/0605:06	DATE RECEIVED:	NA
PREP. BATCH:	ICG011W	ICG011W	ICG011W		
CALIB. REF:	AG12-25	AG12-25	AG12-25		

ACCESSION:

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
Nitrate-N	ND	2	1.88	94	2	1.88	94	0	90-110	20

EMAX QUALITY CONTROL DATA
MS ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

==========

MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	1	1		
SAMPLE ID:	OC2-PMW20C-0-32			
LAB SAMP ID:	G048-08	G048-08M		
LAB FILE ID:	AG11-53	AG11-55		
DATE EXTRACTED:	NA	NA	DATE COLLECTED:	07/11/06
DATE ANALYZED:	07/12/0607:52	07/12/0608:25	DATE RECEIVED:	07/11/06
PREP. BATCH:	ICG008W	ICG008W		
CALIB. REF:	AG11-45	AG11-45		

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	SPIKE AMT (mg/L)	MS RSLT (mg/L)	MS % REC	QC LIMIT (%)
Nitrate-N	ND	2	1.98	99	80-120

EMAX QUALITY CONTROL DATA
DUPLICATE SAMPLE ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	1	1		
SAMPLE ID:	OC2-PMW20C-0-32			
EMAX SAMP ID:	G048-08	G048-08D		
LAB FILE ID:	AG11-53	AG11-54		
DATE EXTRACTED:	NA	NA	DATE COLLECTED:	07/11/06
DATE ANALYZED:	07/12/0607:52	07/12/0608:08	DATE RECEIVED:	07/11/06
PREP. BATCH:	ICG008W	ICG008W		
CALIB. REF:	AG11-45	AG11-45		

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	DUPL RSLT (mg/L)	RPD RSLT %	QC LIMIT (%)
Nitrate-N	ND	ND	NA	20

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG008WB	ICG008WL	ICG008WC		
LAB FILE ID:	AG11-35	AG11-36	AG11-37		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/12/0602:53	07/12/0603:10	07/12/0603:26	DATE RECEIVED:	NA
PREP. BATCH:	ICG008W	ICG008W	ICG008W		
CALIB. REF:	AG11-33	AG11-33	AG11-33		

ACCESSION:

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
Nitrite-N	ND	2	1.86	93	2	1.84	92	1	90-110	20

EMAX QUALITY CONTROL DATA
MS ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

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MATRIX: WATER % MOISTURE: NA
DILUTION FACTOR: 1 1
SAMPLE ID: OC2-PMW20C-0-32
LAB SAMP ID: G048-08 G048-08M
LAB FILE ID: AG11-53 AG11-55
DATE EXTRACTED: NA NA DATE COLLECTED: 07/11/06
DATE ANALYZED: 07/12/0607:52 07/12/0608:25 DATE RECEIVED: 07/11/06
PREP. BATCH: ICG008W ICG008W
CALIB. REF: AG11-45 AG11-45

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	SPIKE AMT (mg/L)	MS RSLT (mg/L)	MS % REC	QC LIMIT (%)
Nitrite-N	ND	2	1.97	98	80-120

0095

EMAX QUALITY CONTROL DATA
DUPLICATE SAMPLE ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

MATRIX: WATER % MOISTURE: NA
DILUTION FACTOR: 1 1
SAMPLE ID: OC2-PMW20C-0-32
EMAX SAMP ID: G048-08 G048-08D
LAB FILE ID: AG11-53 AG11-54
DATE EXTRACTED: NA NA DATE COLLECTED: 07/11/06
DATE ANALYZED: 07/12/0607:52 07/12/0608:08 DATE RECEIVED: 07/11/06
PREP. BATCH: ICG008W ICG008W
CALIB. REF: AG11-45 AG11-45

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	DUPL RSLT (mg/L)	RPD RSLT %	QC LIMIT (%)
Nitrite-N	ND	ND	NA	20

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG008WB	ICG008WL	ICG008WC		
LAB FILE ID:	AG11-35	AG11-36	AG11-37		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/12/0602:53	07/12/0603:10	07/12/0603:26	DATE RECEIVED:	NA
PREP. BATCH:	ICG008W	ICG008W	ICG008W		
CALIB. REF:	AG11-33	AG11-33	AG11-33		

ACCESSION:

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
ORTHOPHOSPHATE-P	ND	5	4.49	90	5	4.54	91	1	90-110	20

EMAX QUALITY CONTROL DATA
MS ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

==========

MATRIX: WATER % MOISTURE: NA
DILUTION FACTOR: 1 1
SAMPLE ID: OC2-PMW20C-0-32
LAB SAMP ID: G048-08 G048-08M
LAB FILE ID: AG11-53 AG11-55
DATE EXTRACTED: NA NA DATE COLLECTED: 07/11/06
DATE ANALYZED: 07/12/0607:52 07/12/0608:25 DATE RECEIVED: 07/11/06
PREP. BATCH: ICG008W ICG008W
CALIB. REF: AG11-45 AG11-45

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	SPIKE AMT (mg/L)	MS RSLT (mg/L)	MS % REC	QC LIMIT (%)
ORTHOPHOSPHATE-P	ND	5	5.28	106	80-120

EMAX QUALITY CONTROL DATA
DUPLICATE SAMPLE ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

==========

MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	1	1		
SAMPLE ID:	OC2-PMW20C-0-32			
EMAX SAMP ID:	G048-08	G048-08D		
LAB FILE ID:	AG11-53	AG11-54		
DATE EXTRACTED:	NA	NA	DATE COLLECTED:	07/11/06
DATE ANALYZED:	07/12/0607:52	07/12/0608:08	DATE RECEIVED:	07/11/06
PREP. BATCH:	ICG008W	ICG008W		
CALIB. REF:	AG11-45	AG11-45		

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	DUPL RSLT (mg/L)	RPD RSLT %	QC LIMIT (%)
ORTHOPHOSPHATE-P	ND	ND	NA	20

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG015WB	ICG015WL	ICG015WC		
LAB FILE ID:	AG15-04	AG15-06	AG15-07		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/15/0615:15	07/15/0615:51	07/15/0616:08	DATE RECEIVED:	NA
PREP. BATCH:	ICG015W	ICG015W	ICG015W		
CALIB. REF:	AG15-01	AG15-01	AG15-01		

ACCESSION:

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
Sulfate	ND	5	4.68	94	5	4.68	94	0	90-110	20

EMAX QUALITY CONTROL DATA
MS ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

==========

MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	20	20		
SAMPLE ID:	OC2-PMW20C-0-32			
LAB SAMP ID:	G048-08	G048-08M		
LAB FILE ID:	AG15-33	AG15-35		
DATE EXTRACTED:	NA	NA	DATE COLLECTED:	07/11/06
DATE ANALYZED:	07/15/0623:19	07/15/0623:52	DATE RECEIVED:	07/11/06
PREP. BATCH:	ICG015W	ICG015W		
CALIB. REF:	AG15-26	AG15-26		

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	SPIKE AMT (mg/L)	MS RSLT (mg/L)	MS % REC	QC LIMIT (%)
Sulfate	133	100	230	97	80-120

EMAX QUALITY CONTROL DATA
DUPLICATE SAMPLE ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 300.0

==========

MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	20	20		
SAMPLE ID:	OC2-PMW20C-0-32			
EMAX SAMP ID:	G048-08	G048-08D		
LAB FILE ID:	AG15-33	AG15-34		
DATE EXTRACTED:	NA	NA	DATE COLLECTED:	07/11/06
DATE ANALYZED:	07/15/0623:19	07/15/0623:35	DATE RECEIVED:	07/11/06
PREP. BATCH:	ICG015W	ICG015W		
CALIB. REF:	AG15-26	AG15-26		

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	DUPL RSLT (mg/L)	RPD RSLT %	QC LIMIT (%)
Sulfate	133	133	0	20

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G048**

METHOD 314.0
PERCHLORATE

Seven (7) water samples were received on 07/10/06 for Perchlorate analysis by Method 314.0 in accordance with "Method for Determination of Perchlorate by Ion Chromatography", EPA 600/98-118.

1. **Holding Time**

   Analysis met holding time criteria.

2. **Method Blank**

   Method blank was free of contamination at the reporting limit.

3. **Lab Control Sample/Lab Control Sample Duplicate**

   Lab control sample results were within QC limits.

4. **Duplicate**

   Sample G048-09 was analyzed for duplicate. %RPD was within QC limit.

5. **Matrix Spike**

   Sample G048-09 was spiked. %Recovery was within QC limit.

6. **Sample Analysis**

   Samples were analyzed according to the prescribed QC procedures. All criteria were met.

SAMPLE RESULTS

METHOD 314.0
PERCHLORATE

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G048

Matrix : WATER
Instrument ID : I57

SAMPLE ID	EMAX SAMPLE ID	RESULTS (ug/L)	DLF	MOIST	RL (ug/L)	MDL (ug/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	PCG001WB	ND	1	NA	5	.5	07/18/0619:27	NA	JG18002	JG18001	PCG001W	NA	NA
LCS1W	PCG001WL	10.2	1	NA	5	.5	07/18/0620:26	NA	JG18004	JG18001	PCG001W	NA	NA
LCD1W	PCG001WC	10.3	1	NA	5	.5	07/18/0620:46	NA	JG18005	JG18001	PCG001W	NA	NA
OC2-PMW16A-0-25	G048-01	6.62	1	NA	5	.5	07/19/0600:18	NA	JG18015	JG18012	PCG001W	07/11/06	07/11/06
OC2-PMW16B-0-26	G048-04	3.13J	1	NA	5	.5	07/19/0600:38	NA	JG18016	JG18012	PCG001W	07/11/06	07/11/06
OC2-PMW16C-0-27	G048-05	2.26J	1	NA	5	.5	07/19/0600:58	NA	JG18017	JG18012	PCG001W	07/11/06	07/11/06
OC2-PMW20A-0-30	G048-06	3.76J	1	NA	5	.5	07/19/0601:19	NA	JG18018	JG18012	PCG001W	07/11/06	07/11/06
OC2-PMW20B-0-31	G048-07	4.59J	1	NA	5	.5	07/19/0601:39	NA	JG18019	JG18012	PCG001W	07/11/06	07/11/06
OC2-PMW20C-0-32	G048-08	ND	1	NA	5	.5	07/19/0601:59	NA	JG18020	JG18012	PCG001W	07/11/06	07/11/06
OC2-PMW22-0-33	G048-09	3.51J	1	NA	5	.5	07/19/0602:19	NA	JG18021	JG18012	PCG001W	07/11/06	07/11/06
OC2-PMW22-0-33DUP	G048-09D	3.66J	1	NA	5	.5	07/19/0602:40	NA	JG18022	JG18012	PCG001W	07/11/06	07/11/06
OC2-PMW22-0-33MS	G048-09M	13.5	1	NA	5	.5	07/19/0603:20	NA	JG18024	JG18023	PCG001W	07/11/06	07/11/06

QC SUMMARIES

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 314.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	PCG001WB	PCG001WL	PCG001WC		
LAB FILE ID:	JG18002	JG18004	JG18005		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/18/0619:27	07/18/0620:26	07/18/0620:46	DATE RECEIVED:	NA
PREP. BATCH:	PCG001W	PCG001W	PCG001W		
CALIB. REF:	JG18001	JG18001	JG18001		

ACCESSION:

PARAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
Perchlorate	ND	10	10.2	102	10	10.3	103	1	85-115	20

EMAX QUALITY CONTROL DATA
MS ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 314.0

==========

MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	1	1		
SAMPLE ID:	OC2-PMW22-0-33			
LAB SAMP ID:	G048-09	G048-09M		
LAB FILE ID:	JG18021	JG18024		
DATE EXTRACTED:	NA	NA	DATE COLLECTED:	07/11/06
DATE ANALYZED:	07/19/0602:19	07/19/0603:20	DATE RECEIVED:	07/11/06
PREP. BATCH:	PCG001W	PCG001W		
CALIB. REF:	JG18012	JG18023		

ACCESSION:

PARAMETER	SMPL RSLT (ug/L)	SPIKE AMT (ug/L)	MS RSLT (ug/L)	MS % REC	QC LIMIT (%)
Perchlorate	3.51	10	13.5	100	80-120

EMAX QUALITY CONTROL DATA
DUPLICATE SAMPLE ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 314.0

MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	1	1		
SAMPLE ID:	OC2-PMW22-0-33			
EMAX SAMP ID:	G048-09	G048-09D		
LAB FILE ID:	JG18021	JG18022		
DATE EXTRACTED:	NA	NA	DATE COLLECTED:	07/11/06
DATE ANALYZED:	07/19/0602:19	07/19/0602:40	DATE RECEIVED:	07/11/06
PREP. BATCH:	PCG001W	PCG001W		
CALIB. REF:	JG18012	JG18012		

ACCESSION:

PARAMETER	SMPL RSLT (ug/L)	DUPL RSLT (ug/L)	RPD RSLT %	QC LIMIT (%)
Perchlorate	3.51J	3.66J	NA	20

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G048**

METHOD 351.3
TKN

Seven (7) water samples were received on 07/11/06 for TKN analysis by Method 351.3 in accordance with "Method for Chemical Analysis of Water and Wastewater", EPA 600/4-79-020 (1983).

1. **Holding Time**

   Analysis met holding time criteria.

2. **Method Blank**

   Method blank was free of contamination at the reporting limit.

3. **Lab Control Sample/Lab Control Sample Duplicate**

   Lab control results were within QC limit.

4. **Duplicate**

   Duplicate sample was not designated in this SDG.

5. **Matrix Spike**

   MS sample was not designated in this SDG.

6. **Sample Analysis**

   Samples were analyzed according to the prescribed QC procedures. All criteria were met.

METHOD 351.3
TKN

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G048

Matrix : WATER
Instrument ID : I70

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/L)	DLF	MOIST	RL (mg/L)	MDL (mg/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	KNG005WB	ND	1	NA	1	.035	07/20/0617:52	07/20/0608:30	KNG005-13	KNG005-09	KNG005W	NA	07/20/06
LCS1W	KNG005WL	1.12	1	NA	1	.035	07/20/0617:53	07/20/0608:30	KNG005-14	KNG005-09	KNG005W	NA	07/20/06
LCD1W	KNG005WC	1.05	1	NA	1	.035	07/20/0617:53	07/20/0608:30	KNG005-15	KNG005-09	KNG005W	NA	07/20/06
OC2-PMW16A-0-25	G048-01	.0958J	1	NA	1	.035	07/20/0618:03	07/20/0608:30	KNG005-26	KNG005-21	KNG005W	07/11/06	07/11/06
OC2-PMW16B-0-26	G048-04	.702J	1	NA	1	.035	07/20/0618:03	07/20/0608:30	KNG005-27	KNG005-21	KNG005W	07/11/06	07/11/06
OC2-PMW16C-0-27	G048-05	.368J	1	NA	1	.035	07/20/0618:04	07/20/0608:30	KNG005-28	KNG005-21	KNG005W	07/11/06	07/11/06
OC2-PMW20A-0-30	G048-06	.594J	1	NA	1	.035	07/20/0618:04	07/20/0608:30	KNG005-29	KNG005-21	KNG005W	07/11/06	07/11/06
OC2-PMW20B-0-31	G048-07	.502J	1	NA	1	.035	07/20/0618:04	07/20/0608:30	KNG005-30	KNG005-21	KNG005W	07/11/06	07/11/06
OC2-PMW20C-0-32	G048-08	.178J	1	NA	1	.035	07/20/0618:04	07/20/0608:30	KNG005-31	KNG005-21	KNG005W	07/11/06	07/11/06
OC2-PMW22-0-33	G048-09	.255J	1	NA	1	.035	07/20/0618:05	07/20/0608:30	KNG005-32	KNG005-21	KNG005W	07/11/06	07/11/06

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
METHOD: METHOD 351.3
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 06G048
SAMPLE ID: LCS1W/LCD1W
CONTROL NO.: KNG005WL/C

DATE RECEIVED: 07/20/06
DATE EXTRACTED: 07/20/06 08:30
DATE ANALYZED: 07/20/06 17:53/17:53

ACCESSION:

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
TKN	ND	1	1.12	112	1	1.05	105	6	80-120	20

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G048**

METHOD 335.2
TOTAL CYANIDE

Seven (7) water samples were received on 07/11/06 for Total Cyanide analysis by Method 335.2 in accordance with "Method for Chemical Analysis of Water and Wastewater", EPA 600/4-79-020 (1983).

1. **Holding Time**

   Analysis met holding time criteria.

2. **Method Blank**

   Method blank was free of contamination at the reporting limit.

3. **Lab Control Sample/Lab Control Sample Duplicate**

   Lab control results were within QC limit.

4. **Duplicate**

   Duplicate sample was not designated in this SDG.

5. **Matrix Spike**

   MS sample was not designated in this SDG.

6. **Sample Analysis**

   Samples were analyzed according to the prescribed QC procedures. All criteria were met.

METHOD 335.2
TOTAL CYANIDE

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G048

Matrix : WATER
Instrument ID : I70

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/L)	DLF	MOIST	RL (mg/L)	MDL (mg/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	CNG007WB	ND	1	NA	.01	.005	07/21/0610:17	07/20/0615:30	CNG007-12	CNG007-08	CNG007W	NA	NA
LCS1W	CNG007WL	.102	1	NA	.01	.005	07/21/0610:17	07/20/0615:30	CNG007-13	CNG007-08	CNG007W	NA	NA
LCD1W	CNG007WC	.103	1	NA	.01	.005	07/21/0610:17	07/20/0615:30	CNG007-14	CNG007-08	CNG007W	NA	NA
OC2-PMW16A-0-25	G048-01	ND	1	NA	.01	.005	07/21/0610:21	07/20/0615:30	CNG007-25	CNG007-20	CNG007W	07/11/06	07/11/06
OC2-PMW16B-0-26	G048-04	ND	1	NA	.01	.005	07/21/0610:22	07/20/0615:30	CNG007-26	CNG007-20	CNG007W	07/11/06	07/11/06
OC2-PMW16C-0-27	G048-05	ND	1	NA	.01	.005	07/21/0610:22	07/20/0615:30	CNG007-27	CNG007-20	CNG007W	07/11/06	07/11/06
OC2-PMW20A-0-30	G048-06	ND	1	NA	.01	.005	07/21/0610:22	07/20/0615:30	CNG007-28	CNG007-20	CNG007W	07/11/06	07/11/06
OC2-PMW20B-0-31	G048-07	ND	1	NA	.01	.005	07/21/0610:22	07/20/0615:30	CNG007-29	CNG007-20	CNG007W	07/11/06	07/11/06
OC2-PMW20C-0-32	G048-08	ND	1	NA	.01	.005	07/21/0610:23	07/20/0615:30	CNG007-30	CNG007-20	CNG007W	07/11/06	07/11/06
OC2-PMW22-0-33	G048-09	ND	1	NA	.01	.005	07/21/0610:23	07/20/0615:30	CNG007-31	CNG007-20	CNG007W	07/11/06	07/11/06

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
METHOD: METHOD 335.2
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 06G048
SAMPLE ID: LCS1WLCD1W
CONTROL NO.: CNG007WL/C

DATE RECEIVED: NA
DATE EXTRACTED: 07/20/06 15:30
DATE ANALYZED: 07/21/06 10:17/10:17

ACCESSION:

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
Cyanide	ND	.1	.102	102	.1	.103	103	1	80-120	20

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CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G048**

METHOD 370.1
DISSOLVED SILICA

Seven (7) water samples were received on 07/11/06 for Dissolved Silica analysis by Method 370.1 in accordance with "Method for Chemical Analysis of Water and Wastewater", EPA 600/4-79-020 (1983).

1. **Holding Time**

   Analysis met holding time criteria.

2. **Method Blank**

   Method blank was free of contamination at the reporting limit.

3. **Lab Control Sample/Lab Control Sample Duplicate**

   Lab control results were within QC limit.

4. **Duplicate**

   Sample G048-09 was analyzed for duplicate. %RPD was within QC limit.

5. **Matrix Spike**

   Sample G048-09 was spiked. Recovery was within QC limit.

6. **Sample Analysis**

   Samples were analyzed according to the prescribed QC procedures. All criteria were met.

METHOD 370.1
DISSOLVED SILICA

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G048

Matrix : WATER
Instrument ID : I70

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/L)	DLF	MOIST	RL (mg/L)	MDL (mg/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	SIG006WB	ND	1	NA	2	1	07/19/0617:09	NA	SIG006-10	SIG006-08	SIG006W	NA	NA
LCS1W	SIG006WL	14.7	1	NA	2	1	07/19/0617:10	NA	SIG006-11	SIG006-08	SIG006W	NA	NA
OC2-PMW16A-0-25	G048-01	24.2	1	NA	2	1	07/19/0617:11	NA	SIG006-12	SIG006-08	SIG006W	07/11/06	07/11/06
OC2-PMW16B-0-26	G048-04	22.9	1	NA	2	1	07/19/0617:12	NA	SIG006-13	SIG006-08	SIG006W	07/11/06	07/11/06
OC2-PMW16C-0-27	G048-05	21.8	1	NA	2	1	07/19/0617:13	NA	SIG006-14	SIG006-08	SIG006W	07/11/06	07/11/06
OC2-PMW20A-0-30	G048-06	23.4	1	NA	2	1	07/19/0617:14	NA	SIG006-15	SIG006-08	SIG006W	07/11/06	07/11/06
OC2-PMW20B-0-31	G048-07	22.2	1	NA	2	1	07/19/0617:15	NA	SIG006-16	SIG006-08	SIG006W	07/11/06	07/11/06
OC2-PMW20C-0-32	G048-08	19.7	1	NA	2	1	07/19/0617:16	NA	SIG006-17	SIG006-08	SIG006W	07/11/06	07/11/06
OC2-PMW22-0-33	G048-09	23.4	1	NA	2	1	07/19/0617:17	NA	SIG006-18	SIG006-08	SIG006W	07/11/06	07/11/06
OC2-PMW22-0-33DUP	G048-09D	23.4	1	NA	2	1	07/19/0617:18	NA	SIG006-19	SIG006-08	SIG006W	07/11/06	07/11/06
OC2-PMW22-0-33MS	G048-09G	35.9	2	NA	4	2	07/19/0617:22	NA	SIG006-23	SIG006-20	SIG006W	07/11/06	07/11/06

EMAX QUALITY CONTROL DATA
LCS ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
METHOD: METHOD 370.1
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 06G048
SAMPLE ID: LCS1W
CONTROL NO.: SIG006WL

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 07/19/06 17:10

ACCESSION:

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	LCS RSLT (mg/L)	LCS % REC	QC LIMIT (%)
Dissolved Silica	ND	15	14.7	98	80-120

EMAX QUALITY CONTROL DATA
MS ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
METHOD: METHOD 370.1
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 06G048
SAMPLE ID: OC2-PMW22-0-33MS
CONTROL NO.: G048-09G

DATE RECEIVED: 07/11/06
DATE EXTRACTED: NA
DATE ANALYZED: 07/19/06 17:22

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	SPIKE AMT (mg/L)	MS RSLT (mg/L)	MS % REC	QC LIMIT (%)
Dissolved Silica	23.4	15	35.9	83	75-125

EMAX QUALITY CONTROL DATA
DUPLICATE ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
METHOD: METHOD 370.1
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 06G048
SAMPLE ID: OC2-PMW22-0-33DUP
CONTROL NO.: G048-09D

DATE RECEIVED: 07/11/06
DATE EXTRACTED: NA
DATE ANALYZED: 07/19/06 17:18

ACCESSION:

PARAMETER	SAMPLE (mg/L)	DUP. SAMPLE (mg/L)	RPD (%)	RPD LIMIT (%)
Dissolved Silica	23.4	23.4	0	20

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G048**

METHOD 415.1
TOC

Seven (7) water samples were received on 07/11/06 for TOC analysis by Method 415.1 in accordance with "Method for Chemical Analysis of Water and Wastewater", EPA 600/4-79-020 (1983).

1. **Holding Time**

   Analysis met holding time criteria.

2. **Method Blank**

   Method blank was free of contamination at the reporting limit.

3. **Lab Control Sample/Lab Control Sample Duplicate**

   Lab control results were within QC limit.

4. **Duplicate**

   Duplicate sample was not designated in this SDG.

5. **Matrix Spike**

   MS sample was not designated in this SDG.

6. **Sample Analysis**

   Samples were analyzed according to the prescribed QC procedures. All criteria were met.

METHOD 415.1
TOC

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G048

Matrix : WATER
Instrument ID : I62

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/L)	DLF	MOIST	RL (mg/L)	MDL (mg/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	TCG012WB	ND	1	NA	2	.5	07/18/0600:29	NA	TCG012-5	TCG012-2	TCG012W	NA	NA
LCS1W	TCG012WL	24.9	1	NA	2	.5	07/18/0600:39	NA	TCG012-6	TCG012-2	TCG012W	NA	NA
LCD1W	TCG012WC	25	1	NA	2	.5	07/18/0600:49	NA	TCG012-7	TCG012-2	TCG012W	NA	NA
OC2-PMW16A-0-25	G048-01	1.65J	1	NA	2	.5	07/18/0600:58	NA	TCG012-8	TCG012-2	TCG012W	07/11/06	07/11/06
OC2-PMW16B-0-26	G048-04	.526J	1	NA	2	.5	07/18/0601:07	NA	TCG012-9	TCG012-2	TCG012W	07/11/06	07/11/06
OC2-PMW16C-0-27	G048-05	.74J	1	NA	2	.5	07/18/0601:16	NA	TCG012-10	TCG012-2	TCG012W	07/11/06	07/11/06
OC2-PMW20A-0-30	G048-06	.613J	1	NA	2	.5	07/18/0601:25	NA	TCG012-11	TCG012-2	TCG012W	07/11/06	07/11/06
OC2-PMW20B-0-31	G048-07	.649J	1	NA	2	.5	07/18/0601:34	NA	TCG012-12	TCG012-2	TCG012W	07/11/06	07/11/06
OC2-PMW20C-0-32	G048-08	.592J	1	NA	2	.5	07/18/0601:43	NA	TCG012-13	TCG012-2	TCG012W	07/11/06	07/11/06
OC2-PMW22-0-33	G048-09	.599J	1	NA	2	.5	07/18/0602:13	NA	TCG012-16	TCG012-14	TCG012W	07/11/06	07/11/06

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G048
METHOD: METHOD 415.1

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	TCG012WB	TCG012WL	TCG012WC		
LAB FILE ID:	TCG012-5	TCG012-6	TCG012-7		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/18/0600:29	07/18/0600:39	07/18/0600:49	DATE RECEIVED:	NA
PREP. BATCH:	TCG012W	TCG012W	TCG012W		
CALIB. REF:	TCG012-2	TCG012-2	TCG012-2		

ACCESSION:

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
TOC	ND	25	24.9	100	25	25	100	0	80-120	20

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

N-NITROSODIMETHYLAMINE BY GCMS

SDG#: 06G048

Your Project #: 06G048
Site: ARCADIS, OMEGA CHEMICALS

Attention: Richard Beauvil
EMAX LABORATORIES INC
1835 W 205TH ST
TORRANCE, CA
USA 90501

Report Date: 2006/07/28

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A670769
Received: 2006/07/14, 12:00

Sample Matrix: Water
Samples Received: 7

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Nitrosamines in Water by HRMS	7	2006/07/17	2006/07/28	Ont SOP 0121, 0710	EPA 607 / 1625 mod

MAXXAM ANALYTICS INC.

MARY-ANNE JOHNSON, B.A, B.Sc.
Project Manager

MAJ/maj
encl.

Total cover pages: 1

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A670769
Report Date: 2006/07/28

EMAX LABORATORIES INC
Client Project #: 06G048
Project name: ARCADIS, OMEGA CHEMICALS
Sampler Initials:

SEMI-VOLATILE ORGANICS BY HRMS (WATER)

Maxxam ID		N11493	N11494	N11495		
Sampling Date		2006/07/11 09:15	2006/07/11 10:15	2006/07/11 11:10		
	Units	**OC2-PMW16A-0-25**	**OC2-PMW16B-0-26**	**OC2-PMW16C-0-27**	**RDL**	**QC Batch**
N-Nitrosodimethylamine	ng/L	ND	ND	ND	2.00	1013406
Surrogate Recovery (%)						
D6-N-Nitrosodimethylamine	%	29	31	29		1013406

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Maxxam ID		N11496	N11497	N11521		
Sampling Date		2006/07/11 12:15	2006/07/11 13:25	2006/07/11 14:00		
	Units	**OC2-PMW20-0-30**	**OC2-PMW20B-0-31**	**OC2-PMW20C-0-32**	**RDL**	**QC Batch**
N-Nitrosodimethylamine	ng/L	ND	ND	ND	2.00	1013406
Surrogate Recovery (%)						
D6-N-Nitrosodimethylamine	%	22	27	22		1013406

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Maxxam ID		N11522		
Sampling Date		2006/07/11 15:15		
	Units	**OC2-PMW22-0-33**	**RDL**	**QC Batch**
N-Nitrosodimethylamine	ng/L	ND	2.00	1013406
Surrogate Recovery (%)				
D6-N-Nitrosodimethylamine	%	24		1013406

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A670769
Report Date: 2006/07/28

EMAX LABORATORIES INC
Client Project #: 06G048
Project name: ARCADIS, OMEGA CHEMICALS
Sampler Initials:

GENERAL COMMENTS

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

EMAX LABORATORIES INC
Attention: Richard Beauvil
Client Project #: 06G048
P.O. #:
Project name: ARCADIS, OMEGA CHEMICALS

Quality Assurance Report

Maxxam Job Number: GA670769

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1013406 EM	Spiked Blank	D6-N-Nitrosodimethylamine	2006/07/28		32	%	10 - 81
		N-Nitrosodimethylamine	2006/07/28		112	%	65 - 135
	RPD	N-Nitrosodimethylamine	2006/07/28	9.5		%	25
	Method Blank	D6-N-Nitrosodimethylamine	2006/07/28		35	%	10 - 81
		N-Nitrosodimethylamine	2006/07/28	ND, RDL=2.00		ng/L	

ND = Not detected
RPD = Relative Percent Difference
SPIKE = Fortified sample

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Maxxam Job #: A670769
Report Date: 2006/07/28

EMAX LABORATORIES INC
Client Project #: 06G048
Project name: ARCADIS, OMEGA CHEMICALS
Sampler Initials:

SEMI-VOLATILE ORGANICS BY HRMS (WATER)

Maxxam ID		N11493	N11494	N11495	N11496	N11497
Sampling Date		7/11/06 9:15	7/11/06 10:15	7/11/06 11:10	7/11/06 12:15	7/11/06 13:25
	Units	**OC2-PMW16A-0-25**	**OC2-PMW16B-0-26**	**OC2-PMW16C-0-27**	**OC2-PMW20-0-30**	**OC2-PMW20B-0-31**
N-Nitrosodimethylamine	ng/L	ND	ND	ND	ND	ND
Surrogate Recovery (%)						
D6-N-Nitrosodimethylamine	%	29	31	29	22	27

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

N11521	N11522		
7/11/06 14:00	7/11/06 15:15		
OC2-PMW20C-0-32	**OC2-PMW22-0-33**	**RDL**	**QC Batch**
ND	ND	2	1013406
22	24		1013406