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CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G027**

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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: 08-01-2006
EMAX Batch No.: 06G027

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 07/07/06.
The data reported include :

Sample ID	Control #	Col Date	Matrix	Analysis
OC2-PMW23B-0-13	G027-01	07/07/06	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
				SILICA, DISSOLVED
				METALS, DISSOLVED BY ICP-MS
				MERCURY DISSOLVED
				PERCHLORATE BY IC
				SEMIVOLATILE ORGANICS SIM
				SOLIDS TOTAL DISSOLVED
				TKN
				TOTAL ORGANIC CARBON
				N-NITROSODIMETHYLAMINE BY GCMS (
				SEMIVOLATILE ORGANICS BY GCMS
O2-00-W-4-11	G027-02	07/07/06	WATER	VOLATILE ORGANICS BY GC/MS
OC2-PMW23C-0-14	G027-03	07/07/06	WATER	VOLATILE ORGANICS BY GC/MS
				1,2,3-TRICHLOROPROPANE SIM

Sample ID	Control #	Col Date	Matrix	Analysis
				1,4-DIOXANE BY 8270 SIM
				ANIONS BY IC
				CHROMIUM HEXAVALENT BY IC
				CYANIDE TOTAL
				SILICA, DISSOLVED
				METALS, DISSOLVED BY ICP-MS
				MERCURY DISSOLVED
				PERCHLORATE BY IC
				SEMIVOLATILE ORGANICS SIM
				SOLIDS TOTAL DISSOLVED
				TKN
				TOTAL ORGANIC CARBON
				N-NITROSODIMETHYLAMINE BY GCMS (
				SEMIVOLATILE ORGANICS BY GCMS
TB-06-06-06	G027-04	07/07/06	WATER	VOLATILE ORGANICS BY GC/MS
OC2-PMW23C-1-15	G027-05	07/07/06	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
				SILICA, DISSOLVED
				METALS, DISSOLVED BY ICP-MS
				MERCURY DISSOLVED
				PERCHLORATE BY IC
				SEMIVOLATILE ORGANICS SIM
				SOLIDS TOTAL DISSOLVED
				TKN
				TOTAL ORGANIC CARBON
				N-NITROSODIMETHYLAMINE BY GCMS (
				SEMIVOLATILE ORGANICS BY GCMS
TB-01-06-06	G027-06	07/07/06	WATER	VOLATILE ORGANICS BY GC/MS
OC2-PMW23D-0-16	G027-07	07/07/06	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
				SILICA, DISSOLVED
				METALS, DISSOLVED BY ICP-MS
				MERCURY DISSOLVED

Sample ID	Control #	Col Date	Matrix	Analysis
				PERCHLORATE BY IC
				SEMIVOLATILE ORGANICS SIM
				SOLIDS TOTAL DISSOLVED
				TKN
				TOTAL ORGANIC CARBON
				N-NITROSODIMETHYLAMINE BY GCMS (
				SEMIVOLATILE ORGANICS BY GCMS
OC2-PMW14-0-12	G027-08	07/07/06	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
				SILICA, DISSOLVED
				METALS, DISSOLVED BY ICP-MS
				MERCURY DISSOLVED
				PERCHLORATE BY IC
				SEMIVOLATILE ORGANICS SIM
				SOLIDS TOTAL DISSOLVED
				TKN
				TOTAL ORGANIC CARBON
				N-NITROSODIMETHYLAMINE BY GCMS (
				SEMIVOLATILE ORGANICS BY GCMS
OC2-00-W-2-9	G027-09	07/07/06	WATER	VOLATILE ORGANICS BY GC/MS
OC2-00-W-4-10	G027-10	07/07/06	WATER	VOLATILE ORGANICS BY GC/MS

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

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. * 06G027
PROJECT CODE: CA000646.0001

CLIENT: ARCADIS
PROJECT: Omega Chemical OU-2
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: Kam Pang

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: VOCs - 8260B; 123 TCP 8260SIM; TOC - 415.1; SVOC - 8270C; NDMA - 8270C; 1,4-Dioxane 8270C; Dissolved METAL Total + Boron + Si; 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	VOCs (HC)	123 TCP (HC)	TOC (HC)	SVOC (IC)	NDMA (IC)	1,4-Dioxane (IC)	Dissolved METAL (IC)	TKN (HS)	COMMENTS
1	OC2-PMW23B-D-13		7/7/06	1215	3	40ml	VOA	GW		X								
2					3						X							
3					1							X						
4					2	1 H	Amber						X					
5					2									X				
6					1										X			
7					1	500	Poly									X		
8					1	500											X	
9					1	250												
10					1	125												

Instructions
1) Dissolved Tal METALS + Boron + Si FILTER IN Lab, USE EPA 6010/200.7, 8, 245.1 (2) SEND PDF + EXCEL EDF TO RON HALPERN
3) SEE ATTACHED SPREADSHEET FOR ANALYTICAL DETAILS

Cooler #	Temp. (°C)
1	3.0
2	3.5
3	2.8
4	3.6
5	3.2

Sample #s

SAMPLER
COURIER/AIRBILL

RELINQUISHED BY	Date	Time	RECEIVED BY
(1) ~~Dissolved Metals Total + Boron~~	7/7/06	1730	
	7/7/06	1893	

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 2

2 of 2

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: CA000646.000
SAMPLE STORAGE
EMAX CONTROL NO. *
PROJECT CODE: CA000646.0001

CLIENT: ARCADIS
PROJECT: OMEGA chemical OU-2
COORDINATOR: RON HALPERN
TEL: 949-294-1511 FAX: EMAIL: rhalpern@arcadis-us-com
SEND REPORT TO: RON HALPERN
COMPANY: ARCADIS
ADDRESS: 1400 N. Harbor Blvd #200, Fullerton, CA 92835
EMAX PM: Kam Pang

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: ANIONS TDS, PHC, Chloride, Cr+6; Cyanide - 335.2; VOCs - 8260B

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	IC	SH		HC				COMMENTS
1	1	OC2-PMW-23B-0-13		7/7	1215	1	250	poly	GW		X							
	2	↓			↓	1	125	↓	↓			X						
	3																	
	4																	
	5																	
	6																	
2	7	02-00-W-4-11		7/7		1	40m	VOA						X				Trip
	8																	
	9																	
	0																	

Instructions (1) anions Bromide, chloride, fluoride, sulfates, nitrate nitrites by EPA 300.0, TDS by EPA 160.1, perchlorate by EPA 314 Hexchrome by EPA 218.6

Cooler #	Temp. (°C)	Sample #s

SAMPLER

COURIER/AIRBILL

RELINQUISHED BY	Date	Time	RECEIVED BY
	7/7/06	1730	
	7/11/06	1843	

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.

12071

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. * 06G027
PROJECT CODE: CA000646.0001

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL OU-2
COORDINATOR: RON HALPERN
TEL: 949-294-1532 FAX: EMAIL: HALPERN@ARCADIS-US.COM
SEND REPORT TO: RON HALPERN
COMPANY: ARCADIS
ADDRESS: 1400 N. HARBOR BLVD #700, FULLERTON, CA 92835
EMAX PM: KAM PANG

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	VOCs 8260B (HC)	123 TCD 8260SIM (HC)	TOC 415.1 (HC)	SVOCs 8270C (IC)	NDMA 8270C (IC)	1,4 Dioxane 8270C (IC)	CA Dissolved METALS 6010/7000 (IC)	TKN 351.3 (HS)	COMMENTS
1	GC2-PMW23-0-14		7-7-06	1400	3	40mL	VOA	GW		X								
2					3						X							
3					1							X						
4					1								X					
5					2									X				
6					1										X			
7					1											X		
8					1												X	
9					1													
10					1													

3

Instructions (1) dissolved TAL METALS + BORON + Si FILTER IN lab, USE EPA 6010/7000 200.8, 245.1
(1) SEND PDF & EXCEL EDF TO RON HALPERN
(1) SEE ATTACHED spreadsheet FOR ANALYTICAL DETAILS

Cooler # | Temp. (°C) | Sample #s

SAMPLER
COURIER/AIRBILL

RELINQUISHED BY	Date	Time	RECEIVED BY
	7/7/06	1730	
	7/7/06	1843	

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.

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. * 066027
PROJECT CODE: CA000646.0001

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL OU-2
COORDINATOR: ROW HALPERN
TEL: 949-394-1532 FAX: EMAIL: rhalpern@arcadis-US.com
SEND REPORT TO: ROW 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: Anions, Perchlorate, Cr+6; Cyanide - 335.2; VOCs 8260B

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	IC	HC		HN					COMMENTS
3	OC2-PMW23C-0-14		7-7-06	[redacted]	1	250mL	Poly	GW		X								
4				1440	1	125mL	Poly				X							
3													X					
4	TB-01-06-06												X					
5																		
6																		
7																		
8																		
9																		
0																		

Instructions: (1) ANIONS Bromide, Chloride, Fluoride, Sulfates, Nitrates, Nitrites by EPA 300.0, TDS by EPA 160.1, [redacted] Perchlorate by EPA 314 Hex. Chrome by EPA 218.6

Cooler #	Temp. (°C)	Sample #s

SAMPLER
COURIER/AIRBILL

RELINQUISHED BY	Date	Time	RECEIVED BY
[signature]	7/7/06	1730	[signature]
[signature]	7/7/06	1843	[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.

1006

CHAIN OF CUSTODY

06G027

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. *CA000646.0001

PROJECT CODE:

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL OU2
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: VOCs 8260B; 123-TCP 8260 SIM; TOC-4151.1; SVOC-8270C; NDMA-8270C; 1,4 Dioxane 8270C; Dissolved Metals + Boron + Si; 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	HC	HC	HC	IC	IC	IC	IC	HS	COMMENTS
1	OC1-AMW-23C-1-15		7-7-06	1440	3	40mL	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		
8					1	500											X	
9					1	250												
10					1	125												

5

Instructions (1) dissolved Total Metals + Boron + Si. Filter in lab, use EPA 6010/200.8, 245.1
(2) Send PDF Excel EDF to Ron Halpern
3) See attached spread sheet for anal. details

Cooler #	Temp. (°C)	Sample #s

SAMPLER:

COURIER/AIRBILL:

RELINQUISHED BY	Date	Time	RECEIVED BY
	7/7/06	1730	
	7/7/06	1843	

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.

4997

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: CA 000646.0000
SAMPLE STORAGE
EMAX CONTROL NO. *
PROJECT CODE: CA000646.0000.1

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL OU-2
COORDINATOR: RON HALPERN
TEL: 949-299-1531 FAX: EMAIL: RHALPERN@ARCADIS-US.COM
SEND REPORT TO: RON HALPERN
COMPANY: 1400 N. HARBOR BLVD. #700
ADDRESS: 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: Anions (Br, Cl, F, SO4, NO3, NO2) by EPA 300.0; Perchlorate by EPA 314; Cyanide 335.4; VOC 8260B

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	SH		HC					COMMENTS
5	1	OC2-AMW23C-1-15		7-7-06	1440	1	250	Poly	GW		X								
	2	↓		↓	↓	1	125	↓	↓			X							
	3																		
6	4	TB-01-06-06				1	40mL	VOA						X					Temp
	5																		
	6																		
	7																		
	8																		
	9																		
	0																		

Instructions (1) ANIONS Bromide, chloride, fluoride, sulfate, nitrates nitrites by EPA 300.0, TDS by EPA 160.1, Perchlorates by EPA 314, Hexchrom by EPA-218.6

Cooler #	Temp. (°C)	Sample #s

SAMPLER

COURIER/AIRBILL

RELINQUISHED BY	Date	Time	RECEIVED BY
	7/7/06	1730	
	7/7/06	1893	

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.

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 CHEMICALS OU 2
COORDINATOR: RON HALPERN
TEL: 949-294-1532 FAX: EMAIL: r.halpern@arcadis-us.com
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: VOCs 8260B; 1,2,3 TCP 8260 SIM; TOC 415.1; SVOCs 8270C; NDMA - 8270C; 1,4 Dioxane 8270C; Dissolved TAL Metals + Boron + Si; TKN 351.2

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	AC2-PMW23D-0-16		7-7-06	1600	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		
8					1	500											X	
9					1	250												
10					1	125												

Instructions (1) Dissolved TAL Metals + Boron + Si ; Filter in Lab use EPA 6010/7000; 200.8, 245.1
(2) Send PDF & Excel EDD to Ron Halpern
(3) See Attached Spread Sheet for Analytical Details

Cooler # | Temp. (°C) | Sample #s

SAMPLER
COURIER/AIRBILL

RELINQUISHED BY	Date	Time	RECEIVED BY
	7/7/06	1730	
	7/7/06	1843	

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.

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1005

CHAIN OF CUSTODY

06 G 027 2 of 2

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

PO NUMBER: CA006646.0001
SAMPLE STORAGE
EMAX CONTROL NO. *
PROJECT CODE: CA006646.0001

CLIENT: ARCADIS
PROJECT: OMEGA Chemical OU 2
COORDINATOR: Ron Halpern
TEL: 949 294 7532 FAX: EMAIL: hhalpern@arcadis-us.com
SEND REPORT TO: Ron Halpern
COMPANY: ARCADIS
ADDRESS: 14000 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

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 SH	COMMENTS
1	GC2-AMW23D-0-16		7-7-06	1600	1	250	Poly	GW		X		
2			↓	↓	1	125	↓	↓			X	
3												
4												
5												
6												
7												
8												
9												
0												

7/8/06

Instructions: 1) Anions, Bromide, chloride, fluoride, sulfates nitrite, nitrates by EPA 300.0, TDS by EPA 160.1, Perchlorate by EPA 314.1 Hex chrome by EPA-218.6

Cooler #	Temp. (°C)	Sample #s

SAMPLER

COURIER/AIRBILL

RELINQUISHED BY	Date	Time	RECEIVED BY
	7/7/06	1730	
	7/7/06	1845	

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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Pg1

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: CA000 646.0001

CLIENT: ARCADIS
PROJECT: Omega Chemical OU-2
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, Suite 700, Fullerton, CA 92835
EMAX PM: Kam Pang

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	VOCs - 8260B (HC)	123-TCP 8260 SIM (HC)	TOC - 415.1 (HC)	SVOC - 8270C (IC)	NDMA - 8270C (IC)	1,4-Dioxane 8270C (IC)	Dissolved TAL Metals (+Boron+Si) (IC)	TKN - 351.3 (HS)	COMMENTS
1	MOC2-PMW14-0-12		7/7/06	0945	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		
8					1	500											X	
9					1	250												
10					1	125												

8

Instructions (1) Dissolved TAL Metals + Boron + Si: Filter in lab.
use EPA 6010/7000, 200.8, 245.1
(2) Send PDF + Excel EDF to Ron Halpern
(3) See Attached Spreadsheet for Analytical Details.

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	RECEIVED BY
	7/7/06	1730	
	7/7/06	1893	

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.

1011

Pg 2

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: CA000646.000
SAMPLE STORAGE
EMAX CONTROL NO. *
PROJECT CODE: CA000646.0001

CLIENT: ARCADIS
PROJECT: Omega Chemical OU-2
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: Kam Pang

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: Anions TDS, perchlorate, etc.76; Cyanide - 335.2; VOCs - 8260B

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	IC	SH		HC					COMMENTS
8	1	OC2-PMW14-0-12		7/7/06	0915	1	250	Poly	GW		X								
	2	↓		↓	↓	1	125	↓	↓			X							
	3																		
9	4	OC2-00-W-2-9		7/7/06		3	40ml	VOA						X					
10	5	OC2-00-W-4-10		7/7/06		1	↓	↓						X					Trip
	6																		
	7																		
	8																		
	9																		
	0																		

Instructions: (1) Anions: Bromide, Chloride, Fluoride, Sulfates, nitrates, nitrites by EPA 300.0; TDS by EPA 160.1; perchlorate by EPA 314; Hex Chrome by EPA 218.6

Cooler #	Temp. (°C)	Sample #s

SAMPLER

COURIER/AIRBILL

RELINQUISHED BY	Date	Time	RECEIVED BY
	7/7/06	1730	
	7/7/06	1843	

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.

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SAMPLE RECEIPT FORM 1

Type of Delivery	Delivered By/Airbill		
☑ EMAX Courier	STAT C.O.C	ECN	06G027
☐ Client Delivery		Recepient	LUNA
☐ Third Party		Date	070706
		Time	18:43

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	☐
Temperatures	☑ Cooler 1 3.0	☑ Cooler 2 T-3.5	☑ Cooler 3 T-2.8	☑ Cooler 4 3.6
	☑ Cooler 5 T-3.2	☐ Cooler 6 ____	☐ Cooler 7 ____	☐ Cooler 8 ____
	☐ Cooler 9 ____	☐ Cooler 10 ____	☐ Cooler 11 ____	☐ Cooler 12 ____

Comments:

LSCID	Client ID	Discrepancy	Corrective Action
03	OC2-PMW23C-0-14	TIME REPORT ON VIALS 14:30	Follow COC
		VS 1440 ON C.O.C	
05	OC2PMW 23C 1-15	TIME REPORT ON VIALS 14:30	
		VS 1440 ON COC.	
09	OC2-OB-W-2-9	TIME REPORT ON VIALS 9:25	
		BUT NO TIME ON COC.	
07		NOT ALL ANALYSES REQSTD ON COC;	Analyze also for Anions, TDS, Perchlorate, CrVI, CN- as per client!
		1/ 070706	

LSCID : Lab Sample Container ID

REVIEWS

Sample Labeling ____ Date 070706

SRF ____ Date 7/7/06

PM ____ Date 7/10/06

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#: 06G027

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G027**

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

Ten (10) water samples were received on 07/07/06 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. : 06G027
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	V005G17Q	1	NA	07/12/0614:40	07/12/0614:40	RGQ176	RGQ022	V005G17	Method Blank
LCS1W	V005G17L	1	NA	07/12/0612:49	07/12/0612:49	RGQ173	RGQ022	V005G17	Lab Control Sample (LCS)
LCD1W	V005G17C	1	NA	07/12/0613:25	07/12/0613:25	RGQ174	RGQ022	V005G17	LCS Duplicate
O2-00-W-4-11	G027-02	1	NA	07/12/0621:28	07/12/0621:28	RGQ187	RGQ022	V005G17	Field Sample
OC2-PMW23B-0-13	G027-01	1	NA	07/12/0622:05	07/12/0622:05	RGQ188	RGQ022	V005G17	Field Sample
OC2-PMW23C-0-14	G027-03	1	NA	07/12/0622:42	07/12/0622:42	RGQ189	RGQ022	V005G17	Field Sample
MBLK2W	V005G19Q	1	NA	07/13/0604:14	07/13/0604:14	RGQ198	RGQ022	V005G19	Method Blank
LCS2W	V005G19L	1	NA	07/13/0602:23	07/13/0602:23	RGQ195	RGQ022	V005G19	Lab Control Sample (LCS)
LCD2W	V005G19C	1	NA	07/13/0603:00	07/13/0603:00	RGQ196	RGQ022	V005G19	LCS Duplicate
TB-06-06-06	G027-04	1	NA	07/13/0604:51	07/13/0604:51	RGQ199	RGQ022	V005G19	Field Sample
TB-01-06-06	G027-06	1	NA	07/13/0605:28	07/13/0605:28	RGQ200	RGQ022	V005G19	Field Sample
OC2-00-W-4-10	G027-10	1	NA	07/13/0606:05	07/13/0606:05	RGQ201	RGQ022	V005G19	Field Sample
OC2-PMW23C-1-15	G027-05	1	NA	07/13/0606:42	07/13/0606:42	RGQ202	RGQ022	V005G19	Field Sample
OC2-PMW14-0-12	G027-08	1	NA	07/13/0607:56	07/13/0607:56	RGQ204	RGQ022	V005G19	Field Sample
OC2-00-W-2-9	G027-09	1	NA	07/13/0608:33	07/13/0608:33	RGQ205	RGQ022	V005G19	Field Sample
MBLK3W	V005G22Q	1	NA	07/14/0605:39	07/14/0605:39	RGQ238	RGQ022	V005G22	Method Blank
LCS3W	V005G22L	1	NA	07/14/0603:47	07/14/0603:47	RGQ235	RGQ022	V005G22	Lab Control Sample (LCS)
LCD3W	V005G22C	1	NA	07/14/0604:24	07/14/0604:24	RGQ236	RGQ022	V005G22	LCS Duplicate
OC2-PMW23C-0-14DL	G027-03T	50	NA	07/14/0606:16	07/14/0606:16	RGQ239	RGQ022	V005G22	Diluted Sample
OC2-PMW23C-1-15DL	G027-05T	50	NA	07/14/0606:53	07/14/0606:53	RGQ240	RGQ022	V005G22	Diluted Sample
OC2-PMW23D-0-16	G027-07R	1	NA	07/14/0607:30	07/14/0607:30	RGQ241	RGQ022	V005G22	Field Sample
OC2-PMW14-0-12DL	G027-08T	10	NA	07/14/0608:07	07/14/0608:07	RGQ242	RGQ022	V005G22	Diluted Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/12/06 22:05
Sample ID:	OC2-PMW23B-0-13	Date Analyzed:	07/12/06 22:05
Lab Samp ID:	G027-01	Dilution Factor:	1
Lab File ID:	RGQ188	Matrix	: WATER
Ext Btch ID:	VO05G17	% 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	1.2	.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	.42J	1	.2
CHLOROMETHANE	ND	1	.2
CIS-1,2-DICHLOROETHENE	1.2	.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	21	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	ND	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	16	.5	.2
TRICHLOROFLUOROMETHANE	ND	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	.31J	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	107	70-140
4-BROMOFLUOROBENZENE	102	70-130
TOLUENE-D8	106	70-140

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/12/06 21:28
Sample ID:	02-00-W-4-11	Date Analyzed:	07/12/06 21:28
Lab Samp ID:	G027-02	Dilution Factor:	1
Lab File ID:	RGQ187	Matrix :	WATER
Ext Btch ID:	VO05G17	% 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	102	70-140
4-BROMOFLUOROBENZENE	102	70-130
TOLUENE-D8	105	70-140

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/12/06 22:42
Sample ID:	OC2-PMW23C-0-14	Date Analyzed:	07/12/06 22:42
Lab Samp ID:	G027-03	Dilution Factor:	1
Lab File ID:	RGQ189	Matrix :	WATER
Ext Btch ID:	VO05G17	% 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	.47J	.5	.2
1,1,2,2-TETRACHLOROETHANE	ND	.5	.2
1,1,2-TRICHLOROETHANE	.52	.5	.2
1,1-DICHLOROETHANE	2.1	.5	.2
1,1-DICHLOROETHENE	190E	.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	9.3	.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	.24J	.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	110E	1	.2
CHLOROMETHANE	ND	1	.2
CIS-1,2-DICHLOROETHENE	16	.5	.2
CIS-1,3-DICHLOROPROPENE	ND	.5	.2
CYCLOHEXANE	ND	1	.2
DIBROMOCHLOROMETHANE	ND	1	.2
DIBROMOMETHANE	ND	1	.2
DICHLORODIFLUOROMETHANE	.65J	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	260E	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	1.5	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	420E	.5	.2
TRICHLOROFLUOROMETHANE	180E	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	500E	1	.2
MTBE	1.4	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	106	70-140

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

Client : ARCADIS	Date Collected: 07/07/06
Project : OMEGA CHEMICAL	Date Received: 07/07/06
Batch No. : 06G027	Date Extracted: 07/14/06 06:16
Sample ID: OC2-PMW23C-0-14DL	Date Analyzed: 07/14/06 06:16
Lab Samp ID: G027-03T	Dilution Factor: 50
Lab File ID: RGQ239	Matrix : WATER
Ext Btch ID: VO05G22	% 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	50	10
1,1,1-TRICHLOROETHANE	ND	25	10
1,1,2,2-TETRACHLOROETHANE	ND	25	10
1,1,2-TRICHLOROETHANE	ND	25	10
1,1-DICHLOROETHANE	ND	25	10
1,1-DICHLOROETHENE	420	25	10
1,1-DICHLOROPROPENE	ND	25	10
1,2,3-TRICHLOROBENZENE	ND	50	10
1,2,4-TRICHLOROBENZENE	ND	50	10
1,2,4-TRIMETHYLBENZENE	ND	25	10
1,2-DIBROMO-3-CHLOROPROPANE	ND	50	25
1,2-DICHLOROBENZENE	ND	25	10
1,2-DICHLOROETHANE	ND	25	10
1,2-DICHLOROPROPANE	ND	25	10
1,2-DIBROMOETHANE	ND	25	10
1,3,5-TRIMETHYLBENZENE	ND	50	10
1,3-DICHLOROBENZENE	ND	25	10
1,3-DICHLOROPROPANE	ND	25	10
1,4-DICHLOROBENZENE	ND	25	10
2,2-DICHLOROPROPANE	ND	50	10
2-CHLOROTOLUENE	ND	50	10
4-CHLOROTOLUENE	ND	50	10
BENZENE	ND	25	10
BROMODICHLOROMETHANE	ND	25	10
BROMOFORM	ND	25	15
BROMOMETHANE	ND	25	10
CARBON DISULFIDE	ND	50	10
CARBON TETRACHLORIDE	ND	25	10
CHLOROBENZENE	ND	50	10
CHLOROETHANE	ND	25	10
CHLOROFORM	120	50	10
CHLOROMETHANE	ND	50	10
CIS-1,2-DICHLOROETHENE	17J	25	10
CIS-1,3-DICHLOROPROPENE	ND	25	10
CYCLOHEXANE	ND	50	10
DIBROMOCHLOROMETHANE	ND	50	10
DIBROMOMETHANE	ND	50	10
DICHLORODIFLUOROMETHANE	ND	50	15
ETHYLBENZENE	ND	25	10
HEXACHLOROBUTADIENE	ND	50	10
ISOPROPYL BENZENE	ND	25	10
M/P-XYLENES	ND	50	25
METHYL ACETATE	ND	50	25
METHYLCYCLOHEXANE	ND	50	10
METHYLENE CHLORIDE	ND	50	25
N-BUTYLBENZENE	ND	50	10
N-PROPYLBENZENE	ND	50	10
NAPHTHALENE	ND	100	25
O-XYLENE	ND	50	10
SEC-BUTYLBENZENE	ND	50	10
STYRENE	ND	25	10
TERT-BUTYLBENZENE	ND	50	10
TETRACHLOROETHENE	580	25	10
TOLUENE	ND	25	10
TRANS-1,2-DICHLOROETHENE	ND	25	10
TRANS-1,3-DICHLOROPROPENE	ND	25	10
TRICHLOROETHENE	420	25	10
TRICHLOROFLUOROMETHANE	190	50	10
VINYL ACETATE	ND	100	25
VINYL CHLORIDE	ND	25	10
FC 113	510	50	10
MTBE	ND	50	10
XYLENES, TOTAL	ND	100	35
ACETONE	ND	500	250
2-BUTANONE	ND	250	50
2-HEXANONE	ND	500	250
4-METHYL-2-PENTANONE	ND	500	250

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	108	70-140
4-BROMOFLUOROBENZENE	106	70-130
TOLUENE-D8	106	70-140

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/13/06 04:51
Sample ID:	TB-06-06-06	Date Analyzed:	07/13/06 04:51
Lab Samp ID:	G027-04	Dilution Factor:	1
Lab File ID:	RGQ199	Matrix :	WATER
Ext Btch ID:	VO05G19	% 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	104	70-140
4-BROMOFLUOROBENZENE	102	70-130
TOLUENE-D8	106	70-140

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/13/06 06:42
Sample ID:	OC2-PMW23C-1-15	Date Analyzed:	07/13/06 06:42
Lab Samp ID:	G027-05	Dilution Factor:	1
Lab File ID:	RGQ202	Matrix :	WATER
Ext Btch ID:	VO05G19	% 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	.47J	.5	.2
1,1,2,2-TETRACHLOROETHANE	ND	.5	.2
1,1,2-TRICHLOROETHANE	.48J	.5	.2
1,1-DICHLOROETHANE	2.1	.5	.2
1,1-DICHLOROETHENE	160E	.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	9.3	.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	.24J	.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	110E	1	.2
CHLOROMETHANE	ND	1	.2
CIS-1,2-DICHLOROETHENE	16	.5	.2
CIS-1,3-DICHLOROPROPENE	ND	.5	.2
CYCLOHEXANE	ND	1	.2
DIBROMOCHLOROMETHANE	ND	1	.2
DIBROMOMETHANE	ND	1	.2
DICHLORODIFLUOROMETHANE	.69J	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	330E	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	1.4	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	410E	.5	.2
TRICHLOROFLUOROMETHANE	180E	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	500E	1	.2
MTBE	1.2	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	106	70-130
TOLUENE-D8	107	70-140

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/14/06 06:53
Sample ID:	OC2-PMW23C-1-15DL	Date Analyzed:	07/14/06 06:53
Lab Samp ID:	G027-05T	Dilution Factor:	50
Lab File ID:	RGQ240	Matrix :	WATER
Ext Btch ID:	VO05G22	% 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	50	10
1,1,1-TRICHLOROETHANE	ND	25	10
1,1,2,2-TETRACHLOROETHANE	ND	25	10
1,1,2-TRICHLOROETHANE	ND	25	10
1,1-DICHLOROETHANE	ND	25	10
1,1-DICHLOROETHENE	420	25	10
1,1-DICHLOROPROPENE	ND	25	10
1,2,3-TRICHLOROBENZENE	ND	50	10
1,2,4-TRICHLOROBENZENE	ND	50	10
1,2,4-TRIMETHYLBENZENE	ND	25	10
1,2-DIBROMO-3-CHLOROPROPANE	ND	50	25
1,2-DICHLOROBENZENE	ND	25	10
1,2-DICHLOROETHANE	ND	25	10
1,2-DICHLOROPROPANE	ND	25	10
1,2-DIBROMOETHANE	ND	25	10
1,3,5-TRIMETHYLBENZENE	ND	50	10
1,3-DICHLOROBENZENE	ND	25	10
1,3-DICHLOROPROPANE	ND	25	10
1,4-DICHLOROBENZENE	ND	25	10
2,2-DICHLOROPROPANE	ND	50	10
2-CHLOROTOLUENE	ND	50	10
4-CHLOROTOLUENE	ND	50	10
BENZENE	ND	25	10
BROMODICHLOROMETHANE	ND	25	10
BROMOFORM	ND	25	15
BROMOMETHANE	ND	25	10
CARBON DISULFIDE	ND	50	10
CARBON TETRACHLORIDE	ND	25	10
CHLOROBENZENE	ND	50	10
CHLOROETHANE	ND	25	10
CHLOROFORM	120	50	10
CHLOROMETHANE	ND	50	10
CIS-1,2-DICHLOROETHENE	17J	25	10
CIS-1,3-DICHLOROPROPENE	ND	25	10
CYCLOHEXANE	ND	50	10
DIBROMOCHLOROMETHANE	ND	50	10
DIBROMOMETHANE	ND	50	10
DICHLORODIFLUOROMETHANE	ND	50	15
ETHYLBENZENE	ND	25	10
HEXACHLOROBUTADIENE	ND	50	10
ISOPROPYL BENZENE	ND	25	10
M/P-XYLENES	ND	50	25
METHYL ACETATE	ND	50	25
METHYLCYCLOHEXANE	ND	50	10
METHYLENE CHLORIDE	ND	50	25
N-BUTYLBENZENE	ND	50	10
N-PROPYLBENZENE	ND	50	10
NAPHTHALENE	ND	100	25
O-XYLENE	ND	50	10
SEC-BUTYLBENZENE	ND	50	10
STYRENE	ND	25	10
TERT-BUTYLBENZENE	ND	50	10
TETRACHLOROETHENE	580	25	10
TOLUENE	ND	25	10
TRANS-1,2-DICHLOROETHENE	ND	25	10
TRANS-1,3-DICHLOROPROPENE	ND	25	10
TRICHLOROETHENE	410	25	10
TRICHLOROFLUOROMETHANE	190	50	10
VINYL ACETATE	ND	100	25
VINYL CHLORIDE	ND	25	10
FC 113	520	50	10
MTBE	ND	50	10
XYLENES, TOTAL	ND	100	35
ACETONE	ND	500	250
2-BUTANONE	ND	250	50
2-HEXANONE	ND	500	250
4-METHYL-2-PENTANONE	ND	500	250

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	108	70-140
4-BROMOFLUOROBENZENE	104	70-130
TOLUENE-D8	105	70-140

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/13/06 05:28
Sample ID:	TB-01-06-06	Date Analyzed:	07/13/06 05:28
Lab Samp ID:	G027-06	Dilution Factor:	1
Lab File ID:	RGQ200	Matrix	: WATER
Ext Btch ID:	VO05G19	% 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	103	70-130
TOLUENE-D8	105	70-140

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/14/06 07:30
Sample ID:	OC2-PMW23D-0-16	Date Analyzed:	07/14/06 07:30
Lab Samp ID:	G027-07R	Dilution Factor:	1
Lab File ID:	RGQ241	Matrix :	WATER
Ext Btch ID:	VO05G22	% 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	.27J	.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	106	70-130
TOLUENE-D8	105	70-140

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/13/06 07:56
Sample ID:	OC2-PMW14-0-12	Date Analyzed:	07/13/06 07:56
Lab Samp ID:	G027-08	Dilution Factor:	1
Lab File ID:	RGQ204	Matrix	: WATER
Ext Btch ID:	VO05G19	% 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	.48J	.5	.2
1,1-DICHLOROETHENE	170E	.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	1.6	.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	16	1	.2
CHLOROMETHANE	ND	1	.2
CIS-1,2-DICHLOROETHENE	.77	.5	.2
CIS-1,3-DICHLOROPROPENE	ND	.5	.2
CYCLOHEXANE	ND	1	.2
DIBROMOCHLOROMETHANE	ND	1	.2
DIBROMOMETHANE	ND	1	.2
DICHLORODIFLUOROMETHANE	.5J	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	230E	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	.29J	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	36	.5	.2
TRICHLOROFLUOROMETHANE	110E	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	270E	1	.2
MTBE	.6J	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	108	70-140
4-BROMOFLUOROBENZENE	104	70-130
TOLUENE-D8	107	70-140

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/14/06 08:07
Sample ID:	OC2-PMW14-0-12DL	Date Analyzed:	07/14/06 08:07
Lab Samp ID:	G027-08T	Dilution Factor:	10
Lab File ID:	RGQ242	Matrix	: WATER
Ext Btch ID:	VO05G22	% 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	10	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	180	5	2
1,1-DICHLOROPROPENE	ND	5	2
1,2,3-TRICHLOROBENZENE	ND	10	2
1,2,4-TRICHLOROBENZENE	ND	10	2
1,2,4-TRIMETHYLBENZENE	ND	5	2
1,2-DIBROMO-3-CHLOROPROPANE	ND	10	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	10	2
1,3-DICHLOROBENZENE	ND	5	2
1,3-DICHLOROPROPANE	ND	5	2
1,4-DICHLOROBENZENE	ND	5	2
2,2-DICHLOROPROPANE	ND	10	2
2-CHLOROTOLUENE	ND	10	2
4-CHLOROTOLUENE	ND	10	2
BENZENE	ND	5	2
BROMODICHLOROMETHANE	ND	5	2
BROMOFORM	ND	5	3
BROMOMETHANE	ND	5	2
CARBON DISULFIDE	ND	10	2
CARBON TETRACHLORIDE	ND	5	2
CHLOROBENZENE	ND	10	2
CHLOROETHANE	ND	5	2
CHLOROFORM	18	10	2
CHLOROMETHANE	ND	10	2
CIS-1,2-DICHLOROETHENE	ND	5	2
CIS-1,3-DICHLOROPROPENE	ND	5	2
CYCLOHEXANE	ND	10	2
DIBROMOCHLOROMETHANE	ND	10	2
DIBROMOMETHANE	ND	10	2
DICHLORODIFLUOROMETHANE	ND	10	3
ETHYLBENZENE	ND	5	2
HEXACHLOROBUTADIENE	ND	10	2
ISOPROPYL BENZENE	ND	5	2
M/P-XYLENES	ND	10	5
METHYL ACETATE	ND	10	5
METHYLCYCLOHEXANE	ND	10	2
METHYLENE CHLORIDE	ND	10	5
N-BUTYLBENZENE	ND	10	2
N-PROPYLBENZENE	ND	10	2
NAPHTHALENE	ND	20	5
O-XYLENE	ND	10	2
SEC-BUTYLBENZENE	ND	10	2
STYRENE	ND	5	2
TERT-BUTYLBENZENE	ND	10	2
TETRACHLOROETHENE	230	5	2
TOLUENE	ND	5	2
TRANS-1,2-DICHLOROETHENE	ND	5	2
TRANS-1,3-DICHLOROPROPENE	ND	5	2
TRICHLOROETHENE	37	5	2
TRICHLOROFLUOROMETHANE	110	10	2
VINYL ACETATE	ND	20	5
VINYL CHLORIDE	ND	5	2
FC 113	280	10	2
MTBE	ND	10	2
XYLENES, TOTAL	ND	20	7
ACETONE	ND	100	50
2-BUTANONE	ND	50	10
2-HEXANONE	ND	100	50
4-METHYL-2-PENTANONE	ND	100	50

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	109	70-140
4-BROMOFLUOROBENZENE	103	70-130
TOLUENE-D8	105	70-140

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/13/06 08:33
Sample ID:	OC2-00-W-2-9	Date Analyzed:	07/13/06 08:33
Lab Samp ID:	G027-09	Dilution Factor:	1
Lab File ID:	RGQ205	Matrix :	WATER
Ext Btch ID:	VO05G19	% 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	.31J	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	105	70-140
4-BROMOFLUOROBENZENE	104	70-130
TOLUENE-D8	106	70-140

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/13/06 06:05
Sample ID:	OC2-00-W-4-10	Date Analyzed:	07/13/06 06:05
Lab Samp ID:	G027-10	Dilution Factor:	1
Lab File ID:	RGQ201	Matrix :	WATER
Ext Btch ID:	VO05G19	% 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	103	70-140
4-BROMOFLUOROBENZENE	104	70-130
TOLUENE-D8	106	70-140

QC SUMMARIES

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

Client	: ARCADIS	Date Collected:	NA
Project	: OMEGA CHEMICAL	Date Received:	07/12/06
Batch No.	: 06G027	Date Extracted:	07/12/06 14:40
Sample ID:	MBLK1W	Date Analyzed:	07/12/06 14:40
Lab Samp ID:	V005G17Q	Dilution Factor:	1
Lab File ID:	RGQ176	Matrix :	WATER
Ext Btch ID:	V005G17	% 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	101	70-140
4-BROMOFLUOROBENZENE	103	70-130
TOLUENE-D8	105	70-130

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
METHOD: SW 5030B/8260B

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	VO05G17Q	VO05G17L	VO05G17C		
LAB FILE ID:	RGQ176	RGQ173	RGQ174		
DATE EXTRACTED:	07/12/0614:40	07/12/0612:49	07/12/0613:25	DATE COLLECTED:	NA
DATE ANALYZED:	07/12/0614:40	07/12/0612:49	07/12/0613:25	DATE RECEIVED:	07/12/06
PREP. BATCH:	VO05G17	VO05G17	VO05G17		
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	100	10	9.77	98	3	70-130	30
Benzene	ND	10	10.4	104	10	10.1	101	3	70-130	30
Chlorobenzene	ND	10	10.5	105	10	10.3	103	3	70-130	30
Toluene	ND	10	10.8	108	10	10.6	106	2	70-130	30
Trichloroethene	ND	10	10.5	105	10	10.1	101	3	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	10.4	104	10	10.3	103	70-140
4-Bromofluorobenzene	10	10.2	102	10	10.2	102	70-130
Toluene-d8	10	10.7	107	10	10.7	107	70-130

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

Client	: ARCADIS	Date Collected:	NA
Project	: OMEGA CHEMICAL	Date Received:	07/13/06
Batch No.	: 06G027	Date Extracted:	07/13/06 04:14
Sample ID:	MBLK2W	Date Analyzed:	07/13/06 04:14
Lab Samp ID:	V005G19Q	Dilution Factor:	1
Lab File ID:	RGQ198	Matrix :	WATER
Ext Btch ID:	V005G19	% 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	101	70-140
4-BROMOFLUOROBENZENE	106	70-130
TOLUENE-D8	107	70-130

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
METHOD: SW 5030B/8260B

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK2W				
LAB SAMP ID:	VO05G19Q	VO05G19L	VO05G19C		
LAB FILE ID:	RGQ198	RGQ195	RGQ196		
DATE EXTRACTED:	07/13/0604:14	07/13/0602:23	07/13/0603:00	DATE COLLECTED:	NA
DATE ANALYZED:	07/13/0604:14	07/13/0602:23	07/13/0603:00	DATE RECEIVED:	07/13/06
PREP. BATCH:	VO05G19	VO05G19	VO05G19		
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	10.4	104	10	10.2	102	2	70-130	30
Benzene	ND	10	10.8	108	10	10.3	103	5	70-130	30
Chlorobenzene	ND	10	10.9	109	10	10.4	104	4	70-130	30
Toluene	ND	10	11.3	113	10	10.7	108	5	70-130	30
Trichloroethene	ND	10	10.6	106	10	10.3	103	3	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	10.3	103	10	10.4	104	70-140
4-Bromofluorobenzene	10	10.4	104	10	10.4	104	70-130
Toluene-d8	10	10.9	109	10	10.6	106	70-130

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

Client	: ARCADIS	Date Collected:	NA
Project	: OMEGA CHEMICAL	Date Received:	07/14/06
Batch No.	: 06G027	Date Extracted:	07/14/06 05:39
Sample ID:	MBLK3W	Date Analyzed:	07/14/06 05:39
Lab Samp ID:	V005G22Q	Dilution Factor:	1
Lab File ID:	RGQ238	Matrix :	WATER
Ext Btch ID:	V005G22	% 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	107	70-140
4-BROMOFLUOROBENZENE	106	70-130
TOLUENE-D8	106	70-130

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
METHOD: SW 5030B/8260B

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK3W				
LAB SAMP ID:	VO05G22Q	VO05G22L	VO05G22C		
LAB FILE ID:	RGQ238	RGQ235	RGQ236		
DATE EXTRACTED:	07/14/0605:39	07/14/0603:47	07/14/0604:24	DATE COLLECTED:	NA
DATE ANALYZED:	07/14/0605:39	07/14/0603:47	07/14/0604:24	DATE RECEIVED:	07/14/06
PREP. BATCH:	VO05G22	VO05G22	VO05G22		
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	9.62	96	10	9.34	93	3	70-130	30
Benzene	ND	10	10.2	102	10	10	100	2	70-130	30
Chlorobenzene	ND	10	10.2	102	10	10.1	101	2	70-130	30
Toluene	ND	10	10.4	104	10	10.4	104	1	70-130	30
Trichloroethene	ND	10	10.2	102	10	10.3	103	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	10.4	104	10	10.4	104	70-140
4-Bromofluorobenzene	10	10.2	102	10	10.2	102	70-130
Toluene-d8	10	10.8	108	10	10.7	107	70-130

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

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

SDG#: 06G027

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G027**

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

Five (5) water samples were received on 07/07/06 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 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
1,2,3-Trichloropropane by 8260/SIM

Client : ARCADIS
Project : OMEGA CHEMICAL

SDG NO. : 06G027
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	V002G06Q	1	NA	07/17/0612:05	07/17/0612:05	RGP053	RAP020	V002G06	Method Blank
LCS1W	V002G06L	1	NA	07/17/0610:44	07/17/0610:44	RGP050	RAP020	V002G06	Lab Control Sample (LCS)
LCD1W	V002G06C	1	NA	07/17/0611:10	07/17/0611:10	RGP051	RAP020	V002G06	LCS Duplicate
OC2-PMW23B-0-13	G027-01	1	NA	07/17/0612:33	07/17/0612:33	RGP054	RAP020	V002G06	Field Sample
OC2-PMW23C-0-14	G027-03	1	NA	07/17/0613:00	07/17/0613:00	RGP055	RAP020	V002G06	Field Sample
OC2-PMW23C-1-15	G027-05	1	NA	07/17/0613:28	07/17/0613:28	RGP056	RAP020	V002G06	Field Sample
OC2-PMW23D-0-16	G027-07	1	NA	07/17/0613:55	07/17/0613:55	RGP057	RAP020	V002G06	Field Sample
OC2-PMW14-0-12	G027-08	1	NA	07/17/0614:23	07/17/0614:23	RGP058	RAP020	V002G06	Field Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/17/06 12:33
Sample ID:	OC2-PMW23B-0-13	Date Analyzed:	07/17/06 12:33
Lab Samp ID:	G027-01	Dilution Factor:	1
Lab File ID:	RGP054	Matrix :	WATER
Ext Btch ID:	VOO2G06	% 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	61	50-150

RL: Reporting Limit

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/17/06 13:00
Sample ID:	OC2-PMW23C-0-14	Date Analyzed:	07/17/06 13:00
Lab Samp ID:	G027-03	Dilution Factor:	1
Lab File ID:	RGP055	Matrix :	WATER
Ext Btch ID:	VO02G06	% 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	62	50-150

RL: Reporting Limit

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/17/06 13:28
Sample ID:	OC2-PMW23C-1-15	Date Analyzed:	07/17/06 13:28
Lab Samp ID:	G027-05	Dilution Factor:	1
Lab File ID:	RGP056	Matrix :	WATER
Ext Btch ID:	VO02G06	% 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:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/17/06 13:55
Sample ID:	OC2-PMW23D-0-16	Date Analyzed:	07/17/06 13:55
Lab Samp ID:	G027-07	Dilution Factor:	1
Lab File ID:	RGP057	Matrix :	WATER
Ext Btch ID:	VO02G06	% 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	61	50-150

RL: Reporting Limit

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/17/06 14:23
Sample ID:	OC2-PMW14-0-12	Date Analyzed:	07/17/06 14:23
Lab Samp ID:	G027-08	Dilution Factor:	1
Lab File ID:	RGP058	Matrix :	WATER
Ext Btch ID:	VO02G06	% 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	65	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:	07/17/06
Batch No.	: 06G027	Date Extracted:	07/17/06 12:05
Sample ID:	MBLK1W	Date Analyzed:	07/17/06 12:05
Lab Samp ID:	V002G06Q	Dilution Factor:	1
Lab File ID:	RGP053	Matrix :	WATER
Ext Btch ID:	V002G06	% 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	68	50-150

RL: Reporting Limit

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
METHOD: SW 5030B/8260B

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	V002G06Q	V002G06L	V002G06C		
LAB FILE ID:	RGP053	RGP050	RGP051		
DATE EXTRACTED:	07/17/0612:05	07/17/0610:44	07/17/0611:10	DATE COLLECTED:	NA
DATE ANALYZED:	07/17/0612:05	07/17/0610:44	07/17/0611:10	DATE RECEIVED:	07/17/06
PREP. BATCH:	V002G06	V002G06	V002G06		
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	.046	92	.05	.044	88	4	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	.0314	63	.05	.0296	59	50-150

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

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

SDG#: 06G027

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G027**

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

Five (5) water samples were received on 07/07/06 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. : 06G027
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	SVG012WB	1	NA	07/17/0613:41	07/12/0616:30	RGX073	REX298	SVG012W	Method Blank
LCS1W	SVG012WL	1	NA	07/17/0614:07	07/12/0616:30	RGX074	REX298	SVG012W	Lab Control Sample (LCS)
LCD1W	SVG012WC	1	NA	07/17/0614:33	07/12/0616:30	RGX075	REX298	SVG012W	LCS Duplicate
OC2-PMW23B-0-13	G027-01	.94	NA	07/17/0616:16	07/12/0616:30	RGX079	REX298	SVG012W	Field Sample
OC2-PMW23C-0-14	G027-03	.94	NA	07/17/0616:41	07/12/0616:30	RGX080	REX298	SVG012W	Field Sample
OC2-PMW23C-1-15	G027-05	.94	NA	07/17/0617:07	07/12/0616:30	RGX081	REX298	SVG012W	Field Sample
OC2-PMW23D-0-16	G027-07	.94	NA	07/17/0617:32	07/12/0616:30	RGX082	REX298	SVG012W	Field Sample
OC2-PMW14-0-12	G027-08	.94	NA	07/17/0617:58	07/12/0616:30	RGX083	REX298	SVG012W	Field Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/12/06 16:30
Sample ID:	OC2-PMW23B-0-13	Date Analyzed:	07/17/06 16:16
Lab Samp ID:	G027-01	Dilution Factor:	.94
Lab File ID:	RGX079	Matrix :	WATER
Ext Btch ID:	SVG012W	% 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	58	30-130
2-FLUOROPHENOL	44	20-130
NITROBENZENE-D5	47	30-130
PHENOL-D5	45	30-130
TERPHENYL-D14	63	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:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/12/06 16:30
Sample ID:	OC2-PMW23C-0-14	Date Analyzed:	07/17/06 16:41
Lab Samp ID:	G027-03	Dilution Factor:	.94
Lab File ID:	RGX080	Matrix :	WATER
Ext Btch ID:	SVG012W	% 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	68	30-130
2-FLUOROPHENOL	52	20-130
NITROBENZENE-D5	59	30-130
PHENOL-D5	54	30-130
TERPHENYL-D14	54	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:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/12/06 16:30
Sample ID:	OC2-PMW23C-1-15	Date Analyzed:	07/17/06 17:07
Lab Samp ID:	G027-05	Dilution Factor:	.94
Lab File ID:	RGX081	Matrix :	WATER
Ext Btch ID:	SVG012W	% 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	54	30-130
2-FLUOROPHENOL	43	20-130
NITROBENZENE-D5	47	30-130
PHENOL-D5	45	30-130
TERPHENYL-D14	55	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:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/12/06 16:30
Sample ID:	OC2-PMW23D-0-16	Date Analyzed:	07/17/06 17:32
Lab Samp ID:	G027-07	Dilution Factor:	.94
Lab File ID:	RGX082	Matrix :	WATER
Ext Btch ID:	SVG012W	% 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	64	30-150
2-FLUOROBIPHENYL	62	30-130
2-FLUOROPHENOL	50	20-130
NITROBENZENE-D5	52	30-130
PHENOL-D5	52	30-130
TERPHENYL-D14	87	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:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/12/06 16:30
Sample ID:	OC2-PMW14-0-12	Date Analyzed:	07/17/06 17:58
Lab Samp ID:	G027-08	Dilution Factor:	.94
Lab File ID:	RGX083	Matrix :	WATER
Ext Btch ID:	SVG012W	% 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	67	30-150
2-FLUOROBIPHENYL	63	30-130
2-FLUOROPHENOL	51	20-130
NITROBENZENE-D5	53	30-130
PHENOL-D5	52	30-130
TERPHENYL-D14	84	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: 07/12/06
Batch No. : 06G027	Date Extracted: 07/12/06 16:30
Sample ID: MBLK1W	Date Analyzed: 07/17/06 13:41
Lab Samp ID: SVG012WB	Dilution Factor: 1
Lab File ID: RGX073	Matrix : WATER
Ext Btch ID: SVG012W	% 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	50	40-140
2-FLUOROBIPHENYL	54	40-130
2-FLUOROPHENOL	47	30-130
NITROBENZENE-D5	46	40-130
PHENOL-D5	49	30-130
TERPHENYL-D14	87	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.: 06G027
METHOD: METHOD 3520C/8270C

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	SVG012WB	SVG012WL	SVG012WC		
LAB FILE ID:	RGX073	RGX074	RGX075		
DATE EXTRACTED:	07/12/0616:30	07/12/0616:30	07/12/0616:30	DATE COLLECTED:	NA
DATE ANALYZED:	07/17/0613:41	07/17/0614:07	07/17/0614:33	DATE RECEIVED:	07/12/06
PREP. BATCH:	SVG012W	SVG012W	SVG012W		
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	54.8	69	80	56.1	70	2	40-130	30
2-Chlorophenol	ND	80	39.9	50	80	40.6	51	2	30-130	30
4-Chloro-3-Methylphenol	ND	80	46.3	58	80	48.2	60	4	40-130	30
4-Nitrophenol	ND	80	50.6	63	80	52.8	66	4	30-130	30
Acenaphthene	ND	80	45.5	57	80	48.5	61	7	40-130	30
Phenol	ND	80	38.8	49	80	39.6	50	2	20-130	30
Pyrene	ND	80	57.1	71	80	58.9	74	3	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	93.5	62	150	105	70	40-140
2-Fluorobiphenyl	50	30.7	61	50	34.4	69	40-130
2-Fluorophenol	150	71.6	48	150	78	52	30-130
Nitrobenzene-d5	50	26.2	52	50	30.3	61	40-130
Phenol-d5	150	75	50	150	81.9	55	30-130
Terphenyl-d14	50	45.2	90	50	49.3	99	50-130

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

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

SDG#: 06G027

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G027**

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

Five (5) water samples were received on 07/07/06 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. RPDs of two analytes were 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. : 06G027
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	SVG012WB	1	NA	07/17/0614:34	07/12/0616:30	RGZ071	RFZ008	SVG012W	Method Blank
LCS1W	SVG012WL	8	NA	07/17/0614:54	07/12/0616:30	RGZ072	RFZ008	SVG012W	Lab Control Sample (LCS)
LCD1W	SVG012WC	8	NA	07/17/0615:13	07/12/0616:30	RGZ073	RFZ008	SVG012W	LCS Duplicate
OC2-PMW23B-0-13	G027-01	.94	NA	07/17/0616:29	07/12/0616:30	RGZ077	RFZ008	SVG012W	Field Sample
OC2-PMW23C-0-14	G027-03	.94	NA	07/17/0616:49	07/12/0616:30	RGZ078	RFZ008	SVG012W	Field Sample
OC2-PMW23C-1-15	G027-05	.94	NA	07/17/0617:08	07/12/0616:30	RGZ079	RFZ008	SVG012W	Field Sample
OC2-PMW23D-0-16	G027-07	.94	NA	07/17/0617:27	07/12/0616:30	RGZ080	RFZ008	SVG012W	Field Sample
OC2-PMW14-0-12	G027-08	.94	NA	07/17/0617:47	07/12/0616:30	RGZ081	RFZ008	SVG012W	Field Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client : ARCADIS	Date Collected: 07/07/06
Project : OMEGA CHEMICAL	Date Received: 07/07/06
Batch No. : 06G027	Date Extracted: 07/12/06 16:30
Sample ID: OC2-PMW23B-0-13	Date Analyzed: 07/17/06 16:29
Lab Samp ID: G027-01	Dilution Factor: .94
Lab File ID: RGZ077	Matrix : WATER
Ext Btch ID: SVG012W	% 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	2	1.9	.94
HEXACHLOROBENZENE	ND	.94	.47
PENTACHLOROPHENOL	ND	.94	.47

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TERPHENYL-D14	57	30-130
PHENOL-D5	51	30-130

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client : ARCADIS	Date Collected: 07/07/06
Project : OMEGA CHEMICAL	Date Received: 07/07/06
Batch No. : 06G027	Date Extracted: 07/12/06 16:30
Sample ID: OC2-PMW23C-0-14	Date Analyzed: 07/17/06 16:49
Lab Samp ID: G027-03	Dilution Factor: .94
Lab File ID: RGZ078	Matrix : WATER
Ext Btch ID: SVG012W	% 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	48	30-130
PHENOL-D5	65	30-130

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/12/06 16:30
Sample ID:	OC2-PMW23C-1-15	Date Analyzed:	07/17/06 17:08
Lab Samp ID:	G027-05	Dilution Factor:	.94
Lab File ID:	RGZ079	Matrix :	WATER
Ext Btch ID:	SVG012W	% 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	53	30-130
PHENOL-D5	51	30-130

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client : ARCADIS	Date Collected: 07/07/06
Project : OMEGA CHEMICAL	Date Received: 07/07/06
Batch No. : 06G027	Date Extracted: 07/12/06 16:30
Sample ID: OC2-PMW23D-0-16	Date Analyzed: 07/17/06 17:27
Lab Samp ID: G027-07	Dilution Factor: .94
Lab File ID: RGZ080	Matrix : WATER
Ext Btch ID: SVG012W	% 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: 07/07/06
Project : OMEGA CHEMICAL	Date Received: 07/07/06
Batch No. : 06G027	Date Extracted: 07/12/06 16:30
Sample ID: OC2-PMW14-0-12	Date Analyzed: 07/17/06 17:47
Lab Samp ID: G027-08	Dilution Factor: .94
Lab File ID: RGZ081	Matrix : WATER
Ext Btch ID: SVG012W	% 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	84	30-130
PHENOL-D5	58	30-130

QC SUMMARY

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client	: ARCADIS	Date Collected:	NA
Project	: OMEGA CHEMICAL	Date Received:	07/12/06
Batch No.	: 06G027	Date Extracted:	07/12/06 16:30
Sample ID:	MBLK1W	Date Analyzed:	07/17/06 14:34
Lab Samp ID:	SVG012WB	Dilution Factor:	1
Lab File ID:	RGZ071	Matrix :	WATER
Ext Btch ID:	SVG012W	% 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	1.1J	2	1
HEXACHLOROBENZENE	ND	1	.5
PENTACHLOROPHENOL	ND	1	.5

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TERPHENYL-D14	77	30-130
PHENOL-D5	54	30-130

EMAX QUALITY CONTROL DATA

LCS/LCD ANALYSIS

CLIENT: ARCADIS

PROJECT: OMEGA CHEMICAL

BATCH NO.: 06G027

METHOD: METHOD 3520C/8270C SIM

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	8	8		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	SVG012WB	SVG012WL	SVG012WC		
LAB FILE ID:	RGZ071	RGZ072	RGZ073		
DATE EXTRACTED:	07/12/0616:30	07/12/0616:30	07/12/0616:30	DATE COLLECTED:	NA
DATE ANALYZED:	07/17/0614:34	07/17/0614:54	07/17/0615:13	DATE RECEIVED:	07/12/06
PREP. BATCH:	SVG012W	SVG012W	SVG012W		
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	45.1	56	80	61.3	77	30	50-130	30
bis(2-Ethylhexyl)phthalate	1.12J	80	53.1	65	80	72.3	89	31*	30-150	30
Hexachlorobenzene	ND	80	34.7	43	80	47.1	59	30	20-130	30
Pentachlorophenol	ND	80	32.7	41	80	46.4	58	34*	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	34.7	69	50	48.4	97	30-130
Phenol-d5	150	73.1	49	150	110	74	30-130

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

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

SDG#: 06G027

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G027**

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

Five (5) water samples were received on 07/07/06 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.

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. : 06G027
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	SVG013WB	1	NA	07/13/0615:13	07/12/0617:00	RGK026	RFK067	SVG013W	Method Blank
LCS1W	SVG013WL	1	NA	07/13/0615:24	07/12/0617:00	RGK027	RFK067	SVG013W	Lab Control Sample (LCS)
LCD1W	SVG013WC	1	NA	07/13/0615:35	07/12/0617:00	RGK028	RFK067	SVG013W	LCS Duplicate
OC2-PMW23B-0-13	G027-01	.94	NA	07/13/0616:20	07/12/0617:00	RGK032	RFK067	SVG013W	Field Sample
OC2-PMW23C-0-14	G027-03	.94	NA	07/13/0616:31	07/12/0617:00	RGK033	RFK067	SVG013W	Field Sample
OC2-PMW23C-1-15	G027-05	.94	NA	07/13/0616:42	07/12/0617:00	RGK034	RFK067	SVG013W	Field Sample
OC2-PMW23D-0-16	G027-07	.94	NA	07/13/0616:53	07/12/0617:00	RGK035	RFK067	SVG013W	Field Sample
OC2-PMW14-0-12	G027-08	.94	NA	07/13/0617:04	07/12/0617:00	RGK036	RFK067	SVG013W	Field Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/12/06 17:00
Sample ID:	OC2-PMW23B-0-13	Date Analyzed:	07/13/06 16:20
Lab Samp ID:	G027-01	Dilution Factor:	.94
Lab File ID:	RGK032	Matrix :	WATER
Ext Btch ID:	SVG013W	% 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	75	18-132

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/12/06 17:00
Sample ID:	OC2-PMW23C-0-14	Date Analyzed:	07/13/06 16:31
Lab Samp ID:	G027-03	Dilution Factor:	.94
Lab File ID:	RGK033	Matrix :	WATER
Ext Btch ID:	SVG013W	% Moisture :	NA
Calib. Ref.:	RFK067	Instrument ID :	T-052

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,4-DIOXANE	31	1.9	.94

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
BROMOBENZENE	80	18-132

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/12/06 17:00
Sample ID:	OC2-PMW23C-1-15	Date Analyzed:	07/13/06 16:42
Lab Samp ID:	G027-05	Dilution Factor:	.94
Lab File ID:	RGK034	Matrix :	WATER
Ext Btch ID:	SVG013W	% Moisture :	NA
Calib. Ref.:	RFK067	Instrument ID :	T-052

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,4-DIOXANE	36	1.9	.94

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
BROMOBENZENE	92	18-132

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/12/06 17:00
Sample ID:	OC2-PMW23D-0-16	Date Analyzed:	07/13/06 16:53
Lab Samp ID:	G027-07	Dilution Factor:	.94
Lab File ID:	RGK035	Matrix :	WATER
Ext Btch ID:	SVG013W	% 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	88	18-132

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

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
Batch No.	: 06G027	Date Extracted:	07/12/06 17:00
Sample ID:	OC2-PMW14-0-12	Date Analyzed:	07/13/06 17:04
Lab Samp ID:	G027-08	Dilution Factor:	.94
Lab File ID:	RGK036	Matrix :	WATER
Ext Btch ID:	SVG013W	% Moisture :	NA
Calib. Ref.:	RFK067	Instrument ID :	T-052

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
1,4-DIOXANE	6.6	1.9	.94

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
BROMOBENZENE	64	18-132

QC SUMMARY

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

Client	: ARCADIS	Date Collected:	NA
Project	: OMEGA CHEMICAL	Date Received:	07/12/06
Batch No.	: 06G027	Date Extracted:	07/12/06 17:00
Sample ID:	MBLK1W	Date Analyzed:	07/13/06 15:13
Lab Samp ID:	SVG013WB	Dilution Factor:	1
Lab File ID:	RGK026	Matrix :	WATER
Ext Btch ID:	SVG013W	% 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	56	18-132

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
METHOD: METHOD 3520C/8270C SIM

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	SVG013WB	SVG013WL	SVG013WC		
LAB FILE ID:	RGK026	RGK027	RGK028		
DATE EXTRACTED:	07/12/0617:00	07/12/0617:00	07/12/0617:00	DATE COLLECTED:	NA
DATE ANALYZED:	07/13/0615:13	07/13/0615:24	07/13/0615:35	DATE RECEIVED:	07/12/06
PREP. BATCH:	SVG013W	SVG013W	SVG013W		
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	25.8	64	40	30.2	75	16	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	23.5	59	40	27.1	68	18-132

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

DISSOLVED
METALS / MERCURY

SDG#: 06G027

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G027**

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Five (5) water samples were received on 07/07/06 for Dissolved Metals analysis by Method 6020A 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 G027-07 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. : 06G027
Instrument ID : T-198

WATER

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	Analysis DateTime	Extraction DateTime	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
MBLK1W	IMG005WB	1	NA	07/20/0621:48	07/11/0614:00	98G20015	98G20013	IMG005W	Method Blank
LCS1W	IMG005WL	1	NA	07/20/0621:57	07/11/0614:00	98G20016	98G20013	IMG005W	Lab Control Sample (LCS)
LCD1W	IMG005WC	1	NA	07/20/0622:05	07/11/0614:00	98G20017	98G20013	IMG005W	LCS Duplicate
OC2-PMW23D-0-16AS	G027-07A	1	NA	07/20/0622:13	07/11/0614:00	98G20018	98G20013	IMG005W	Analytical Spike Sample
OC2-PMW23D-0-16	G027-07	1	NA	07/20/0622:21	07/11/0614:00	98G20019	98G20013	IMG005W	Field Sample
OC2-PMW23D-0-16DL	G027-07J	5	NA	07/20/0622:30	07/11/0614:00	98G20020	98G20013	IMG005W	Diluted Sample
OC2-PMW23B-0-13	G027-01	1	NA	07/20/0623:27	07/11/0614:00	98G20027	98G20025	IMG005W	Field Sample
OC2-PMW23C-0-14	G027-03	1	NA	07/20/0623:35	07/11/0614:00	98G20028	98G20025	IMG005W	Field Sample
OC2-PMW23C-1-15	G027-05	1	NA	07/20/0623:44	07/11/0614:00	98G20029	98G20025	IMG005W	Field Sample
OC2-PMW14-0-12	G027-08	1	NA	07/20/0623:52	07/11/0614:00	98G20030	98G20025	IMG005W	Field Sample

FN - Filename
% Moist - Percent Moisture

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
SDG NO.	: 06G027	Date Extracted:	07/11/06 14:00
Sample ID:	OC2-PMW23B-0-13	Date Analyzed:	07/20/06 23:27
Lab Samp ID:	G027-01	Dilution Factor:	1
Lab File ID:	98G20027	Matrix :	WATER
Ext Btch ID:	IMG005W	% Moisture :	NA
Calib. Ref.:	98G20025	Instrument ID :	EMAXTI98

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Aluminum	ND	1000	200
Antimony	ND	.5	.25
Arsenic	2.13	.5	.25
Barium	31.1	.5	.25
Beryllium	ND	.5	.25
Boron	316	10	5
Cadmium	ND	1	.5
Calcium	170000	1000	200
Chromium	13.2	.5	.25
Cobalt	.335J	.5	.25
Copper	1.2	.5	.25
Iron	ND	1000	200
Lead	ND	1	.5
Magnesium	45800	1000	200
Manganese	80.1	1	.5
Molybdenum	7.21	2	1
Nickel	1.01	.5	.25
Potassium	4930	1000	200
Selenium	6.39	1	.5
Silver	ND	1	.5
Sodium	126000	1000	200
Thallium	ND	1	.5
Vanadium	3.12	1	.5
Zinc	5.61J	10	5

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
SDG NO.	: 06G027	Date Extracted:	07/11/06 14:00
Sample ID:	OC2-PMW23C-0-14	Date Analyzed:	07/20/06 23:35
Lab Samp ID:	G027-03	Dilution Factor:	1
Lab File ID:	98G20028	Matrix :	WATER
Ext Btch ID:	IMG005W	% Moisture :	NA
Calib. Ref.:	98G20025	Instrument ID :	EMAXTI98

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Aluminum	ND	1000	200
Antimony	.303J	.5	.25
Arsenic	2.97	.5	.25
Barium	33.4	.5	.25
Beryllium	ND	.5	.25
Boron	344	10	5
Cadmium	ND	1	.5
Calcium	125000	1000	200
Chromium	2.07	.5	.25
Cobalt	.306J	.5	.25
Copper	3.58	.5	.25
Iron	ND	1000	200
Lead	ND	1	.5
Magnesium	37700	1000	200
Manganese	67.3	1	.5
Molybdenum	9.38	2	1
Nickel	3.29	.5	.25
Potassium	5600	1000	200
Selenium	5.36	1	.5
Silver	ND	1	.5
Sodium	165000	1000	200
Thallium	ND	1	.5
Vanadium	3.57	1	.5
Zinc	11.3	10	5

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
SDG NO.	: 06G027	Date Extracted:	07/11/06 14:00
Sample ID:	OC2-PMW23C-1-15	Date Analyzed:	07/20/06 23:44
Lab Samp ID:	G027-05	Dilution Factor:	1
Lab File ID:	98G20029	Matrix :	WATER
Ext Btch ID:	IMG005W	% Moisture :	NA
Calib. Ref.:	98G20025	Instrument ID :	EMAXTI98

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Aluminum	ND	1000	200
Antimony	.274J	.5	.25
Arsenic	2.79	.5	.25
Barium	29.9	.5	.25
Beryllium	ND	.5	.25
Boron	325	10	5
Cadmium	ND	1	.5
Calcium	122000	1000	200
Chromium	1.77	.5	.25
Cobalt	.269J	.5	.25
Copper	.767	.5	.25
Iron	ND	1000	200
Lead	ND	1	.5
Magnesium	36500	1000	200
Manganese	61.3	1	.5
Molybdenum	9	2	1
Nickel	1.22	.5	.25
Potassium	5340	1000	200
Selenium	5.14	1	.5
Silver	ND	1	.5
Sodium	159000	1000	200
Thallium	ND	1	.5
Vanadium	3.14	1	.5
Zinc	5.85J	10	5

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
SDG NO.	: 06G027	Date Extracted:	07/11/06 14:00
Sample ID:	OC2-PMW23D-0-16	Date Analyzed:	07/20/06 22:21
Lab Samp ID:	G027-07	Dilution Factor:	1
Lab File ID:	98G20019	Matrix :	WATER
Ext Btch ID:	IMG005W	% Moisture :	NA
Calib. Ref.:	98G20013	Instrument ID :	EMAXTI98

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Aluminum	ND	1000	200
Antimony	ND	.5	.25
Arsenic	1.1	.5	.25
Barium	37.1	.5	.25
Beryllium	ND	.5	.25
Boron	200	10	5
Cadmium	ND	1	.5
Calcium	217000	1000	200
Chromium	5.07	.5	.25
Cobalt	.449J	.5	.25
Copper	.523	.5	.25
Iron	ND	1000	200
Lead	ND	1	.5
Magnesium	65800	1000	200
Manganese	.753J	1	.5
Molybdenum	3.09	2	1
Nickel	.49J	.5	.25
Potassium	4800	1000	200
Selenium	74.5	1	.5
Silver	ND	1	.5
Sodium	98800	1000	200
Thallium	ND	1	.5
Vanadium	3.69	1	.5
Zinc	5.89J	10	5

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	07/07/06
Project	: OMEGA CHEMICAL	Date Received:	07/07/06
SDG NO.	: 06G027	Date Extracted:	07/11/06 14:00
Sample ID:	OC2-PMW14-0-12	Date Analyzed:	07/20/06 23:52
Lab Samp ID:	G027-08	Dilution Factor:	1
Lab File ID:	98G20030	Matrix :	WATER
Ext Btch ID:	IMG005W	% Moisture :	NA
Calib. Ref.:	98G20025	Instrument ID :	EMAXTI98

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Aluminum	ND	1000	200
Antimony	ND	.5	.25
Arsenic	1.28	.5	.25
Barium	47.2	.5	.25
Beryllium	ND	.5	.25
Boron	395	10	5
Cadmium	ND	1	.5
Calcium	169000	1000	200
Chromium	3.22	.5	.25
Cobalt	.528	.5	.25
Copper	.974	.5	.25
Iron	ND	1000	200
Lead	ND	1	.5
Magnesium	52400	1000	200
Manganese	97.6	1	.5
Molybdenum	12	2	1
Nickel	1.05	.5	.25
Potassium	3050	1000	200
Selenium	5.02	1	.5
Silver	ND	1	.5
Sodium	106000	1000	200
Thallium	ND	1	.5
Vanadium	5.29	1	.5
Zinc	5.22J	10	5

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	NA
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
SDG NO.	: 06G027	Date Extracted:	07/11/06 14:00
Sample ID:	MBLK1W	Date Analyzed:	07/20/06 21:48
Lab Samp ID:	IMG005WB	Dilution Factor:	1
Lab File ID:	98G20015	Matrix :	WATER
Ext Btch ID:	IMG005W	% Moisture :	NA
Calib. Ref.:	98G20013	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	7.71J	10	5

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
SDG NO.: 06G027
METHOD: METHOD 6020A

MATRIX:	WATER			% MOISTURE:	NA
DILTN FACTR:	1	1	1		
SAMPLE ID:	MBLK1W				
CONTROL NO.:	IMG005WB	IMG005WL	IMG005WC		
LAB FILE ID:	98G20015	98G20016	98G20017		
DATIME EXTRCTD:	07/11/0614:00	07/11/0614:00	07/11/0614:00	DATE COLLECTED:	NA
DATIME ANALYZD:	07/20/0621:48	07/20/0621:57	07/20/0622:05	DATE RECEIVED:	07/11/06
PREP. BATCH:	IMG005W	IMG005W	IMG005W		
CALIB. REF:	98G20013	98G20013	98G20013		

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	5060	101	5000	5040	101	0	80-120	20
Antimony	ND	50	52.2	104	50	51.1	102	2	80-120	20
Arsenic	ND	50	50.9	102	50	50.4	101	1	80-120	20
Barium	ND	50	50.3	101	50	49.9	100	1	80-120	20
Beryllium	ND	50	51.3	103	50	50	100	3	80-120	20
Boron	ND	50	48.5	97	50	47.7	95	2	80-120	20
Cadmium	ND	50	50.2	100	50	48.9	98	3	80-120	20
Calcium	ND	5000	5300	106	5000	5230	105	1	80-120	20
Chromium	ND	50	52.5	105	50	51.4	103	2	80-120	20
Cobalt	ND	50	51.9	104	50	51.6	103	1	80-120	20
Copper	ND	50	52.6	105	50	50.9	102	3	80-120	20
Iron	ND	5000	5260	105	5000	5190	104	1	80-120	20
Lead	ND	50	53.1	106	50	52.3	105	2	80-120	20
Magnesium	ND	5000	5070	101	5000	5040	101	1	80-120	20
Manganese	ND	50	51.4	103	50	51	102	1	80-120	20
Molybdenum	ND	50	51.9	104	50	50.7	101	2	80-120	20
Nickel	ND	50	53	106	50	51.1	102	4	80-120	20
Potassium	ND	5000	5210	104	5000	5110	102	2	80-120	20
Selenium	ND	50	52.7	105	50	51.7	103	2	80-120	20
Silver	ND	50	48.4	97	50	46.1	92	5	80-120	20
Sodium	ND	5000	5320	106	5000	5220	104	2	80-120	20
Thallium	ND	50	51.6	103	50	51.4	103	0	80-120	20
Vanadium	ND	50	52.5	105	50	51	102	3	80-120	20
Zinc	7.71J	50	53.9	92	50	53	91	2	80-120	20

EMAX QUALITY CONTROL DATA
SERIAL DILUTION ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
METHOD: METHOD 6020A

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MATRIX: WATER % MOISTURE: NA
DILUTION FACTOR: 1 5
SAMPLE ID: OC2-PMW23D-0-16 OC2-PMW23D-0-1
EMAX SAMP ID: G027-07 G027-07J
LAB FILE ID: 98G20019 98G20020
DATE EXTRACTED: 07/11/0614:00 07/11/0614:00 DATE COLLECTED: 07/07/06
DATE ANALYZED: 07/20/0622:21 07/20/0622:30 DATE RECEIVED: 07/07/06
PREP. BATCH: IMG005W IMG005W
CALIB. REF: 98G20013 98G20013

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	1.1	ND	NA	10
Barium	37.1	37.8	2	10
Beryllium	ND	ND	0	10
Boron	200	199	1	10
Cadmium	ND	ND	0	10
Calcium	217000	222000	3	10
Chromium	5.07	5.21	3	10
Cobalt	.449J	ND	NA	10
Copper	.523	ND	NA	10
Iron	ND	ND	0	10
Lead	ND	ND	0	10
Magnesium	65800	70300	7	10
Manganese	.753J	ND	NA	10
Molybdenum	3.09	ND	NA	10
Nickel	.49J	1.27J	NA	10
Potassium	4800	4980J	NA	10
Selenium	74.5	73.8	1	10
Silver	ND	ND	0	10
Sodium	98800	102000	4	10
Thallium	ND	ND	0	10
Vanadium	3.69	4.19J	NA	10
Zinc	5.89J	ND	NA	10

EMAX QUALITY CONTROL DATA
ANALYTICAL SPIKE ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
SDG NO.: 06G027
METHOD: METHOD 6020A

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MATRIX: WATER % MOISTURE: NA
DILTN FACTR: 1 1
SAMPLE ID: OC2-PMW23D-0-16
CONTROL NO.: G027-07 G027-07A
LAB FILE ID: 98G20019 98G20018
DATIME EXTRCTD: 07/11/0614:00 07/11/0614:00 DATE COLLECTED: 07/07/06
DATIME ANALYZD: 07/20/0622:21 07/20/0622:13 DATE RECEIVED: 07/07/06
PREP. BATCH: IMG005W IMG005W
CALIB. REF: 98G20013 98G20013

ACCESSION:

PARAMETER	SMPL RSLT (ug/L)	SPIKE AMT (ug/L)	AS RSLT (ug/L)	AS % REC	QC LIMIT (%)
Aluminum	ND	5000	4900	98	75-125
Antimony	ND	50	51.9	104	75-125
Arsenic	1.1	50	52.6	103	75-125
Barium	37.1	50	87	100	75-125
Beryllium	ND	50	51.6	103	75-125
Boron	200	50	254	107	75-125
Cadmium	ND	50	49.6	99	75-125
Calcium	217000	5000	220000	58*	75-125
Chromium	5.07	50	56.5	103	75-125
Cobalt	.449J	50	48.1	95	75-125
Copper	.523	50	50	99	75-125
Iron	ND	5000	5010	100	75-125
Lead	ND	50	53.1	106	75-125
Magnesium	65800	5000	68400	53*	75-125
Manganese	.753J	50	49	96	75-125
Molybdenum	3.09	50	55.9	106	75-125
Nickel	.49J	50	50.5	100	75-125
Potassium	4800	5000	9870	101	75-125
Selenium	74.5	50	125	100	75-125
Silver	ND	50	49	98	75-125
Sodium	98800	5000	103000	82	75-125
Thallium	ND	50	52	104	75-125
Vanadium	3.69	50	55.5	104	75-125
Zinc	5.89J	50	51.9	92	75-125

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G027**

METHOD 7470A
DISSOLVED MERCURY BY COLD VAPOR

Five (5) water samples were received on 07/07/06 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. : 06G027
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-PMW23B-0-13	G027-01	1	NA	07/14/0611:32	07/13/0614:00	M47G015025	M47G015020	HGG017W	Field Sample
OC2-PMW23C-0-14	G027-03	1	NA	07/14/0611:34	07/13/0614:00	M47G015026	M47G015020	HGG017W	Field Sample
OC2-PMW23C-1-15	G027-05	1	NA	07/14/0611:36	07/13/0614:00	M47G015027	M47G015020	HGG017W	Field Sample
OC2-PMW23D-0-16	G027-07	1	NA	07/14/0611:38	07/13/0614:00	M47G015028	M47G015020	HGG017W	Field Sample
OC2-PMW14-0-12	G027-08	1	NA	07/14/0611:41	07/13/0614:00	M47G015029	M47G015020	HGG017W	Field Sample

FN - Filename
% Moist - Percent Moisture

METHOD 7470A
DISSOLVED MERCURY BY COLD VAPOR

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G027

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-PMW23B-0-13	G027-01	ND	1	NA	.5	.1	07/14/0611:32	07/13/0614:00	M47G015025	M47G015020	HGG017W	07/07/06	07/07/06
OC2-PMW23C-0-14	G027-03	ND	1	NA	.5	.1	07/14/0611:34	07/13/0614:00	M47G015026	M47G015020	HGG017W	07/07/06	07/07/06
OC2-PMW23C-1-15	G027-05	ND	1	NA	.5	.1	07/14/0611:36	07/13/0614:00	M47G015027	M47G015020	HGG017W	07/07/06	07/07/06
OC2-PMW23D-0-16	G027-07	ND	1	NA	.5	.1	07/14/0611:38	07/13/0614:00	M47G015028	M47G015020	HGG017W	07/07/06	07/07/06
OC2-PMW14-0-12	G027-08	ND	1	NA	.5	.1	07/14/0611:41	07/13/0614:00	M47G015029	M47G015020	HGG017W	07/07/06	07/07/06

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
SDG NO.: 06G027
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.: 06G027
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.: 06G027
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

7017

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

WET CHEMICAL ANALYSES

SDG#: 06G027

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G027**

METHOD 160.1
TOTAL DISSOLVED SOLIDS

Five (5) water samples were received on 07/07/06 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

Duplicate sample was not designated in this SDG.

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. : 06G027

Matrix : WATER
Instrument ID : I40706360

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	TDG004WB	ND	1	NA	20	5	07/12/0616:23	07/11/0615:49	TDG004-01	NA	TDG004W	NA	07/11/06
LCS1W	TDG004WL	265	1	NA	20	5	07/12/0616:23	07/11/0615:49	TDG004-02	NA	TDG004W	NA	07/11/06
LCD1W	TDG004WC	260	1	NA	20	5	07/12/0616:23	07/11/0615:49	TDG004-03	NA	TDG004W	NA	07/11/06
OC2-PMW23B-0-13	G027-01	1190	1	NA	20	5	07/12/0616:23	07/11/0615:49	TDG004-08	NA	TDG004W	07/07/06	07/07/06
OC2-PMW23C-0-14	G027-03	1060	1	NA	20	5	07/12/0616:23	07/11/0615:49	TDG004-09	NA	TDG004W	07/07/06	07/07/06
OC2-PMW23C-1-15	G027-05	1030	1	NA	20	5	07/12/0616:23	07/11/0615:49	TDG004-10	NA	TDG004W	07/07/06	07/07/06
OC2-PMW23D-0-16	G027-07	1130	1	NA	20	5	07/12/0616:23	07/11/0615:49	TDG004-11	NA	TDG004W	07/07/06	07/07/06
OC2-PMW14-0-12	G027-08	1400	1	NA	20	5	07/12/0616:23	07/11/0615:49	TDG004-12	NA	TDG004W	07/07/06	07/07/06

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

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

BATCH NO.: 06G027
SAMPLE ID: LCS1W/LCD1W
CONTROL NO.: TDG004WL/C

DATE RECEIVED: 07/11/06
DATE EXTRACTED: 07/11/06 15:49
DATE ANALYZED: 07/12/06 16:23/16:23

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	236	265	112	236	260	110	2	80-120	20

0003

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G027**

METHOD 218.6
HEXAVALENT CHROMIUM

Five (5) water samples were received on 07/07/06 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 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**

   All Recoveries were within QC limits.

4. **Duplicate**

   Sample G027-08 was analyzed for Duplicate. % RPD was within QC limit.

5. **Matrix Spike**

   Sample G027-08 was spiked. % Recovery was within QC limit.

6. **Sample Analysis**

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

SAMPLE RESULTS

METHOD 218.6
HEXAVALENT CHROMIUM

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G027

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	HCG003WB	ND	1	NA	.2	.1	07/07/0618:50	NA	IG07002	IG07001	HCG003W	NA	NA
LCS1W	HCG003WL	1.08	1	NA	.2	.1	07/07/0619:01	NA	IG07003	IG07001	HCG003W	NA	NA
LCD1W	HCG003WC	.939	1	NA	.2	.1	07/07/0619:11	NA	IG07004	IG07001	HCG003W	NA	NA
OC2-PMW23B-0-13	G027-01	15	1	NA	.2	.1	07/07/0619:21	NA	IG07005	IG07001	HCG003W	07/07/06	07/07/06
OC2-PMW23C-0-14	G027-03	1.93	1	NA	.2	.1	07/07/0619:32	NA	IG07006	IG07001	HCG003W	07/07/06	07/07/06
OC2-PMW23C-1-15	G027-05	1.91	1	NA	.2	.1	07/07/0619:42	NA	IG07007	IG07001	HCG003W	07/07/06	07/07/06
OC2-PMW23D-0-16	G027-07	4.95	1	NA	.2	.1	07/07/0619:53	NA	IG07008	IG07001	HCG003W	07/07/06	07/07/06
OC2-PMW14-0-12	G027-08	3.27	1	NA	.2	.1	07/07/0620:03	NA	IG07009	IG07001	HCG003W	07/07/06	07/07/06
OC2-PMW14-0-12DUP	G027-08D	3.21	1	NA	.2	.1	07/07/0620:13	NA	IG07010	IG07001	HCG003W	07/07/06	07/07/06
OC2-PMW14-0-12MS	G027-08M	4.35	1	NA	.2	.1	07/07/0620:24	NA	IG07011	IG07001	HCG003W	07/07/06	07/07/06

QC SUMMARY

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
METHOD: METHOD 218.6

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	HCG003WB	HCG003WL	HCG003WC		
LAB FILE ID:	IG07002	IG07003	IG07004		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/07/0618:50	07/07/0619:01	07/07/0619:11	DATE RECEIVED:	NA
PREP. BATCH:	HCG003W	HCG003W	HCG003W		
CALIB. REF:	IG07001	IG07001	IG07001		

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	1.08	108	1	.939	94	14	90-110	20

EMAX QUALITY CONTROL DATA
MS ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
METHOD: METHOD 218.6

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MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	1	1		
SAMPLE ID:	OC2-PMW14-0-12			
LAB SAMP ID:	G027-08	G027-08M		
LAB FILE ID:	IG07009	IG07011		
DATE EXTRACTED:	NA	NA	DATE COLLECTED:	07/07/06
DATE ANALYZED:	07/07/0620:03	07/07/0620:24	DATE RECEIVED:	07/07/06
PREP. BATCH:	HCG003W	HCG003W		
CALIB. REF:	IG07001	IG07001		

ACCESSION:

PARAMETER	SMPL RSLT (ug/L)	SPIKE AMT (ug/L)	MS RSLT (ug/L)	MS % REC	QC LIMIT (%)
Hexavalent Chromium	3.27	1	4.35	109	80-120

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EMAX QUALITY CONTROL DATA
DUPLICATE SAMPLE ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
METHOD: METHOD 218.6

MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	1	1		
SAMPLE ID:	OC2-PMW14-0-12			
EMAX SAMP ID:	G027-08	G027-08D		
LAB FILE ID:	IG07009	IG07010		
DATE EXTRACTED:	NA	NA	DATE COLLECTED:	07/07/06
DATE ANALYZED:	07/07/0620:03	07/07/0620:13	DATE RECEIVED:	07/07/06
PREP. BATCH:	HCG003W	HCG003W		
CALIB. REF:	IG07001	IG07001		

ACCESSION:

PARAMETER	SMPL RSLT (ug/L)	DUPL RSLT (ug/L)	RPD RSLT %	QC LIMIT (%)
Hexavalent Chromium	3.27	3.21	2	20

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G027**

METHOD 300.0
ANIONS

Five (5) water samples were received on 07/07/06 for Bromide, Chloride, Fluoride, Nitrate-N, Nitrite-N, Orthophosphate-P 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

No duplicate sample was designated in this SDG.

5. Matrix Spike

No MS sample was designated in this SDG.

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. : 06G027

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	ICG004WB	ND	1	NA	1	.1	07/07/0620:17	NA	AG07-03	AG07-01	ICG004W	NA	NA
LCS1W	ICG004WL	5.15	1	NA	1	.1	07/07/0620:34	NA	AG07-04	AG07-01	ICG004W	NA	NA
LCD1W	ICG004WC	5.15	1	NA	1	.1	07/07/0620:51	NA	AG07-05	AG07-01	ICG004W	NA	NA
OC2-PMW23B-0-13	G027-01	1.01	1	NA	1	.1	07/07/0621:40	NA	AG07-08	AG07-01	ICG004W	07/07/06	07/07/06
OC2-PMW23C-0-14	G027-03	.406J	1	NA	1	.1	07/07/0621:57	NA	AG07-09	AG07-01	ICG004W	07/07/06	07/07/06
OC2-PMW23C-1-15	G027-05	.421J	1	NA	1	.1	07/07/0622:13	NA	AG07-10	AG07-01	ICG004W	07/07/06	07/07/06
OC2-PMW23D-0-16	G027-07	.684J	1	NA	1	.1	07/07/0622:30	NA	AG07-11	AG07-01	ICG004W	07/07/06	07/07/06
OC2-PMW14-0-12	G027-08	.688J	1	NA	1	.1	07/07/0622:47	NA	AG07-12	AG07-01	ICG004W	07/07/06	07/07/06

METHOD 300.0
CHLORIDE

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G027

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
LCS1W	ICG014WL	4.71	1	NA	1	.1	07/14/0614:33	NA	AG14-08	AG14-01	ICG014W	NA	NA
MBLK1W	ICG014WB	ND	1	NA	1	.1	07/14/0614:49	NA	AG14-09	AG14-01	ICG014W	NA	NA
LCD1W	ICG014WC	4.73	1	NA	1	.1	07/14/0615:06	NA	AG14-10	AG14-01	ICG014W	NA	NA
OC2-PMW23B-0-13DL	G027-01I	97.8	50	NA	50	5	07/14/0620:45	NA	AG14-30	AG14-27	ICG014W	07/07/06	07/07/06
OC2-PMW23C-0-14DL	G027-03I	89.5	20	NA	20	2	07/14/0621:01	NA	AG14-31	AG14-27	ICG014W	07/07/06	07/07/06
OC2-PMW23C-1-15DL	G027-05I	90.2	20	NA	20	2	07/14/0621:18	NA	AG14-32	AG14-27	ICG014W	07/07/06	07/07/06
OC2-PMW23D-0-16DL	G027-07I	83.7	50	NA	50	5	07/14/0621:34	NA	AG14-33	AG14-27	ICG014W	07/07/06	07/07/06
OC2-PMW14-0-12DL	G027-08I	64.8	25	NA	25	2.5	07/14/0621:51	NA	AG14-34	AG14-27	ICG014W	07/07/06	07/07/06

METHOD 300.0
FLUORIDE

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G027

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	ICG004WB	ND	1	NA	.1	.05	07/07/0620:17	NA	AG07-03	AG07-01	ICG004W	NA	NA
LCS1W	ICG004WL	1.91	1	NA	.1	.05	07/07/0620:34	NA	AG07-04	AG07-01	ICG004W	NA	NA
LCD1W	ICG004WC	1.87	1	NA	.1	.05	07/07/0620:51	NA	AG07-05	AG07-01	ICG004W	NA	NA
OC2-PMW23B-0-13	G027-01	.395	1	NA	.1	.05	07/07/0621:40	NA	AG07-08	AG07-01	ICG004W	07/07/06	07/07/06
OC2-PMW23C-0-14	G027-03	.435	1	NA	.1	.05	07/07/0621:57	NA	AG07-09	AG07-01	ICG004W	07/07/06	07/07/06
OC2-PMW23C-1-15	G027-05	.448	1	NA	.1	.05	07/07/0622:13	NA	AG07-10	AG07-01	ICG004W	07/07/06	07/07/06
OC2-PMW23D-0-16	G027-07	.388	1	NA	.1	.05	07/07/0622:30	NA	AG07-11	AG07-01	ICG004W	07/07/06	07/07/06
OC2-PMW14-0-12	G027-08	.313	1	NA	.1	.05	07/07/0622:47	NA	AG07-12	AG07-01	ICG004W	07/07/06	07/07/06

METHOD 300.0
NITRATE-N

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G027

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	ICG004WB	ND	1	NA	.1	.05	07/07/0620:17	NA	AG07-03	AG07-01	ICG004W	NA	NA
LCS1W	ICG004WL	1.98	1	NA	.1	.05	07/07/0620:34	NA	AG07-04	AG07-01	ICG004W	NA	NA
LCD1W	ICG004WC	1.98	1	NA	.1	.05	07/07/0620:51	NA	AG07-05	AG07-01	ICG004W	NA	NA
OC2-PMW23B-0-13	G027-01	9.04	5	NA	.5	.25	07/07/0623:36	NA	AG07-15	AG07-13	ICG004W	07/07/06	07/07/06
OC2-PMW23C-0-14	G027-03	11	5	NA	.5	.25	07/07/0623:53	NA	AG07-16	AG07-13	ICG004W	07/07/06	07/07/06
OC2-PMW23C-1-15	G027-05	11	5	NA	.5	.25	07/08/0600:09	NA	AG07-17	AG07-13	ICG004W	07/07/06	07/07/06
OC2-PMW23D-0-16	G027-07	9.53	5	NA	.5	.25	07/08/0600:26	NA	AG07-18	AG07-13	ICG004W	07/07/06	07/07/06
OC2-PMW14-0-12	G027-08	10.2	5	NA	.5	.25	07/08/0600:43	NA	AG07-19	AG07-13	ICG004W	07/07/06	07/07/06

METHOD 300.0
NITRITE-N

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G027

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	ICG004WB	ND	1	NA	.1	.05	07/07/0620:17	NA	AG07-03	AG07-01	ICG004W	NA	NA
LCS1W	ICG004WL	2.02	1	NA	.1	.05	07/07/0620:34	NA	AG07-04	AG07-01	ICG004W	NA	NA
LCD1W	ICG004WC	2.03	1	NA	.1	.05	07/07/0620:51	NA	AG07-05	AG07-01	ICG004W	NA	NA
OC2-PMW23B-0-13	G027-01	ND	1	NA	.1	.05	07/07/0621:40	NA	AG07-08	AG07-01	ICG004W	07/07/06	07/07/06
OC2-PMW23C-0-14	G027-03	.161	1	NA	.1	.05	07/07/0621:57	NA	AG07-09	AG07-01	ICG004W	07/07/06	07/07/06
OC2-PMW23C-1-15	G027-05	.16	1	NA	.1	.05	07/07/0622:13	NA	AG07-10	AG07-01	ICG004W	07/07/06	07/07/06
OC2-PMW23D-0-16	G027-07	ND	1	NA	.1	.05	07/07/0622:30	NA	AG07-11	AG07-01	ICG004W	07/07/06	07/07/06
OC2-PMW14-0-12	G027-08	ND	1	NA	.1	.05	07/07/0622:47	NA	AG07-12	AG07-01	ICG004W	07/07/06	07/07/06

METHOD 300.0
ORTHOPHOSPHATE-P

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G027

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	ICG004WB	ND	1	NA	1	.25	07/07/0620:17	NA	AG07-03	AG07-01	ICG004W	NA	NA
LCS1W	ICG004WL	5.01	1	NA	1	.25	07/07/0620:34	NA	AG07-04	AG07-01	ICG004W	NA	NA
LCD1W	ICG004WC	5.06	1	NA	1	.25	07/07/0620:51	NA	AG07-05	AG07-01	ICG004W	NA	NA
OC2-PMW23B-0-13	G027-01	ND	1	NA	1	.25	07/07/0621:40	NA	AG07-08	AG07-01	ICG004W	07/07/06	07/07/06
OC2-PMW23C-0-14	G027-03	ND	1	NA	1	.25	07/07/0621:57	NA	AG07-09	AG07-01	ICG004W	07/07/06	07/07/06
OC2-PMW23C-1-15	G027-05	ND	1	NA	1	.25	07/07/0622:13	NA	AG07-10	AG07-01	ICG004W	07/07/06	07/07/06
OC2-PMW23D-0-16	G027-07	ND	1	NA	1	.25	07/07/0622:30	NA	AG07-11	AG07-01	ICG004W	07/07/06	07/07/06
OC2-PMW14-0-12	G027-08	ND	1	NA	1	.25	07/07/0622:47	NA	AG07-12	AG07-01	ICG004W	07/07/06	07/07/06

METHOD 300.0
SULFATE

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G027

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
LCS1W	ICG014WL	4.62	1	NA	1	.25	07/14/0614:33	NA	AG14-08	AG14-01	ICG014W	NA	NA
MBLK1W	ICG014WB	ND	1	NA	1	.25	07/14/0614:49	NA	AG14-09	AG14-01	ICG014W	NA	NA
LCD1W	ICG014WC	4.63	1	NA	1	.25	07/14/0615:06	NA	AG14-10	AG14-01	ICG014W	NA	NA
OC2-PMW23B-0-13DL	G027-01I	349	50	NA	50	12.5	07/14/0620:45	NA	AG14-30	AG14-27	ICG014W	07/07/06	07/07/06
OC2-PMW23C-0-14DL	G027-03I	252	20	NA	20	5	07/14/0621:01	NA	AG14-31	AG14-27	ICG014W	07/07/06	07/07/06
OC2-PMW23C-1-15DL	G027-05I	254	20	NA	20	5	07/14/0621:18	NA	AG14-32	AG14-27	ICG014W	07/07/06	07/07/06
OC2-PMW23D-0-16DL	G027-07I	594	50	NA	50	12.5	07/14/0621:34	NA	AG14-33	AG14-27	ICG014W	07/07/06	07/07/06
OC2-PMW14-0-12DL	G027-08I	287	25	NA	25	6.25	07/14/0621:51	NA	AG14-34	AG14-27	ICG014W	07/07/06	07/07/06

QC SUMMARIES

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG004WB	ICG004WL	ICG004WC		
LAB FILE ID:	AG07-03	AG07-04	AG07-05		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/07/0620:17	07/07/0620:34	07/07/0620:51	DATE RECEIVED:	NA
PREP. BATCH:	ICG004W	ICG004W	ICG004W		
CALIB. REF:	AG07-01	AG07-01	AG07-01		

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 (%)
Bromide	ND	5	5.15	103	5	5.15	103	0	90-110	20

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG014WB	ICG014WL	ICG014WC		
LAB FILE ID:	AG14-09	AG14-08	AG14-10		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/14/0614:49	07/14/0614:33	07/14/0615:06	DATE RECEIVED:	NA
PREP. BATCH:	ICG014W	ICG014W	ICG014W		
CALIB. REF:	AG14-01	AG14-01	AG14-01		

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	4.71	94	5	4.73	95	0	90-110	20

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
METHOD: EPA 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG004WB	ICG004WL	ICG004WC		
LAB FILE ID:	AG07-03	AG07-04	AG07-05		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/07/0620:17	07/07/0620:34	07/07/0620:51	DATE RECEIVED:	NA
PREP. BATCH:	ICG004W	ICG004W	ICG004W		
CALIB. REF:	AG07-01	AG07-01	AG07-01		

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 (%)
Fluoride-F	ND	2	1.91	95	2	1.87	94	2	90-110	20

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG004WB	ICG004WL	ICG004WC		
LAB FILE ID:	AG07-03	AG07-04	AG07-05		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/07/0620:17	07/07/0620:34	07/07/0620:51	DATE RECEIVED:	NA
PREP. BATCH:	ICG004W	ICG004W	ICG004W		
CALIB. REF:	AG07-01	AG07-01	AG07-01		

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 (%)
Nitrate-N	ND	2	1.98	99	2	1.98	99	0	90-110	20

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG004WB	ICG004WL	ICG004WC		
LAB FILE ID:	AG07-03	AG07-04	AG07-05		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/07/0620:17	07/07/0620:34	07/07/0620:51	DATE RECEIVED:	NA
PREP. BATCH:	ICG004W	ICG004W	ICG004W		
CALIB. REF:	AG07-01	AG07-01	AG07-01		

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 (%)
Nitrite-N	ND	2	2.02	101	2	2.03	101	0	90-110	20

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EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG004WB	ICG004WL	ICG004WC		
LAB FILE ID:	AG07-03	AG07-04	AG07-05		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/07/0620:17	07/07/0620:34	07/07/0620:51	DATE RECEIVED:	NA
PREP. BATCH:	ICG004W	ICG004W	ICG004W		
CALIB. REF:	AG07-01	AG07-01	AG07-01		

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 (%)
ORTHOPHOSPHATE-P	ND	5	5.01	100	5	5.06	101	1	90-110	20

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG014WB	ICG014WL	ICG014WC		
LAB FILE ID:	AG14-09	AG14-08	AG14-10		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/14/0614:49	07/14/0614:33	07/14/0615:06	DATE RECEIVED:	NA
PREP. BATCH:	ICG014W	ICG014W	ICG014W		
CALIB. REF:	AG14-01	AG14-01	AG14-01		

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	4.62	92	5	4.63	93	0	90-110	20

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G027**

METHOD 314.0
PERCHLORATE

Five (5) water samples were received on 07/07/06 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 half of the reporting limit.

3. Lab Control Sample

Lab control sample results 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

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. : 06G027

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-PMW23B-0-13	G027-01	4.05J	1	NA	5	.5	07/18/0622:16	NA	JG18009	JG18001	PCG001W	07/07/06	07/07/06
OC2-PMW23C-0-14	G027-03	3.56J	1	NA	5	.5	07/18/0622:37	NA	JG18010	JG18001	PCG001W	07/07/06	07/07/06
OC2-PMW23C-1-15	G027-05	3.55J	1	NA	5	.5	07/18/0622:57	NA	JG18011	JG18001	PCG001W	07/07/06	07/07/06
OC2-PMW23D-0-16	G027-07	4.18J	1	NA	5	.5	07/18/0623:37	NA	JG18013	JG18012	PCG001W	07/07/06	07/07/06
OC2-PMW14-0-12	G027-08	2.24J	1	NA	5	.5	07/18/0623:58	NA	JG18014	JG18012	PCG001W	07/07/06	07/07/06

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
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

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G027**

METHOD 335.2
TOTAL CYANIDE

Five (5) water samples were received on 07/07/06 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**

   Sample G027-08 was analyzed for duplicate. %RPD was within QC limit.

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. : 06G027

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	CNG005WB	ND	1	NA	.01	.005	07/18/0614:34	NA	CNG005-12	CNG005-08	CNG005W	NA	NA
LCS1W	CNG005WL	.0939	1	NA	.01	.005	07/18/0614:34	NA	CNG005-13	CNG005-08	CNG005W	NA	NA
LCD1W	CNG005WC	.0928	1	NA	.01	.005	07/18/0614:34	NA	CNG005-14	CNG005-08	CNG005W	NA	NA
OC2-PMW23B-0-13	G027-01	ND	1	NA	.01	.005	07/18/0614:36	NA	CNG005-15	CNG005-08	CNG005W	07/07/06	07/07/06
OC2-PMW23C-0-14	G027-03	ND	1	NA	.01	.005	07/18/0614:36	NA	CNG005-16	CNG005-08	CNG005W	07/07/06	07/07/06
OC2-PMW23C-1-15	G027-05	ND	1	NA	.01	.005	07/18/0614:36	NA	CNG005-17	CNG005-08	CNG005W	07/07/06	07/07/06
OC2-PMW23D-0-16	G027-07	ND	1	NA	.01	.005	07/18/0614:36	NA	CNG005-18	CNG005-08	CNG005W	07/07/06	07/07/06
OC2-PMW14-0-12	G027-08	ND	1	NA	.01	.005	07/18/0614:36	NA	CNG005-19	CNG005-08	CNG005W	07/07/06	07/07/06
OC2-PMW14-0-12DUP	G027-08D	ND	1	NA	.01	.005	07/18/0614:37	NA	CNG005-22	CNG005-20	CNG005W	07/07/06	07/07/06
OC2-PMW14-0-12MS	G027-08M	.0997	1	NA	.01	.005	07/18/0614:37	NA	CNG005-23	CNG005-20	CNG005W	07/07/06	07/07/06

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

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

BATCH NO.: 06G027
SAMPLE ID: LCS1W/LCD1W
CONTROL NO.: CNG005WL/C

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 07/18/06 14:34/14:34

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	.0939	94	.1	.0928	93	1	80-120	20

EMAX QUALITY CONTROL DATA
MS ANALYSIS

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

BATCH NO.: 06G027
SAMPLE ID: OC2-PMW14-0-12MS
CONTROL NO.: G027-08M

DATE RECEIVED: 07/07/06
DATE EXTRACTED: NA
DATE ANALYZED: 07/18/06 14:36

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	SPIKE AMT (mg/L)	MS RSLT (mg/L)	MS % REC	QC LIMIT (%)
Cyanide	ND	.1	.0997	100	75-125

EMAX QUALITY CONTROL DATA
DUPLICATE ANALYSIS

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

BATCH NO.: 06G027
SAMPLE ID: OC2-PMW14-0-12DUP
CONTROL NO.: G027-08D

DATE RECEIVED: 07/07/06
DATE EXTRACTED: NA
DATE ANALYZED: 07/18/06 14:36

ACCESSION:

PARAMETER	SAMPLE (mg/L)	DUP. SAMPLE (mg/L)	RPD (%)	RPD LIMIT (%)
Cyanide	ND	ND	0	20

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G027**

METHOD 351.3
TKN

Five (5) water samples were received on 07/07/06 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. : 06G027

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	KNG002WB	ND	1	NA	1	.035	07/17/0611:17	07/12/0610:00	KNG002-13	KNG002-09	KNG002W	NA	07/12/06
LCS1W	KNG002WL	1.12	1	NA	1	.035	07/17/0611:18	07/12/0610:00	KNG002-14	KNG002-09	KNG002W	NA	07/12/06
LCD1W	KNG002WC	.968J	1	NA	1	.035	07/17/0611:19	07/12/0610:00	KNG002-15	KNG002-09	KNG002W	NA	07/12/06
OC2-PMW23B-0-13	G027-01	.42J	1	NA	1	.035	07/17/0611:25	07/12/0610:00	KNG002-30	KNG002-21	KNG002W	07/07/06	07/07/06
OC2-PMW23C-0-14	G027-03	.514J	1	NA	1	.035	07/17/0611:25	07/12/0610:00	KNG002-31	KNG002-21	KNG002W	07/07/06	07/07/06
OC2-PMW23C-1-15	G027-05	.55J	1	NA	1	.035	07/17/0611:25	07/12/0610:00	KNG002-32	KNG002-21	KNG002W	07/07/06	07/07/06
OC2-PMW23D-0-16	G027-07	.201J	1	NA	1	.035	07/17/0611:26	07/12/0610:00	KNG002-35	KNG002-33	KNG002W	07/07/06	07/07/06
OC2-PMW14-0-12	G027-08	.258J	1	NA	1	.035	07/17/0611:26	07/12/0610:00	KNG002-36	KNG002-33	KNG002W	07/07/06	07/07/06

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

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

BATCH NO.: 06G027
SAMPLE ID: LCS1W/LCD1W
CONTROL NO.: KNG002WL/C

DATE RECEIVED: 07/12/06
DATE EXTRACTED: 07/12/06 10:00
DATE ANALYZED: 07/17/06 11:18/11:19

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	.968	97	15	80-120	20

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G027**

METHOD 370.1
DISSOLVED SILICA

Five (5) water samples were received on 07/07/06 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 G027-08 was analyzed for duplicate. %RPD was within QC limit.

5. Matrix Spike

Sample G027-08 was spiked. %Recoveries were 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. : 06G027

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	SIG004WB	ND	1	NA	2	1	07/19/0616:00	NA	SIG004-10	SIG004-08	SIG004W	NA	NA
LCS1W	SIG004WL	14.4	1	NA	2	1	07/19/0616:01	NA	SIG004-11	SIG004-08	SIG004W	NA	NA
LCD1W	SIG004WC	14.5	1	NA	2	1	07/19/0616:02	NA	SIG004-12	SIG004-08	SIG004W	NA	NA
OC2-PMW23B-0-13	G027-01R	31.5	2	NA	4	2	07/19/0616:12	NA	SIG004-22	SIG004-20	SIG004W	07/07/06	07/07/06
OC2-PMW23C-0-14	G027-03R	32.3	2	NA	4	2	07/19/0616:14	NA	SIG004-24	SIG004-20	SIG004W	07/07/06	07/07/06
OC2-PMW23C-1-15	G027-05R	32.7	2	NA	4	2	07/19/0616:16	NA	SIG004-26	SIG004-20	SIG004W	07/07/06	07/07/06
OC2-PMW23D-0-16	G027-07	24.5	1	NA	2	1	07/19/0616:17	NA	SIG004-27	SIG004-20	SIG004W	07/07/06	07/07/06
OC2-PMW14-0-12	G027-08R	50.0	10	NA	20	10	07/19/0616:19	NA	SIG004-29	SIG004-20	SIG004W	07/07/06	07/07/06
OC2-PMW14-0-12DUP	G027-08D	50.4	10	NA	20	10	07/19/0616:20	NA	SIG004-30	SIG004-20	SIG004W	07/07/06	07/07/06
OC2-PMW14-0-12MS	G027-08M	62.3	10	NA	20	10	07/19/0616:21	NA	SIG004-31	SIG004-20	SIG004W	07/07/06	07/07/06

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EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

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

BATCH NO.: 06G027
SAMPLE ID: LCS1W/LCD1W
CONTROL NO.: SIG004WL/C

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 07/19/06 16:01/16:02

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 %
Dissolved Silica	ND	15	14.4	96	15	14.5	97	1	80-120	20

EMAX QUALITY CONTROL DATA
MS ANALYSIS

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

BATCH NO.: 06G027
SAMPLE ID: OC2-PMW14-0-12MS
CONTROL NO.: G027-08M

DATE RECEIVED: 07/07/06
DATE EXTRACTED: NA
DATE ANALYZED: 07/19/06 16:20

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	SPIKE AMT (mg/L)	MS RSLT (mg/L)	MS % REC	QC LIMIT (%)
Dissolved Silica	50.0	15	62.3	82	75-125

EMAX QUALITY CONTROL DATA
DUPLICATE ANALYSIS

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

BATCH NO.: 06G027
SAMPLE ID: OC2-PMW14-0-12DUP
CONTROL NO.: G027-08D

DATE RECEIVED: 07/07/06
DATE EXTRACTED: NA
DATE ANALYZED: 07/19/06 16:19

ACCESSION:

PARAMETER	SAMPLE (mg/L)	DUP. SAMPLE (mg/L)	RPD (%)	RPD LIMIT (%)
Dissolved Silica	50.0	50.4	1	20

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G027**

METHOD 415.1
TOC

Five (5) water samples were received on 07/07/06 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. : 06G027

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-PMW23B-0-13	G027-01	1.52J	1	NA	2	.5	07/18/0604:05	NA	TCG012-28	TCG012-26	TCG012W	07/07/06	07/07/06
OC2-PMW23C-0-14	G027-03	1.67J	1	NA	2	.5	07/18/0604:14	NA	TCG012-29	TCG012-26	TCG012W	07/07/06	07/07/06
OC2-PMW23C-1-15	G027-05	1.53J	1	NA	2	.5	07/18/0604:23	NA	TCG012-30	TCG012-26	TCG012W	07/07/06	07/07/06
OC2-PMW23D-0-16	G027-07	.64J	1	NA	2	.5	07/18/0604:32	NA	TCG012-31	TCG012-26	TCG012W	07/07/06	07/07/06
OC2-PMW14-0-12	G027-08	1.16J	1	NA	2	.5	07/18/0604:41	NA	TCG012-32	TCG012-26	TCG012W	07/07/06	07/07/06

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G027
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#: 06G027

Your Project #: 06G027
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 #: A669020
Received: 2006/07/11, 12:30

Sample Matrix: Water
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Nitrosamines in Water by HRMS	5	2006/07/13	2006/07/27	Ont SOP 0121, 0710	EPA 607 / 1625 mod

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

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 #: A669020
Report Date: 2006/07/28

EMAX LABORATORIES INC
Client Project #: 06G027
Project name: ARCADIS, OMEGA CHEMICALS
Sampler Initials:

SEMI-VOLATILE ORGANICS BY HRMS (WATER)

Maxxam ID		N04251	N04252	N04253		
Sampling Date		2006/07/07 12:15	2006/07/07 14:40	2006/07/07 14:40		
	Units	**OC2-PMW23B-0-13 (1LAG BROKEN)**	**OC2-PMW23C-0-14**	**OC2-PMW23C-1-15 (1LAG BROKEN)**	**RDL**	**QC Batch**
N-Nitrosodimethylamine	ng/L	ND	4.51	4.29	2.00	1010828
Surrogate Recovery (%)						
D6-N-Nitrosodimethylamine	%	30	33	35		1010828

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

Maxxam ID		N04315	N04316		
Sampling Date		2006/07/07 16:00	2006/07/07 09:15		
	Units	**OC2-PMW23D-0-16**	**OC2-PMW14-0-12**	**RDL**	**QC Batch**
N-Nitrosodimethylamine	ng/L	ND	ND	2.00	1010828
Surrogate Recovery (%)					
D6-N-Nitrosodimethylamine	%	37	37		1010828

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

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

Maxxam Job #: A669020
Report Date: 2006/07/28

EMAX LABORATORIES INC
Client Project #: 06G027
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 #: 06G027
P.O. #:
Project name: ARCADIS, OMEGA CHEMICALS

Quality Assurance Report

Maxxam Job Number: GA669020

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1010828 EM	Spiked Blank	D6-N-Nitrosodimethylamine	2006/07/27		36	%	10 - 81
		N-Nitrosodimethylamine	2006/07/27		110	%	65 - 135
	RPD	N-Nitrosodimethylamine	2006/07/27	0.06		%	25
	Method Blank	D6-N-Nitrosodimethylamine	2006/07/27		37	%	10 - 81
		N-Nitrosodimethylamine	2006/07/27	ND, RDL=2.00		ng/L	

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

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

Maxxam Job #: A669020
Report Date: 2006/07/28

EMAX LABORATORIES INC
Client Project #: 06G027
Project name: ARCADIS, OMEGA CHEMICALS
Sampler Initials:

SEMI-VOLATILE ORGANICS BY HRMS (WATER)

Maxxam ID		N04251	N04252	N04253
Sampling Date		7/7/06 12:15	7/7/06 14:40	7/7/06 14:40
	Units	**OC2-PMW23B-0-13 (1LAG BROKEN)**	**OC2-PMW23C-0-14**	**OC2-PMW23C-1-15 (1LAG BROKEN)**
N-Nitrosodimethylamine	ng/L	ND	4.51	4.29
Surrogate Recovery (%)				
D6-N-Nitrosodimethylamine	%	30	33	35

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

N04315	N04316		
7/7/06 16:00	7/7/06 9:15		
OC2-PMW23D-0-16	**OC2-PMW14-0-12**	**RDL**	**QC Batch**
ND	ND	2	1010828
37	37		1010828

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. * 06G027
PROJECT CODE:

CLIENT: ARCADIS
PROJECT: Omega Chemicals OU-2
COORDINATOR
TEL. FAX EMAIL
SEND REPORT TO: Richard Beauvil
COMPANY: PMAX
ADDRESS
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 FP=Free Product	ZA=Zinc Acetate
AR=Air	HS=H_2SO_4
O=	

ANALYSIS REQUIRED: NDMA

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	COMMENTS
1	OC2-PMW23B-0-13		7/7/06	1215	1	1L	Amber	GW		X 1L aq Broken	06G027-01
2	OC2-PMW23C-0-14		7/7/06	1440	1	1L	Amber	GW		X	-03
3	OC2-PMW23C-1-15		7/7/06	1440	1	1L	Amber	GW		X 1L aq Broken	-05
4	OC2-PMW23D-0-16		7/7/06	1600	1	1L	Amber	GW		X	-07
5	OC2-PMW14-0-12		7/7/06	0915	1	1L	Amber	GW		X	-08
6											
7											
8											
9											
10											

Instructions

Cooler #	Temp. (°C)
1	8.0
2	5.7

Sample #s: HAXXAM Analytical, Inc. 5550 North Service Rd. Burlington, Ontario Canada L7L5H7

SAMPLER

RELINQUISHED BY	Date	Time	RECEIVED BY	Date	Time
[signature]	7/10/06	11:25	[signature]	7/10/06	12:30

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 1300 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all costs associated 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.