TABLE OF CONTENTS

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G019**

SECTION		PAGE
Cover Letter, COC/Sample Receipt Form		1000 – 1010
GC/MS-VOA	METHOD 5030B/8260B	2000 – 2015
	METHOD 5030B/8260B	2016 – 2025
GC/MS-SVOA	METHOD 3520C/8270C	3000 – 3009
	METHOD 3520C/8270C SIM	3010 – 3019
	METHOD 3520C/8270C SIM	3020 – 3029
GC-VOA	**	4000 –
GC-SVOA	**	5000 –
HPLC	**	6000 –
METALS	METHOD 6020A	7000 – 7009
	METHOD 7470A	7010 – 7021
WET	METHOD 160.1	8000 – 8007
	METHOD 218.6	8008 – 8014
	METHOD 300.0	8015 – 8032
	METHOD 314.0	8033 – 8037
	METHOD 335.2	8038 – 8042
	METHOD 351.3	8043 – 8045
	METHOD 415.1	8046 – 8048
	METHOD 370.1	8049 – 8051
OTHERS	N-NITROSODIMETHYLAMINE BY GCMS	

** - 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.: 06G019

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 07/06/06.
The data reported include :

Sample ID	Control #	Col Date	Matrix	Analysis
OC2-PMW12-0-1	G019-01	07/06/06	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
				METALS, DISSOLVED BY ICP-MS
				MERCURY DISSOLVED
				PERCHLORATE BY IC
				SEMIVOLATILE ORGANICS SIM
				SOLIDS TOTAL DISSOLVED
				TKN
				TOTAL ORGANIC CARBON
				N-NITROSODIMETHYLAMINE BY GCMS (
				SILICA, DISSOLVED
				SEMIVOLATILE ORGANICS BY GCMS
OC2-00-W-4-8	G019-02	07/06/06	WATER	VOLATILE ORGANICS BY GC/MS
OC2-00-W-2-7	G019-03	07/06/06	WATER	VOLATILE ORGANICS BY GC/MS
OC2-00-W-4-5	G019-04	07/06/06	WATER	VOLATILE ORGANICS BY GC/MS

Sample ID	Control #	Col Date	Matrix	Analysis
OC2-PMW13B-0-2	G019-05	07/06/06	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
				METALS, DISSOLVED BY ICP-MS
				MERCURY DISSOLVED
				PERCHLORATE BY IC
				SEMIVOLATILE ORGANICS SIM
				SOLIDS TOTAL DISSOLVED
				TKN
				TOTAL ORGANIC CARBON
				N-NITROSODIMETHYLAMINE BY GCMS (
				SILICA, DISSOLVED
				SEMIVOLATILE ORGANICS BY GCMS
OC2-PMW13B-1-3	G019-06	07/06/06	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
				METALS, DISSOLVED BY ICP-MS
				MERCURY DISSOLVED
				PERCHLORATE BY IC
				SEMIVOLATILE ORGANICS SIM
				SOLIDS TOTAL DISSOLVED
				TKN
				TOTAL ORGANIC CARBON
				N-NITROSODIMETHYLAMINE BY GCMS (
				SILICA, DISSOLVED
				SEMIVOLATILE ORGANICS BY GCMS

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

N1

Pg 1

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. * 06G019
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=	

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

SAMPLE ID LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	SAMPLING DATE	SAMPLING TIME	CONTAINER NO.	CONTAINER SIZE	CONTAINER TYPE	MATRIX CODE	QC	VOC - 8260B (PRESERVATIVE CODE: HC)	1,2,3-TCP - 8260SIM (HC)	TOC - 415.1 (HC)	SVOCs/PAHs 8270C (IC)	NDMA - 8270C (IC)	1,4-Dioxane 8270C (IC)	Dissolved Total Metals (IC)	TKN (HS)	COMMENTS
1	OC2-PMW12-0-1	PMW12	7/6/06	11:00	3	40ml	VOA	GW		X								
2					3	↓	↓				X							
3					1							X						
4					2	1lt	Amber						X					
5					2	↓	↓							X				
6					1										X			
7					1	500	Poly									X		
8					1	500											X	
9					1	250												
10					1	125	↓	↓										

Instructions: e-mail PDF to Ron Halpern

See Attached for Detailed Analytical

Cooler #	Temp. (°C)	Sample #s
1	3.8	
2	4.0	

SAMPLER

COURIER/AIRBILL

RELINQUISHED BY	Date	Time	RECEIVED BY
[signature]	7/6/06	17:30	[signature]
[signature]	7/6/06	1540	[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.

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: CA000646.0001
SAMPLE STORAGE
EMAX CONTROL NO. * 06G019
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 Ste 700, Fullerton, CA 92835
EMAX PM: Ken 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	VOC 8260B	SVOC 8270	Cyanide - 335.2	Perchlorate - 314	Cr+6 218.6	Anions: Br, Cl, F, Sulfate, Nitrate, o-Phosphate - 300.0	TDS - 160.1	COMMENTS
										PRESERVATIVE CODE		SH	IC	IC	IC	IC	
1	OC2-PMW12-0-1		7/6/06	11:00	3	40ml	VOA	GW									
2					3	40ml											
3					1	40ml											
4					2	1Lt	Amber										
5					2	1Lt											
6					1	1Lt											
7					1	500	Poly										
8					1	500											
9					1	250							X	X	X		X
10					1	125						X					

Instructions
e-mail PDFs to Ron Halpern
See Pg 1

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	COURIER/AIRBILL RECEIVED BY
[signature]	7/6/06	17:30	[signature]
[signature]	7/6/06	1840	[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.

1003

Pg 3

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. * 06G019
PROJECT CODE: CA000646.0001

CLIENT: ARCADIS
PROJECT: Omega Chemical OU-2
COORDINATOR: Ron Halpern
TEL: 949-294-1582 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

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

LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	DATE	TIME	CONTAINER NO.	SIZE	TYPE	MATRIX CODE	QC	PRESERVATIVE CODE #	COMMENTS
2	OC2-00-W-~~24~~-8		7/6/00	09:30	1	40ml	VOA	GW		X	
3	OC2-00-W-27		7/6/00	09:15	3	40ml	VOA	GW		X	
4	OC2-00-W-4-5		7/6/00	15:00	1	40ml	VOA	GW		X	
4											
5											
6											
7											
8											
9											
0											

Instructions: E-mail PDF to Ron Halpern

See Page 1

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	RECEIVED BY
[signature]	7/6/00	17:30	[signature]
[signature]	7/6/00	18:40	[signature]

COURIER/AIRBILL

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

10061

CHAIN OF CUSTODY

Pg 4

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. * 06G019
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: Tom 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: VOC-8260B; 1,2,3 TCP 8260SIM; TOC-415.1; SVOCs-8270C; NDMA 8270C; 1,4-Dioxane 8270C; Dissolved TAL-metals; TKN

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

LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	DATE	TIME	CONTAINER NO.	SIZE	TYPE	MATRIX CODE	QC	VOC-8260B (HC)	1,2,3 TCP 8260SIM (HC)	TOC-415.1 (HC)	SVOCs-8270C (IC)	NDMA 8270C (IC)	1,4-Dioxane 8270C (IC)	Dissolved TAL-metals (IC)	TKN (HS)	COMMENTS
1	OC2-PMW13B0-2		7/6/06	15:00	3	40ml	VOA	GW		X								
2	↓				3	↓	↓	↓			X							
3					1							X						
4					2	1 lt	Amber						X					
5					2	↓	↓							X				
6					1										X			
7					1	500	Poly									X		
8					1	500											X	
9					1	250												
0					1	125												

5

Instructions: See page 1

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	RECEIVED BY
[signature]	7/6/06	17:30	[signature]
[signature]	7/6/06	1840	[signature]

COURIER/AIRBILL

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

1065

Pg 5

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. * 06 G 019
PROJECT CODE: CA000646.0001

CLIENT: ARCADIS
PROJECT: Omega Chemical OU-2
COORDINATOR: Ron Halpern
TEL: 949-249-1532 EMAIL: rhalpern@arcadis-us.com
SEND REPORT TO: Ron Halpern
COMPANY: ARCADIS
ADDRESS: 1400 N. Harbor Blvd. Ste 700, Fullerton, CA 92835
EMAX PM:

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

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

SAMPLE ID LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	SAMPLING DATE	SAMPLING TIME	CONTAINER NO.	CONTAINER SIZE	CONTAINER TYPE	MATRIX CODE	QC	Cyanide -335.2 (PRESERVATIVE CODE SH)	Perchlorate -314 (IC)	Cr+6 218.6 (IC)	Anions: Br, Cl, F, Sulfate, Nitrite, ortho phosphates 300.0 (IC)		TDS -160.1 (IC)			COMMENTS
1	OCZ-PMW13B-0-2		7/6/06	15:00	3	40ml	VOA	GW										
2					3	40ml	↓											
3					1	40ml	↓											
4					2	1Ltr	Amber											
5					2	1Ltr	↓											
6					1	1Ltr	↓											
7					1	500	Poly											
8					1	500												
9					1	250					X	X	X		X			
10					1	125	↓	↓		X								

Instructions: See page 1

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	COURIER/AIRBILL RECEIVED BY
[signature]	7/6/06	17:30	[signature]
[signature]	7/6/06	1840	

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.

5

1 of 5

Pg 6

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: CA000646.0001.00014

SAMPLE STORAGE

EMAX CONTROL NO. * 066019

PROJECT CODE:

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. Ste. 700
Fullerton, CA 92835
EMAX PM

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

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

SAMPLE ID LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	SAMPLING DATE	SAMPLING TIME	CONTAINER NO.	CONTAINER SIZE	CONTAINER TYPE	MATRIX CODE	QC	VOC-8260B (HC)	1,2,3-TCP-8260SIM (HC)	TOC-415.1 (HC)	SVOC-8270C (IC)	NDMA-8270C (IC)	1,4 Dioxane-8270C (IC)	Dissolved TRC Metals (IC)	TKN (HS)	COMMENTS
1	OC2-PMW13B-1-3		7/6/06	15:00	3	40ml	VOA	GW		X								
2					3	↓	↓				X							
3					1							X						
4					2	1Ltr.	Amber						X					
5					2	↓	↓							X				
6					1										X			
7					1	500	Poly									X		
8					1	500											X	
9					1	250												
10					1	125	↓	↓										

Instructions
See page 1

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	RECEIVED BY
[signature]	7/6/06	17:30	[signature]
[signature]	7/6/06	1840	[signature]

COURIER/AIRBILL

NOTICE: Turn-around-time (TAT) for samples shall not begin untill 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.

1007

Pg 7

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. * 066019
PROJECT CODE: CA000646.0001

CLIENT: ARCADIS
PROJECT: Omega Chemical OU-2
COORDINATOR: RON HALPERN
TEL: 949-294-1532 FAX: EMAIL:
SEND REPORT TO:
COMPANY:
ADDRESS:
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: Cyanide - 335.2; Perchlorate - 314; Cr+6 218.6; 300.0 Anions: Br, Cl, F, Sulfate, Sulfite, Nitrate, Nitrite, Ortho-phosphate; TDS - 160.1

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

LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	DATE	TIME	CONTAINER NO.	SIZE	TYPE	MATRIX CODE	QC	PRESERVATIVE CODE SH	IC	IC		IC		IC	COMMENTS
1	OC2-PMW13B-1-3		7/6/06	1500	3	40ml	VOA	GW									
2					3	↓	↓	↓									
3					1	↓	↓										
4					2	1lt	Amber										
5					2	↓	↓										
6					1	↓	↓										
7					1	500	Poly										
8					1	500	↓										
9					1	250					X	X		X		X	
10					1	125	↓	↓		X							

Instructions: See page 1

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	COURIER/AIRBILL RECEIVED BY
[signature]	7/6/06	17:30	[signature]
	7/6/06	1840	[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.

6

1223

SAMPLE RECEIPT FORM 1

Type of Delivery	Delivered By/Airbill		
☑ EMAX Courier	SEE COC	ECN	06 G019
☐ Client Delivery		Recepient	I. PATEL
☐ Third Party		Date	7-6-06
		Time	18:40

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	☑ Plastic Bag
Temperatures	☑ Cooler 1 3.8°C	☑ Cooler 2 4.0°C	☐ Cooler 3 _____	☐ Cooler 4 _____
	☐ Cooler 5 _____	☐ Cooler 6 _____	☐ Cooler 7 _____	☐ Cooler 8 _____
	☐ Cooler 9 _____	☐ Cooler 10 _____	☐ Cooler 11 _____	☐ Cooler 12 _____

Comments:

LSCID	Client ID	Discrepancy	Corrective Action

LSCID : Lab Sample Container ID

REVIEWS

Sample Labeling _____ Date 7/6/06

SRF _____ Date 7/6/06

PM _____ Date 7/7/06

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#: 06G019

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G019**

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

Six (6) water samples were received on 07/06/06 for Volatile Organic analysis by Method 8260B in accordance with USEPA SW846, 3rd edition.

1. **Holding Time**

   Analytical holding time was met.

2. **Tuning and Calibration**

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

3. **Method Blank**

   Method blanks were free of contamination at reporting limit.

4. **Surrogate Recovery**

   Recoveries were within QC limits.

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

   All recoveries were within QC limits.

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

   No MS/MSD sample was analyzed for this SDG.

7. **Sample Analysis**

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

LAB CHRONICLE
VOLATILE ORGANICS BY GC/MS

Client : ARCADIS
Project : OMEGA CHEMICAL

SDG NO. : 06G019
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	VO05G11Q	1	NA	07/11/0603:30	07/11/0603:30	RGQ122	RGQ022	VO05G11	Method Blank
LCS1W	VO05G11L	1	NA	07/11/0601:42	07/11/0601:42	RGQ119	RGQ022	VO05G11	Lab Control Sample (LCS)
LCD1W	VO05G11C	1	NA	07/11/0602:18	07/11/0602:18	RGQ120	RGQ022	VO05G11	LCS Duplicate
OC2-00-W-4-8	G019-02	1	NA	07/11/0605:19	07/11/0605:19	RGQ125	RGQ022	VO05G11	Field Sample
OC2-00-W-4-5	G019-04	1	NA	07/11/0605:55	07/11/0605:55	RGQ126	RGQ022	VO05G11	Field Sample
OC2-PMW12-0-1	G019-01	1	NA	07/11/0606:31	07/11/0606:31	RGQ127	RGQ022	VO05G11	Field Sample
OC2-00-W-2-7	G019-03	1	NA	07/11/0607:07	07/11/0607:07	RGQ128	RGQ022	VO05G11	Field Sample
OC2-PMW13B-0-2	G019-05	1	NA	07/11/0607:44	07/11/0607:44	RGQ129	RGQ022	VO05G11	Field Sample
MBLK2W	VO05G13Q	1	NA	07/11/0617:21	07/11/0617:21	RGQ141	RGQ022	VO05G13	Method Blank
LCS2W	VO05G13L	1	NA	07/11/0615:31	07/11/0615:31	RGQ138	RGQ022	VO05G13	Lab Control Sample (LCS)
LCD2W	VO05G13C	1	NA	07/11/0616:07	07/11/0616:07	RGQ139	RGQ022	VO05G13	LCS Duplicate
OC2-PMW13B-1-3	G019-06	1	NA	07/11/0618:33	07/11/0618:33	RGQ143	RGQ022	VO05G13	Field Sample
OC2-PMW12-0-1DL	G019-01T	5	NA	07/11/0619:10	07/11/0619:10	RGQ144	RGQ022	VO05G13	Diluted Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

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

Client	: ARCADIS	Date Collected:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
Batch No.	: 06G019	Date Extracted:	07/11/06 06:31
Sample ID:	OC2-PMW12-0-1	Date Analyzed:	07/11/06 06:31
Lab Samp ID:	G019-01	Dilution Factor:	1
Lab File ID:	RGQ127	Matrix :	WATER
Ext Btch ID:	VO05G11	% 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	8.1	.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	.72	.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	.27J	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	.53J	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	17	.5	.2
TOLUENE	.22J	.5	.2
TRANS-1,2-DICHLOROETHENE	ND	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	91E	.5	.2
TRICHLOROFLUOROMETHANE	ND	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	ND	1	.2
MTBE	ND	1	.2
XYLENES, TOTAL	ND	2	.7
ACETONE	ND	10	5
2-BUTANONE	ND	5	1
2-HEXANONE	ND	10	5
4-METHYL-2-PENTANONE	ND	10	5

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

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

Client	: ARCADIS	Date Collected:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
Batch No.	: 06G019	Date Extracted:	07/11/06 19:10
Sample ID:	OC2-PMW12-0-1DL	Date Analyzed:	07/11/06 19:10
Lab Samp ID:	G019-01T	Dilution Factor:	5
Lab File ID:	RGQ144	Matrix :	WATER
Ext Btch ID:	VO05G13	% 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	5	1
1,1,1-TRICHLOROETHANE	ND	2.5	1
1,1,2,2-TETRACHLOROETHANE	ND	2.5	1
1,1,2-TRICHLOROETHANE	ND	2.5	1
1,1-DICHLOROETHANE	ND	2.5	1
1,1-DICHLOROETHENE	8.4	2.5	1
1,1-DICHLOROPROPENE	ND	2.5	1
1,2,3-TRICHLOROBENZENE	ND	5	1
1,2,4-TRICHLOROBENZENE	ND	5	1
1,2,4-TRIMETHYLBENZENE	ND	2.5	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	5	2.5
1,2-DICHLOROBENZENE	ND	2.5	1
1,2-DICHLOROETHANE	ND	2.5	1
1,2-DICHLOROPROPANE	ND	2.5	1
1,2-DIBROMOETHANE	ND	2.5	1
1,3,5-TRIMETHYLBENZENE	ND	5	1
1,3-DICHLOROBENZENE	ND	2.5	1
1,3-DICHLOROPROPANE	ND	2.5	1
1,4-DICHLOROBENZENE	ND	2.5	1
2,2-DICHLOROPROPANE	ND	5	1
2-CHLOROTOLUENE	ND	5	1
4-CHLOROTOLUENE	ND	5	1
BENZENE	ND	2.5	1
BROMODICHLOROMETHANE	ND	2.5	1
BROMOFORM	ND	2.5	1.5
BROMOMETHANE	ND	2.5	1
CARBON DISULFIDE	ND	5	1
CARBON TETRACHLORIDE	ND	2.5	1
CHLOROBENZENE	ND	5	1
CHLOROETHANE	ND	2.5	1
CHLOROFORM	ND	5	1
CHLOROMETHANE	ND	5	1
CIS-1,2-DICHLOROETHENE	ND	2.5	1
CIS-1,3-DICHLOROPROPENE	ND	2.5	1
CYCLOHEXANE	ND	5	1
DIBROMOCHLOROMETHANE	ND	5	1
DIBROMOMETHANE	ND	5	1
DICHLORODIFLUOROMETHANE	ND	5	1.5
ETHYLBENZENE	ND	2.5	1
HEXACHLOROBUTADIENE	ND	5	1
ISOPROPYL BENZENE	ND	2.5	1
M/P-XYLENES	ND	5	2.5
METHYL ACETATE	ND	5	2.5
METHYLCYCLOHEXANE	ND	5	1
METHYLENE CHLORIDE	ND	5	2.5
N-BUTYLBENZENE	ND	5	1
N-PROPYLBENZENE	ND	5	1
NAPHTHALENE	ND	10	2.5
O-XYLENE	ND	5	1
SEC-BUTYLBENZENE	ND	5	1
STYRENE	ND	2.5	1
TERT-BUTYLBENZENE	ND	5	1
TETRACHLOROETHENE	16	2.5	1
TOLUENE	ND	2.5	1
TRANS-1,2-DICHLOROETHENE	ND	2.5	1
TRANS-1,3-DICHLOROPROPENE	ND	2.5	1
TRICHLOROETHENE	91	2.5	1
TRICHLOROFLUOROMETHANE	ND	5	1
VINYL ACETATE	ND	10	2.5
VINYL CHLORIDE	ND	2.5	1
FC 113	ND	5	1
MTBE	ND	5	1
XYLENES, TOTAL	ND	10	3.5
ACETONE	ND	50	25
2-BUTANONE	ND	25	5
2-HEXANONE	ND	50	25
4-METHYL-2-PENTANONE	ND	50	25

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	103	70-140
4-BROMOFLUOROBENZENE	106	70-130
TOLUENE-D8	107	70-140

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

Client	: ARCADIS	Date Collected:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
Batch No.	: 06G019	Date Extracted:	07/11/06 05:19
Sample ID:	OC2-00-W-4-8	Date Analyzed:	07/11/06 05:19
Lab Samp ID:	G019-02	Dilution Factor:	1
Lab File ID:	RGQ125	Matrix :	WATER
Ext Btch ID:	VO05G11	% Moisture :	NA
Calib. Ref.:	RGQ022	Instrument ID :	T-005

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

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

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

Client	: ARCADIS	Date Collected:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
Batch No.	: 06G019	Date Extracted:	07/11/06 07:07
Sample ID:	OC2-00-W-2-7	Date Analyzed:	07/11/06 07:07
Lab Samp ID:	G019-03	Dilution Factor:	1
Lab File ID:	RGQ128	Matrix :	WATER
Ext Btch ID:	VO05G11	% 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	.32J	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	104	70-130
TOLUENE-D8	107	70-140

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

Client	: ARCADIS	Date Collected:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
Batch No.	: 06G019	Date Extracted:	07/11/06 05:55
Sample ID	: OC2-00-W-4-5	Date Analyzed:	07/11/06 05:55
Lab Samp ID	: G019-04	Dilution Factor:	1
Lab File ID	: RGQ126	Matrix :	WATER
Ext Btch ID	: VO05G11	% 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	99	70-140
4-BROMOFLUOROBENZENE	107	70-130
TOLUENE-D8	106	70-140

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

Client	: ARCADIS	Date Collected:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
Batch No.	: 06G019	Date Extracted:	07/11/06 07:44
Sample ID:	OC2-PMW13B-0-2	Date Analyzed:	07/11/06 07:44
Lab Samp ID:	G019-05	Dilution Factor:	1
Lab File ID:	RGQ129	Matrix :	WATER
Ext Btch ID:	VO05G11	% 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	.67	.5	.2
1,2-DICHLOROPROPANE	ND	.5	.2
1,2-DIBROMOETHANE	ND	.5	.2
1,3,5-TRIMETHYLBENZENE	ND	1	.2
1,3-DICHLOROBENZENE	ND	.5	.2
1,3-DICHLOROPROPANE	ND	.5	.2
1,4-DICHLOROBENZENE	ND	.5	.2
2,2-DICHLOROPROPANE	ND	1	.2
2-CHLOROTOLUENE	ND	1	.2
4-CHLOROTOLUENE	ND	1	.2
BENZENE	ND	.5	.2
BROMODICHLOROMETHANE	ND	.5	.2
BROMOFORM	ND	.5	.3
BROMOMETHANE	ND	.5	.2
CARBON DISULFIDE	ND	1	.2
CARBON TETRACHLORIDE	ND	.5	.2
CHLOROBENZENE	ND	1	.2
CHLOROETHANE	ND	.5	.2
CHLOROFORM	ND	1	.2
CHLOROMETHANE	ND	1	.2
CIS-1,2-DICHLOROETHENE	ND	.5	.2
CIS-1,3-DICHLOROPROPENE	ND	.5	.2
CYCLOHEXANE	ND	1	.2
DIBROMOCHLOROMETHANE	ND	1	.2
DIBROMOMETHANE	ND	1	.2
DICHLORODIFLUOROMETHANE	ND	1	.3
ETHYLBENZENE	ND	.5	.2
HEXACHLOROBUTADIENE	ND	1	.2
ISOPROPYL BENZENE	ND	.5	.2
M/P-XYLENES	ND	1	.5
METHYL ACETATE	ND	1	.5
METHYLCYCLOHEXANE	ND	1	.2
METHYLENE CHLORIDE	ND	1	.5
N-BUTYLBENZENE	ND	1	.2
N-PROPYLBENZENE	ND	1	.2
NAPHTHALENE	ND	2	.5
O-XYLENE	ND	1	.2
SEC-BUTYLBENZENE	ND	1	.2
STYRENE	ND	.5	.2
TERT-BUTYLBENZENE	ND	1	.2
TETRACHLOROETHENE	2.5	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	ND	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	.26J	.5	.2
TRICHLOROFLUOROMETHANE	ND	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	ND	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	102	70-140
4-BROMOFLUOROBENZENE	105	70-130
TOLUENE-D8	106	70-140

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

Client : ARCADIS	Date Collected: 07/06/06
Project : OMEGA CHEMICAL	Date Received: 07/06/06
Batch No. : 06G019	Date Extracted: 07/11/06 18:33
Sample ID: OC2-PMW13B-1-3	Date Analyzed: 07/11/06 18:33
Lab Samp ID: G019-06	Dilution Factor: 1
Lab File ID: RGQ143	Matrix : WATER
Ext Btch ID: VO05G13	% 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	.59	.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	2.1	.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	.87J	1	.2
DIBROMOMETHANE	ND	1	.2
DICHLORODIFLUOROMETHANE	ND	1	.3
ETHYLBENZENE	ND	.5	.2
HEXACHLOROBUTADIENE	ND	1	.2
ISOPROPYL BENZENE	ND	.5	.2
M/P-XYLENES	ND	1	.5
METHYL ACETATE	ND	1	.5
METHYLCYCLOHEXANE	ND	1	.2
METHYLENE CHLORIDE	ND	1	.5
N-BUTYLBENZENE	ND	1	.2
N-PROPYLBENZENE	ND	1	.2
NAPHTHALENE	ND	2	.5
O-XYLENE	ND	1	.2
SEC-BUTYLBENZENE	ND	1	.2
STYRENE	ND	.5	.2
TERT-BUTYLBENZENE	ND	1	.2
TETRACHLOROETHENE	2.4	.5	.2
TOLUENE	ND	.5	.2
TRANS-1,2-DICHLOROETHENE	ND	.5	.2
TRANS-1,3-DICHLOROPROPENE	ND	.5	.2
TRICHLOROETHENE	.24J	.5	.2
TRICHLOROFLUOROMETHANE	ND	1	.2
VINYL ACETATE	ND	2	.5
VINYL CHLORIDE	ND	.5	.2
FC 113	ND	1	.2
MTBE	.55J	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	105	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: 07/11/06
Batch No. : 06G019	Date Extracted: 07/11/06 03:30
Sample ID: MBLK1W	Date Analyzed: 07/11/06 03:30
Lab Samp ID: V005G11Q	Dilution Factor: 1
Lab File ID: RGQ122	Matrix : WATER
Ext Btch ID: V005G11	% 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	117	70-140
4-BROMOFLUOROBENZENE	102	70-130
TOLUENE-D8	103	70-130

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G019
METHOD: SW 5030B/8260B

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	V005G11Q	V005G11L	V005G11C		
LAB FILE ID:	RGQ122	RGQ119	RGQ120		
DATE EXTRACTED:	07/11/0603:30	07/11/0601:42	07/11/0602:18	DATE COLLECTED:	NA
DATE ANALYZED:	07/11/0603:30	07/11/0601:42	07/11/0602:18	DATE RECEIVED:	07/11/06
PREP. BATCH:	V005G11	V005G11	V005G11		
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	9.5	95	10	10	100	5	70-130	30
Benzene	ND	10	9.89	99	10	10.5	105	6	70-130	30
Chlorobenzene	ND	10	9.85	99	10	10.7	107	8	70-130	30
Toluene	ND	10	10.1	101	10	10.8	108	7	70-130	30
Trichloroethene	ND	10	9.81	98	10	10.3	103	5	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	10.7	107	70-140
4-Bromofluorobenzene	10	10.4	104	10	10.1	101	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: 07/11/06
Batch No. : 06G019	Date Extracted: 07/11/06 17:21
Sample ID: MBLK2W	Date Analyzed: 07/11/06 17:21
Lab Samp ID: V005G13Q	Dilution Factor: 1
Lab File ID: RGQ141	Matrix : WATER
Ext Btch ID: V005G13	% Moisture : NA
Calib. Ref.: RGQ022	Instrument ID : T-005

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

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

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G019
METHOD: SW 5030B/8260B

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK2W				
LAB SAMP ID:	VO05G13Q	VO05G13L	VO05G13C		
LAB FILE ID:	RGQ141	RGQ138	RGQ139		
DATE EXTRACTED:	07/11/0617:21	07/11/0615:31	07/11/0616:07	DATE COLLECTED:	NA
DATE ANALYZED:	07/11/0617:21	07/11/0615:31	07/11/0616:07	DATE RECEIVED:	07/11/06
PREP. BATCH:	VO05G13	VO05G13	VO05G13		
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	10.1	101	10	10.2	102	1	70-130	30
Benzene	ND	10	10.5	105	10	10.6	106	1	70-130	30
Chlorobenzene	ND	10	10.5	105	10	10.6	106	0	70-130	30
Toluene	ND	10	10.7	107	10	10.9	109	2	70-130	30
Trichloroethene	ND	10	10.3	103	10	10.5	105	2	70-130	30

SURROGATE PARAMETER	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	QC LIMIT (%)
1,2-Dichloroethane-d4	10	10.5	105	10	10.6	106	70-140
4-Bromofluorobenzene	10	10.4	104	10	10.2	102	70-130
Toluene-d8	10	10.8	108	10	10.6	106	70-130

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

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

SDG#: 06G019

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G019**

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

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

1. **Holding Time**

   Analytical holding time was met.

2. **Tuning and Calibration**

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

3. **Method Blank**

   Method blank was free of contamination at reporting limit.

4. **Surrogate Recovery**

   Recoveries were within QC limits.

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

   All recoveries were within QC limits.

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

   No MS/MSD sample was analyzed in this SDG.

7. **Sample Analysis**

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

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

Client : ARCADIS
Project : OMEGA CHEMICAL

SDG NO. : 06G019
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	V002G04Q	1	NA	07/10/0613:43	07/10/0613:43	RGP028	RAP020	V002G04	Method Blank
LCS1W	V002G04L	1	NA	07/10/0612:21	07/10/0612:21	RGP025	RAP020	V002G04	Lab Control Sample (LCS)
LCD1W	V002G04C	1	NA	07/10/0612:48	07/10/0612:48	RGP026	RAP020	V002G04	LCS Duplicate
OC2-PMW12-0-1	G019-01	1	NA	07/10/0614:50	07/10/0614:50	RGP030	RAP020	V002G04	Field Sample
OC2-PMW13B-0-2	G019-05	1	NA	07/10/0615:18	07/10/0615:18	RGP031	RAP020	V002G04	Field Sample
OC2-PMW13B-1-3	G019-06	1	NA	07/10/0615:46	07/10/0615:46	RGP032	RAP020	V002G04	Field Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

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

Client	: ARCADIS	Date Collected:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
Batch No.	: 06G019	Date Extracted:	07/10/06 14:50
Sample ID:	OC2-PMW12-0-1	Date Analyzed:	07/10/06 14:50
Lab Samp ID:	G019-01	Dilution Factor:	1
Lab File ID:	RGP030	Matrix :	WATER
Ext Btch ID:	VOO2G04	% Moisture :	NA
Calib. Ref.:	RAP020	Instrument ID :	T-002

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

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

RL: Reporting Limit

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

Client	: ARCADIS	Date Collected:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
Batch No.	: 06G019	Date Extracted:	07/10/06 15:18
Sample ID:	OC2-PMW13B-0-2	Date Analyzed:	07/10/06 15:18
Lab Samp ID:	G019-05	Dilution Factor:	1
Lab File ID:	RGP031	Matrix :	WATER
Ext Btch ID:	VOO2G04	% Moisture :	NA
Calib. Ref.:	RAP020	Instrument ID :	T-002

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

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

RL: Reporting Limit

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

Client	: ARCADIS	Date Collected:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
Batch No.	: 06G019	Date Extracted:	07/10/06 15:46
Sample ID:	OC2-PMW13B-1-3	Date Analyzed:	07/10/06 15:46
Lab Samp ID:	G019-06	Dilution Factor:	1
Lab File ID:	RGP032	Matrix :	WATER
Ext Btch ID:	VOO2G04	% 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	55	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:	07/10/06
Batch No.	: 06G019	Date Extracted:	07/10/06 13:43
Sample ID:	MBLK1W	Date Analyzed:	07/10/06 13:43
Lab Samp ID:	V002G04Q	Dilution Factor:	1
Lab File ID:	RGP028	Matrix :	WATER
Ext Btch ID:	V002G04	% 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

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G019
METHOD: SW 5030B/8260B

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	V002G04Q	V002G04L	V002G04C		
LAB FILE ID:	RGP028	RGP025	RGP026		
DATE EXTRACTED:	07/10/0613:43	07/10/0612:21	07/10/0612:48	DATE COLLECTED:	NA
DATE ANALYZED:	07/10/0613:43	07/10/0612:21	07/10/0612:48	DATE RECEIVED:	07/10/06
PREP. BATCH:	V002G04	V002G04	V002G04		
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	.0503	101	.05	.0498	100	1	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	.0378	76	.05	.0334	67	50-150

LABORATORY REPOR FOR

ARCADIS

OMEGA CHEMICAL

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

SDG#: 06G019

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G019**

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

Three (3) water samples were received on 07/06/06 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. : 06G019
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-PMW12-0-1	G019-01	.94	NA	07/17/0614:59	07/12/0616:30	RGX076	REX298	SVG012W	Field Sample
OC2-PMW13B-0-2	G019-05	.94	NA	07/17/0615:25	07/12/0616:30	RGX077	REX298	SVG012W	Field Sample
OC2-PMW13B-1-3	G019-06	.94	NA	07/17/0615:50	07/12/0616:30	RGX078	REX298	SVG012W	Field Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

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

Client	: ARCADIS	Date Collected:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
Batch No.	: 06G019	Date Extracted:	07/12/06 16:30
Sample ID:	OC2-PMW12-0-1	Date Analyzed:	07/17/06 14:59
Lab Samp ID:	G019-01	Dilution Factor:	.94
Lab File ID:	RGX076	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	66	30-150
2-FLUOROBIPHENYL	62	30-130
2-FLUOROPHENOL	50	20-130
NITROBENZENE-D5	56	30-130
PHENOL-D5	53	30-130
TERPHENYL-D14	79	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:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
Batch No.	: 06G019	Date Extracted:	07/12/06 16:30
Sample ID:	OC2-PMW13B-0-2	Date Analyzed:	07/17/06 15:25
Lab Samp ID:	G019-05	Dilution Factor:	.94
Lab File ID:	RGX077	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	66	30-150
2-FLUOROBIPHENYL	64	30-130
2-FLUOROPHENOL	51	20-130
NITROBENZENE-D5	53	30-130
PHENOL-D5	54	30-130
TERPHENYL-D14	94	30-130

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

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

Client	: ARCADIS	Date Collected:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
Batch No.	: 06G019	Date Extracted:	07/12/06 16:30
Sample ID:	OC2-PMW13B-1-3	Date Analyzed:	07/17/06 15:50
Lab Samp ID:	G019-06	Dilution Factor:	.94
Lab File ID:	RGX078	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	59	30-150
2-FLUOROBIPHENYL	56	30-130
2-FLUOROPHENOL	46	20-130
NITROBENZENE-D5	49	30-130
PHENOL-D5	48	30-130
TERPHENYL-D14	89	30-130

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

QC SUMMARIES

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

Client	: ARCADIS	Date Collected:	NA
Project	: OMEGA CHEMICAL	Date Received:	07/12/06
Batch No.	: 06G019	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.: 06G019
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#: 06G019

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G019**

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

Three (3) water samples were received on 07/06/06 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. : 06G019
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-PMW12-0-1	G019-01	.94	NA	07/17/0615:32	07/12/0616:30	RGZ074	RFZ008	SVG012W	Field Sample
OC2-PMW13B-0-2	G019-05	.94	NA	07/17/0615:51	07/12/0616:30	RGZ075	RFZ008	SVG012W	Field Sample
OC2-PMW13B-1-3	G019-06	.94	NA	07/17/0616:10	07/12/0616:30	RGZ076	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: 07/06/06
Project : OMEGA CHEMICAL	Date Received: 07/06/06
Batch No. : 06G019	Date Extracted: 07/12/06 16:30
Sample ID: OC2-PMW12-0-1	Date Analyzed: 07/17/06 15:32
Lab Samp ID: G019-01	Dilution Factor: .94
Lab File ID: RGZ074	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	1.7J	1.9	.94
HEXACHLOROBENZENE	ND	.94	.47
PENTACHLOROPHENOL	ND	.94	.47

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TERPHENYL-D14	75	30-130
PHENOL-D5	61	30-130

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client : ARCADIS	Date Collected: 07/06/06
Project : OMEGA CHEMICAL	Date Received: 07/06/06
Batch No. : 06G019	Date Extracted: 07/12/06 16:30
Sample ID: OC2-PMW13B-0-2	Date Analyzed: 07/17/06 15:51
Lab Samp ID: G019-05	Dilution Factor: .94
Lab File ID: RGZ075	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	91	30-130
PHENOL-D5	55	30-130

METHOD 3520C/8270C SIM

SEMI VOLATILE ORGANICS BY GC/MS

Client : ARCADIS	Date Collected: 07/06/06
Project : OMEGA CHEMICAL	Date Received: 07/06/06
Batch No. : 06G019	Date Extracted: 07/12/06 16:30
Sample ID: OC2-PMW13B-1-3	Date Analyzed: 07/17/06 16:10
Lab Samp ID: G019-06	Dilution Factor: .94
Lab File ID: RGZ076	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	1.5J	1.9	.94
HEXACHLOROBENZENE	ND	.94	.47
PENTACHLOROPHENOL	ND	.94	.47

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TERPHENYL-D14	84	30-130
PHENOL-D5	51	30-130

QC SUMMARIES

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. : 06G019	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.: 06G019

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#: 06G019

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G019**

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

Three (3) water samples were received on 07/06/06 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. : 06G019
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-PMW12-0-1	G019-01	.94	NA	07/13/0615:46	07/12/0617:00	RGK029	RFK067	SVG013W	Field Sample
OC2-PMW13B-0-2	G019-05	.94	NA	07/13/0615:58	07/12/0617:00	RGK030	RFK067	SVG013W	Field Sample
OC2-PMW13B-1-3	G019-06	.94	NA	07/13/0616:09	07/12/0617:00	RGK031	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:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
Batch No.	: 06G019	Date Extracted:	07/12/06 17:00
Sample ID:	OC2-PMW12-0-1	Date Analyzed:	07/13/06 15:46
Lab Samp ID:	G019-01	Dilution Factor:	.94
Lab File ID:	RGK029	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	70	18-132

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

Client	: ARCADIS	Date Collected:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
Batch No.	: 06G019	Date Extracted:	07/12/06 17:00
Sample ID:	OC2-PMW13B-0-2	Date Analyzed:	07/13/06 15:58
Lab Samp ID:	G019-05	Dilution Factor:	.94
Lab File ID:	RGK030	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	60	18-132

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

Client	: ARCADIS	Date Collected:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
Batch No.	: 06G019	Date Extracted:	07/12/06 17:00
Sample ID:	OC2-PMW13B-1-3	Date Analyzed:	07/13/06 16:09
Lab Samp ID:	G019-06	Dilution Factor:	.94
Lab File ID:	RGK031	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	55	18-132

QC SUMMARIES

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. : 06G019	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.: 06G019
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#: 06G019

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G019**

METHOD 6020A
DISSOLVED METALS BY ICP-MS

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

1. **Holding Time**

   Analysis met holding time criteria.

2. **Method Blank**

   Method blank was free of contamination at the reporting limit.

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

   Lab control results were within QC limit.

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

   Sample 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. : 06G019
Instrument ID : T-I98

WATER

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	Analysis DateTime	Extraction DateTime	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
MBLK1W	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-PMW12-0-1	G019-01	1	NA	07/20/0622:38	07/11/0614:00	98G20021	98G20013	IMG005W	Field Sample
OC2-PMW13B-0-2	G019-05	1	NA	07/20/0622:46	07/11/0614:00	98G20022	98G20013	IMG005W	Field Sample
OC2-PMW13B-1-3	G019-06	1	NA	07/20/0622:54	07/11/0614:00	98G20023	98G20013	IMG005W	Field Sample

FN - Filename
% Moist - Percent Moisture

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
SDG NO.	: 06G019	Date Extracted:	07/11/06 14:00
Sample ID:	OC2-PMW12-0-1	Date Analyzed:	07/20/06 22:38
Lab Samp ID:	G019-01	Dilution Factor:	1
Lab File ID:	98G20021	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	.282J	.5	.25
Arsenic	2.9	.5	.25
Barium	28.1	.5	.25
Beryllium	ND	.5	.25
Boron^	538	100	50
Cadmium	ND	1	.5
Calcium	129000	1000	200
Chromium	1.15	.5	.25
Cobalt	.367J	.5	.25
Copper	3.38	.5	.25
Iron	ND	1000	200
Lead	ND	1	.5
Magnesium	42500	1000	200
Manganese	170	1	.5
Molybdenum	115	2	1
Nickel	6.8	.5	.25
Potassium	5790	1000	200
Selenium	3.03	1	.5
Silver	ND	1	.5
Sodium	92300	1000	200
Thallium	ND	1	.5
Vanadium	3.94	1	.5
Zinc	25.1	10	5

^ : Analyzed @ DF 10 on 07/18/06 19:25 | File ID 98G17021

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
SDG NO.	: 06G019	Date Extracted:	07/11/06 14:00
Sample ID:	OC2-PMW13B-0-2	Date Analyzed:	07/20/06 22:46
Lab Samp ID:	G019-05	Dilution Factor:	1
Lab File ID:	98G20022	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	1.08	.5	.25
Barium	25.8	.5	.25
Beryllium	ND	.5	.25
Boron^	443	100	50
Cadmium	ND	1	.5
Calcium	130000	1000	200
Chromium	3.39	.5	.25
Cobalt	ND	.5	.25
Copper	2.84	.5	.25
Iron	ND	1000	200
Lead	ND	1	.5
Magnesium	69800	1000	200
Manganese	7.35	1	.5
Molybdenum	41.4	2	1
Nickel	3.06	.5	.25
Potassium	2670	1000	200
Selenium	7.62	1	.5
Silver	ND	1	.5
Sodium	127000	1000	200
Thallium	ND	1	.5
Vanadium	5.43	1	.5
Zinc	29.5	10	5

^ : Analyzed @ DF 10 on 07/18/06 19:34 | File ID 98G17022

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	07/06/06
Project	: OMEGA CHEMICAL	Date Received:	07/06/06
SDG NO.	: 06G019	Date Extracted:	07/11/06 14:00
Sample ID:	OC2-PMW13B-1-3	Date Analyzed:	07/20/06 22:54
Lab Samp ID:	G019-06	Dilution Factor:	1
Lab File ID:	98G20023	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	1.09	.5	.25
Barium	24.4	.5	.25
Beryllium	ND	.5	.25
Boron^	437	100	50
Cadmium	ND	1	.5
Calcium	130000	1000	200
Chromium	3.3	.5	.25
Cobalt	ND	.5	.25
Copper	1.93	.5	.25
Iron	ND	1000	200
Lead	ND	1	.5
Magnesium	69800	1000	200
Manganese	1.45	1	.5
Molybdenum	41.1	2	1
Nickel	.784	.5	.25
Potassium	2640	1000	200
Selenium	7.59	1	.5
Silver	ND	1	.5
Sodium	126000	1000	200
Thallium	ND	1	.5
Vanadium	5.6	1	.5
Zinc	9.71J	10	5

^ : Analyzed @ DF 10 on 07/18/06 19:42 | File ID 98G17023

METHOD 6020A
DISSOLVED METALS BY ICP-MS

Client	: ARCADIS	Date Collected:	NA
Project	: OMEGA CHEMICAL	Date Received:	07/11/06
SDG NO.	: 06G019	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.: 06G019
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.: 06G019
METHOD: METHOD 6020A

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.: 06G019
METHOD: METHOD 6020A

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: **06G019**

METHOD 7470A
DISSOLVED MERCURY BY COLD VAPOR

Three (3) water samples were received on 07/06/06 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 G013-02 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. : 06G019
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	HGG011WB	1	NA	07/11/0616:24	07/11/0612:00	M47G009010	M47G009008	HGG011W	Method Blank
LCS1W	HGG011WL	1	NA	07/11/0616:26	07/11/0612:00	M47G009011	M47G009008	HGG011W	Lab Control Sample (LCS)
LCD1W	HGG011WC	1	NA	07/11/0616:28	07/11/0612:00	M47G009012	M47G009008	HGG011W	LCS Duplicate
GRW023-OF7-71167AS	G013-02A	1	NA	07/11/0616:30	07/11/0612:00	M47G009013	M47G009008	HGG011W	Analytical Spike Sample
GRW023-OF7-71167	G013-02	1	NA	07/11/0616:33	07/11/0612:00	M47G009014	M47G009008	HGG011W	Field Sample
GRW023-OF7-71167DL	G013-02J	5	NA	07/11/0616:35	07/11/0612:00	M47G009015	M47G009008	HGG011W	Diluted Sample
OC2-PMW12-0-1	G019-01	1	NA	07/11/0616:57	07/11/0612:00	M47G009025	M47G009020	HGG011W	Field Sample
OC2-PMW13B-0-2	G019-05	1	NA	07/11/0616:59	07/11/0612:00	M47G009026	M47G009020	HGG011W	Field Sample
OC2-PMW13B-1-3	G019-06	1	NA	07/11/0617:01	07/11/0612:00	M47G009027	M47G009020	HGG011W	Field Sample

FN - Filename
% Moist - Percent Moisture

METHOD 7470A
DISSOLVED MERCURY BY COLD VAPOR

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G019

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	HGG011WB	ND	1	NA	.5	.1	07/11/0616:24	07/11/0612:00	M47G009010	M47G009008	HGG011W	NA	07/11/06
LCS1W	HGG011WL	4.92	1	NA	.5	.1	07/11/0616:26	07/11/0612:00	M47G009011	M47G009008	HGG011W	NA	07/11/06
LCD1W	HGG011WC	4.9	1	NA	.5	.1	07/11/0616:28	07/11/0612:00	M47G009012	M47G009008	HGG011W	NA	07/11/06
OC2-PMW12-0-1	G019-01	ND	1	NA	.5	.1	07/11/0616:57	07/11/0612:00	M47G009025	M47G009020	HGG011W	07/06/06	07/06/06
OC2-PMW13B-0-2	G019-05	ND	1	NA	.5	.1	07/11/0616:59	07/11/0612:00	M47G009026	M47G009020	HGG011W	07/06/06	07/06/06
OC2-PMW13B-1-3	G019-06	ND	1	NA	.5	.1	07/11/0617:01	07/11/0612:00	M47G009027	M47G009020	HGG011W	07/06/06	07/06/06

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
SDG NO.: 06G019
METHOD: METHOD 7470A

MATRIX:	WATER			% MOISTURE:	NA
DILTN FACTR:	1	1	1		
SAMPLE ID:	MBLK1W				
CONTROL NO.:	HGG011WB	HGG011WL	HGG011WC		
LAB FILE ID:	M47G009010	M47G009011	M47G009012		
DATIME EXTRCTD:	07/11/0612:00	07/11/0612:00	07/11/0612:00	DATE COLLECTED:	NA
DATIME ANALYZD:	07/11/0616:24	07/11/0616:26	07/11/0616:28	DATE RECEIVED:	07/11/06
PREP. BATCH:	HGG011W	HGG011W	HGG011W		
CALIB. REF:	M47G009008	M47G009008	M47G009008		

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	4.92	98	5	4.9	98	0	80-120	20

EMAX QUALITY CONTROL DATA
SERIAL DILUTION ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G019
METHOD: METHOD 7470A

MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	1	5		
SAMPLE ID:	GRW023-OF7-711	GRW023-OF7-711DL		
EMAX SAMP ID:	G013-02	G013-02J		
LAB FILE ID:	M47G009014	M47G009015		
DATE EXTRACTED:	07/11/0612:00	07/11/0612:00	DATE COLLECTED:	07/05/06
DATE ANALYZED:	07/11/0616:33	07/11/0616:35	DATE RECEIVED:	07/06/06
PREP. BATCH:	HGG011W	HGG011W		
CALIB. REF:	M47G009008	M47G009008		

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.: 06G019
METHOD: METHOD 7470A

MATRIX:	WATER		% MOISTURE:	NA
DILTN FACTR:	1	1		
SAMPLE ID:	GRW023-OF7-71167			
CONTROL NO.:	G013-02	G013-02A		
LAB FILE ID:	M47G009014	M47G009013		
DATIME EXTRCTD:	07/11/0612:00	07/11/0612:00	DATE COLLECTED:	07/05/06
DATIME ANALYZD:	07/11/0616:33	07/11/0616:30	DATE RECEIVED:	07/06/06
PREP. BATCH:	HGG011W	HGG011W		
CALIB. REF:	M47G009008	M47G009008		

ACCESSION:

PARAMETER	SMPL RSLT (ug/L)	SPIKE AMT (ug/L)	AS RSLT (ug/L)	AS % REC	QC LIMIT (%)
Dissolved Mercury	ND	2	2.05	103	85-115

ANALYSIS RUN LOG
for
MERCURY

Note: For samples, relevant QCs/Standards analyzed, refer to attached analytical sequence.

Start Date: 7/11/06 **Start Time:** 16:03

End Date: 7/11/06 **End Time:** 18:37

Comments:

QC OK

Book #: A47-47

Instrument No.: 47

Analytical Sequence/Batch: M47G009

Method File: Hg

SOP #	Rev. #
☑ EMAX-7470	3
☐ EMAX-7471	3
☐ EMAX-CLP-245.5	
☐ EMAX-CLP-245.1	
☐ EMAX-	

STANDARDS ID	
S1	BLANK
S2	SM3B-06-885
S3	↓
S4	↓
S5	↓
S6	↓
ICV	SM3B-06-886
CCV	↓
LCS	↓

Analyzed By: NT

Date: 7/11/06

"M47G009"

EMAXlfid	EMAXlsid	conc	Raw_resp	rsd/rf	adatetime	DF
M47G009000	STD1REP1	0	4681		07/11/0616:03	1
M47G009001	STD2REP1	.2	23456		07/11/0616:05	1
M47G009002	STD3REP1	1	97404		07/11/0616:07	1
M47G009003	STD4REP1	2	186694		07/11/0616:09	1
M47G009004	STD5REP1	5	459821		07/11/0616:11	1
M47G009005	STD6REP1	10	923290		07/11/0616:13	1
M47G009006	ICV	2.02	189716	0	07/11/0616:16	1
M47G009007	ICB	-.054	-690	0	07/11/0616:18	1
M47G009008	CCV1	5.09	471170	0	07/11/0616:20	1
M47G009009	CCB1	-.034	1171	0	07/11/0616:22	1
M47G009010	HGG011WB	-.013	3069	0	07/11/0616:24	1
M47G009011	HGG011WL	4.92	455709	0	07/11/0616:26	1
M47G009012	HGG011WC	4.9	454027	0	07/11/0616:28	1
M47G009013	G013-02A	2.05	192385	0	07/11/0616:30	1
M47G009014	G013-02	-.015	2886	0	07/11/0616:33	1
M47G009015	G013-02J	-.006	3774	0	07/11/0616:35	5
M47G009016	G013-03	.003	4577	0	07/11/0616:38	1
M47G009017	G013-04	.137	16839	0	07/11/0616:40	1
M47G009018	G013-08	.015	5692	0	07/11/0616:42	1
M47G009019	G013-14	-.012	3223	0	07/11/0616:44	1
M47G009020	CCV2	4.95	458574	0	07/11/0616:46	1
M47G009021	CCB2	.005	4756	0	07/11/0616:49	1
M47G009022	G013-17	-.002	4119	0	07/11/0616:51	1
M47G009023	G013-18	.008	5010	0	07/11/0616:53	1
M47G009024	G003-20	-.003	3984	0	07/11/0616:55	1
M47G009025	G019-01	.006	4830	0	07/11/0616:57	1
M47G009026	G019-05	-.008	3508	0	07/11/0616:59	1
M47G009027	G019-06	.006	4847	0	07/11/0617:01	1
M47G009028	F306-11	1.44	136805	0	07/11/0617:03	1
M47G009029	F306-11	.001	4412	0	07/11/0617:05	1
M47G009030	F313-01	-.008	3591	0	07/11/0617:08	1
M47G009031	F313-02	-.016	2815	0	07/11/0617:10	1
M47G009032	CCV3	5.1	472120	0	07/11/0617:13	1
M47G009033	CCB3	.005	4719	0	07/11/0617:15	1
M47G009034	F313-03	.06	9772	0	07/11/0617:17	1
M47G009035	F313-04	.038	7810	0	07/11/0617:19	1
M47G009036	F313-05	.081	11729	0	07/11/0617:21	1
M47G009037	F313-06	1.2	114707	0	07/11/0617:23	1
M47G009038	HGG010WB	-.038	799	0	07/11/0617:25	1
M47G009039	HGG010WL	4.84	448719	0	07/11/0617:27	1
M47G009040	HGG010WC	4.87	450860	0	07/11/0617:29	1
M47G009041	WTG002SB	.032	7223	0	07/11/0617:31	1
M47G009042	F309-08A	2.09	195721	0	07/11/0617:33	1
M47G009043	F309-08	.019	6054	0	07/11/0617:35	1
M47G009044	CCV4	5.07	468969	0	07/11/0617:37	1
M47G009045	CCB4	-.033	1212	0	07/11/0617:39	1
M47G009046	F309-08J	.004	4607	0	07/11/0617:41	5
M47G009047	F309-08M	5.13	474716	0	07/11/0617:44	1
M47G009048	F309-08S	5.1	472096	0	07/11/0617:46	1
M47G009049	F309-01	.004	4640	0	07/11/0617:48	1
M47G009050	F309-02	-.016	2771	0	07/11/0617:50	1
M47G009051	F309-03	-.002	4136	0	07/11/0617:52	1
M47G009052	F309-04	.033	7303	0	07/11/0617:54	1
M47G009053	F309-05	.016	5795	0	07/11/0617:56	1
M47G009054	F309-06	.003	4557	0	07/11/0617:58	1
M47G009055	F309-07	.018	5966	0	07/11/0618:00	1
M47G009056	CCV5	5.02	464933	0	07/11/0618:02	1
M47G009057	CCB5	-.001	4150	0	07/11/0618:04	1
M47G009058	F309-09	.007	4939	0	07/11/0618:06	1
M47G009059	F309-10	.021	6172	0	07/11/0618:09	1
M47G009060	F309-11	.007	4898	0	07/11/0618:12	1
M47G009061	F309-12	.027	6717	0	07/11/0618:14	1
M47G009062	F309-13	0	4268	0	07/11/0618:16	1
M47G009063	F309-14	.019	5986	0	07/11/0618:18	1
M47G009064	F309-16	-.012	3174	0	07/11/0618:20	1
M47G009065	F309-17	-.009	3479	0	07/11/0618:22	1
M47G009066	F309-18	.024	6450	0	07/11/0618:24	1
M47G009067	F309-19	-.001	4193	0	07/11/0618:27	1
M47G009068	CCV6	5.02	464397	0	07/11/0618:29	1
M47G009069	CCB6	-.01	3324	0	07/11/0618:31	1
M47G009070	F309-20	-.005	3841	0	07/11/0618:33	1
M47G009071	CCV7	5.01	463619	0	07/11/0618:35	1
M47G009072	CCB7	-.025	1957	0	07/11/0618:37	1
**********	**********	**********	**********	**********	**********	***
EMAXlfid	EMAXlsid	Xint	Yint	rrf	adatetime	DF

M47G009000 BLANK -4.677166E-02 4290.663 .9999869 07/11/0618:42 1

RunProt: HGCOM

RunFold: M47G009 Seq: 6 Batch:

Prnt: R/T On Pump: On

Rev: 4.2 16:15:20 11 Jul 2006 Xmit: Off Gas: 0.35 LPM

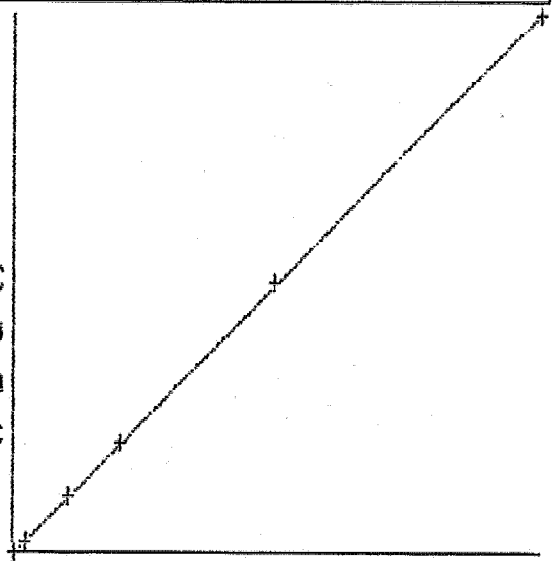
State: Idle User: NT A/S: On

CALIBRATION: Line proto: HGCOM

	Hg Conc.	Calc.	Dev.	Accepted ->linear
S1	.000	.004	.004	Quadratic
S2	.200	.209	.009	Wtdlinear
S3	1.00	1.02	.015	C
S4	2.00	1.99	-.012	Accept o
S5	5.00	4.97	-.034	n
S6	10.0	10.0	.018	c

A .0000000 r .999987

B 1.09005e-5 C -4.66913e-2



Relative Absorbance

	Mean			
S1	4681	0	SD	4681
S2	23456	0	%RSD	23456
S3	97404	0	%RSD	97404
S4	186694	0	%RSD	186694
S5	459821	0	%RSD	459821
S6	923290	0	%RSD	923290

New cal coefficients stored

DIGESTION LOG FOR MERCURY

SOP ☑ EMAX-7470 Rev. No.3 ☐ EMAX-7471 Rev. No.3 ☐ EMAX-CLP-245.5 ☐ EMAX-CLP-245.1 ☐

Matrix: Water Start Date: 7/11/06 Time: 12:00 Ending Date: 7/11/06 Time: 14:30 Book # E47-047

BATCH: HG011W

Sample Prep ID	Lab Sample ID	Matrix Description Color	Matrix Description Texture / Clarity	Matrix Description Artifacts	Sample Amount (g | ml)	Dry Weight	pH	Extract Volume (ml)	Matrix Description Color	Matrix Description Clarity
01	S-0	Cr	Cr	N/A	0	N/A	N/A	150	Cr	Cr
02	0.2				0.2					
03	1				1					
04	2				2					
05	5				5					
06	10				10					
07	ICV				2					
08	ICB				0					
09	CCV				5					
10	CCB				0					
11	HGG011WB				100					
12	WL									
13	WC									
14	G003-20						<2			
15	G013-02						<2			
16	03						<2			
17	04						<2			
18	08						<2			
19	14						<2			
20	17						<2			
21	18						<2			
22	G019-01						<2			
23	05						<2			
24	06						<2			
25	F306-11	Bn	Td	Tot			<2			
26	F306-11	Cr	Cr	DISS			<2			
27*	F313-01			N/A			<2			
28	02						<2			

Standards	ID	Conc. (µg/L)	Amount Added (ml)
ICAL SM	3B-06-885	100	0.2,1,2,5,10
ICV SM	3B-06-886		2
CCV/MS			5
LCS			5
Reagent	Lot# / ID		
HNO_3	SWIA-03-318		
HCl	N/A		
H_2SO_4	SWIA-03-303		
$KMnO_4$	SM5B-02-51		
$K_2S_2O_8$	52		
$NH_2OH.HCl$	49		
$SnCl_2$	50		

Temp of Digestion Bath: 95 °C

Legend

Color			
Bu = blue	Cs = Coarse	Cr = Clear	Rk = rocks
Bk = black	Md = Medium	Cy = Cloudy	Sl = Shale
Bn = Brown	Fn = Fine	Td = Turbid	Vg=Vegetation
Gn = Green			
Og = Orange			
Rd = Red			
Yw = Yellow			

Comments: *Samples were filtered & preserved in the lab

Prepared By: NT

Standard Added By: NT Witnessed By: MC

Checked By:

Disposed By: Date Disposed:

EMAX LABORATORIES, INC. 1835 W. 205th St. Torrance, CA 90501

DIGESTION LOG FOR MERCURY

SOP ☑ EMAX-7470 Rev. No.3 ☐ EMAX-7471 Rev. No.3 ☐ EMAX-CLP-245.5 ☐ EMAX-CLP-245.1 ☐

Matrix: Water Start Date: 7/11/06 Time: 12:00 Ending Date: 7/11/06 Time: 14:30 Book # E47-047

Sample Prep ID	Lab Sample ID	Matrix Description Color	Matrix Description Texture / Clarity	Matrix Description Artifacts	Sample Amount (g/ml)	Dry Weight	pH	Extract Volume (ml)	Matrix Description Color	Matrix Description Clarity
01 *	F313-03	Yw	Cr	N/A	100	N/A	<2	150	Cr	Cr
02	04	↓	↓	↓	↓	↓	<2	↓	↓	↓
03	05	↓	Td	↓	↓	↓	<2	↓	↓	↓
04	06	Cr	Cr	↓	↓	↓	<2	↓	↓	↓
05										
06										
07										
08										
09										
10										
11										
12										
13										
14						NT				
15						7/11/06				
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										

BATCH: HGG011W

Standards	ID	Conc. (µg/L)	Amount Added (ml)
ICAL			
ICV			
CCV/MS			
LCS			
Reagent	Lot# / ID		
HNO_3			
HCl			
H_2SO_4			
$KMnO_4$			
$K_2S_2O_8$			
$NH_2OH.HCl$			
$SnCl_2$			
Temp of Digestion Bath:	°C		
Legend			

SAME AS PAGE 26

Color			
Bu = blue	Cs = Coarse	Cr = Clear	Rk = rocks
Bk = black	Md = Medium	Cy = Cloudy	Sl = Shale
Bn = Brown	Fn = Fine	Td = Turbid	Vg=Vegetation
Gn = Green			
Og = Orange			
Rd = Red			
Yw = Yellow			

Comments:

Prepared By: NT

Standard Added By: NT Witnessed By: MC

Checked By:

Disposed By: Date Disposed:

EMAX LABORATORIES, INC. 1835 W. 213th St. Torrance, CA 90501

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

WET CHEMICAL ANALYSES

SDG#: 06G019

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G019**

METHOD 160.1
TOTAL DISSOLVED SOLIDS

Three (3) water samples were received on 07/06/06 for Total Dissolved Solids analysis by Method 160.1 in accordance with "Method for Chemical Analysis of Water and Wastewater", EPA 600/4-79-020 (1983).

1. **Holding Time**

   Analysis met holding time criteria.

2. **Method Blank**

   Method blank was free of contamination at the reporting limit.

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

   Lab control results were within QC limit.

4. **Duplicate**

   Sample G019-06 was analyzed for duplicate. %RPD was within QC limit.

5. **Sample Analysis**

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

METHOD 160.1
TOTAL DISSOLVED SOLIDS

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G019

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	07/12/0616:18	07/11/0615:49	TDG004-01	NA	TDG004W	NA	07/11/06
LCS1W	TDG004WL	265	1	NA	20	5	07/12/0616:18	07/11/0615:49	TDG004-02	NA	TDG004W	NA	07/11/06
LCD1W	TDG004WC	260	1	NA	20	5	07/12/0616:18	07/11/0615:49	TDG004-03	NA	TDG004W	NA	07/11/06
OC2-PMW12-0-1	G019-01	840	1	NA	20	5	07/12/0616:18	07/11/0615:49	TDG004-04	NA	TDG004W	07/06/06	07/06/06
OC2-PMW13B-0-2	G019-05	1260	1	NA	20	5	07/12/0616:19	07/11/0615:49	TDG004-05	NA	TDG004W	07/06/06	07/06/06
OC2-PMW13B-1-3	G019-06	1300	1	NA	20	5	07/12/0616:19	07/11/0615:49	TDG004-06	NA	TDG004W	07/06/06	07/06/06
OC2-PMW13B-1-3DUP	G019-06D	1280	1	NA	20	5	07/12/0616:19	07/11/0615:49	TDG004-07	NA	TDG004W	07/06/06	07/06/06

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

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

BATCH NO.: 06G019
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 16:18/16:18

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

0000

EMAX QUALITY CONTROL DATA
DUPLICATE ANALYSIS

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

==========

BATCH NO.: 06G019 DATE RECEIVED: 07/06/06
SAMPLE ID: OC2-PMW13B-1-3DUP DATE EXTRACTED: 07/11/06 15:49
CONTROL NO.: G019-06D DATE ANALYZED: 07/12/06 16:19

ACCESSION:

PARAMETER	SAMPLE (mg/L)	DUP. SAMPLE (mg/L)	RPD (%)	RPD LIMIT (%)
TDS	1300	1280	2	5

ANALYSIS LOG *for* GRAVIMETRIC

Note: For samples, relevant QCs/Standards analyzed, refer to attached analytical sequence.

Comments:

Book #: AGV-022

Balance ID: ☑ 40706360 ☐ 37030058

Analytical Batch: 06TD604

SOP #	Rev. #
☑ EMAX-160.1	3
☐ EMAX-160.2	2
☐ EMAX-160.3	1
☐ EMAX-160.4	0
☐ EMAX-160.5	0
☐ EMAX-	

STANDARDS ID	CONC. (mg/L)
LCS SW7A-67-071	236 mg/L

Analyzed By: KH

Date: 7/12/06

GRAVIMETRIC ANALYSES
RAW DATA

06TDG004.xls

EMAX LABORATORIES, INC.

Analytical Batch: 06TDG004 Instrument ID: 40706360 Oven Temp IN (°C): 105 Oven Temp OUT (°C): SOP: EMAX160.1 Rev.

DATA FILE ID	Sample ID	Sample Amount (ml)	Dish #	Dish (g)	Date	Time	1st Dry Weight + Dish (g)	Date	Time	2nd Dry Weight + Dish (g)	Date	Time	3rd Dry Weight + Dish (g)	Date	Time	Difference 2nd & 3rd Dry Wt. Rdg. (<0.5mg)
06TDG004 01	TDG004WB	100	B	64.4869	07/11/06	15:49	64.4871	07/12/06	14:21	64.487	07/12/06	16:18	64.487	07/12/06	16:23	0.0
06TDG004 02	TDG004WL	20	1	13.1664	07/11/06	15:50	13.1719	07/12/06	14:21	13.1717	07/12/06	16:18	13.1717	07/12/06	16:23	0.0
06TDG004 03	TDG004WC	20	2	13.0327	07/11/06	15:50	13.038	07/12/06	14:21	13.0379	07/12/06	16:18	13.0379	07/12/06	16:23	0.0
06TDG004 04	G019-01	20	3	12.9813	07/11/06	15:50	12.9981	07/12/06	14:22	12.9981	07/12/06	16:18	12.9981	07/12/06	16:23	0.0
06TDG004 05	G019-05	20	4	13.047	07/11/06	15:50	13.0723	07/12/06	14:22	13.0723	07/12/06	16:19	13.0723	07/12/06	16:23	0.0
06TDG004 06	G019-06	20	5	13.0022	07/11/06	15:51	13.0284	07/12/06	14:22	13.0282	07/12/06	16:19	13.0282	07/12/06	16:23	0.0
06TDG004 07	G019-06D	20	6	12.986	07/11/06	15:51	13.0119	07/12/06	14:22	13.0117	07/12/06	16:19	13.0117	07/12/06	16:23	0.0
06TDG004 08	G027-01	20	7	13.2133	07/11/06	15:51	13.2374	07/12/06	14:23	13.2372	07/12/06	16:19	13.2372	07/12/06	16:23	0.0
06TDG004 09	G027-03	20	8	13.2472	07/11/06	15:51	13.2685	07/12/06	14:23	13.2683	07/12/06	16:20	13.2683	07/12/06	16:23	0.0
06TDG004 10	G027-05	20	9	13.0707	07/11/06	15:51	13.0916	07/12/06	14:23	13.0914	07/12/06	16:20	13.0914	07/12/06	16:23	0.0
06TDG004 11	G027-07	20	10	13.2613	07/11/06	15:52	13.284	07/12/06	14:23	13.2839	07/12/06	16:20	13.2839	07/12/06	16:23	0.0
06TDG004 12	G027-08	20	11	13.2258	07/11/06	15:53	13.2539	07/12/06	14:24	13.2537	07/12/06	16:20	13.2537	07/12/06	16:23	0.0
06TDG004 13	G441-01	20	12	13.0131	07/11/06	15:53	13.0274	07/12/06	14:24	13.0272	07/12/06	16:20	13.0272	07/12/06	16:23	0.0
06TDG004 14	B442-01	20	13	13.2054	07/11/06	15:53	13.215	07/12/06	14:24	13.2148	07/12/06	16:21	13.2148	07/12/06	16:23	0.0
													Record time only			
														7/25/06		

LCS Conc: 236 mg/L MDL : 5 mg/L RL: 10 mg/L

Initial Reading by: KH

Final Reading by: KH

Reviewed by:

COMMENTS: **Actual concentration of MDLV is 10.0 ppm.**

9999

EMAX LABORATORIES, INC.

GRAVIMETRIC CALCULATION

Analytical Batch: 06TDG004 | Start Date/Time: 07/11/06 15:49 | Temp IN(°C): 105

Balance ID: 40706360 | End Date/Time: 07/12/06 16:23 | Temp Out(°C):

DATA FILE ID	Sample ID	Sample Amount (ml)	Dish (g)	Dry Weight + Dish (g)	SOLIDS (mg)	RESULT (mg/L)	NOTES
06TDG004 01	TDG004WB	100	64.4869	64.487	0.1000	ND	
06TDG004 02	TDG004WL	20	13.1664	13.1717	5.3000	265	112
06TDG004 03	TDG004WC	20	13.0327	13.0379	5.2000	260	110
06TDG004 04	G019-01	20	12.9813	12.9981	16.8000	840	
06TDG004 05	G019-05	20	13.047	13.0723	25.3000	1260	
06TDG004 06	G019-06	20	13.0022	13.0282	26.0000	1300	
06TDG004 07	G019-06D	20	12.986	13.0117	25.7000	1280	
06TDG004 08	G027-01	20	13.2133	13.2372	23.9000	1190	
06TDG004 09	G027-03	20	13.2472	13.2683	21.1000	1060	
06TDG004 10	G027-05	20	13.0707	13.0914	20.7000	1030	
06TDG004 11	G027-07	20	13.2613	13.2839	22.6000	1130	
06TDG004 12	G027-08	20	13.2258	13.2537	27.9000	1400	
06TDG004 13	G441-01	20	13.0131	13.0272	14.1000	705	
06TDG004 14	B442-01	20	13.2054	13.2148	9.4000	470	

LCS Concentration: 236 mg/L | MDL(mg/L): 5 | Initial Reading by: KH

SOP: EMAX160.1 Rev. 3 | RL (mg/L): 10 | Final Reading by:

COMMENTS: Actual concentration of MDLV is 10.0 ppm.

Reviewed by:

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G019**

METHOD 218.6
HEXAVALENT CHROMIUM

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

1. **Holding Time**

   Analysis 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 G019-06 was analyzed for duplicate. % RPD was within QC limit.

5. **Matrix Spike**

   Sample G019-06 was spiked. % Recovery was within QC limit.

6. **Sample Analysis**

   Samples 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. : 06G019

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	HCG001WB	ND	1	NA	.2	.1	07/06/0623:14	NA	IG06009	IG06008	HCG001W	NA	NA
LCS1W	HCG001WL	.944	1	NA	.2	.1	07/06/0623:25	NA	IG06010	IG06008	HCG001W	NA	NA
LCD1W	HCG001WC	1.06	1	NA	.2	.1	07/06/0623:35	NA	IG06011	IG06008	HCG001W	NA	NA
OC2-PMW12-0-1	G019-01	1.29	1	NA	.2	.1	07/06/0623:46	NA	IG06012	IG06008	HCG001W	07/06/06	07/06/06
OC2-PMW13B-0-2	G019-05	3.6	1	NA	.2	.1	07/06/0623:56	NA	IG06013	IG06008	HCG001W	07/06/06	07/06/06
OC2-PMW13B-1-3	G019-06	3.6	1	NA	.2	.1	07/07/0600:06	NA	IG06014	IG06008	HCG001W	07/06/06	07/06/06
OC2-PMW13B-1-3DUP	G019-06D	3.56	1	NA	.2	.1	07/07/0600:17	NA	IG06015	IG06008	HCG001W	07/06/06	07/06/06
OC2-PMW13B-1-3MS	G019-06M	4.64	1	NA	.2	.1	07/07/0600:27	NA	IG06016	IG06008	HCG001W	07/06/06	07/06/06

QC SUMMARIES

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G019
METHOD: METHOD 218.6

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	HCG001WB	HCG001WL	HCG001WC		
LAB FILE ID:	IG06009	IG06010	IG06011		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/06/0623:14	07/06/0623:25	07/06/0623:35	DATE RECEIVED:	NA
PREP. BATCH:	HCG001W	HCG001W	HCG001W		
CALIB. REF:	IG06008	IG06008	IG06008		

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	.944	94	1	1.06	106	12	90-110	20

EMAX QUALITY CONTROL DATA
MS ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G019
METHOD: METHOD 218.6

MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	1	1		
SAMPLE ID:	OC2-PMW13B-1-3			
LAB SAMP ID:	G019-06	G019-06M		
LAB FILE ID:	IG06014	IG06016		
DATE EXTRACTED:	NA	NA	DATE COLLECTED:	07/06/06
DATE ANALYZED:	07/07/0600:06	07/07/0600:27	DATE RECEIVED:	07/06/06
PREP. BATCH:	HCG001W	HCG001W		
CALIB. REF:	IG06008	IG06008		

ACCESSION:

PARAMETER	SMPL RSLT (ug/L)	SPIKE AMT (ug/L)	MS RSLT (ug/L)	MS % REC	QC LIMIT (%)
Hexavalent Chromium	3.6	1	4.64	103	80-120

EMAX QUALITY CONTROL DATA
DUPLICATE SAMPLE ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G019
METHOD: METHOD 218.6

MATRIX:	WATER		% MOISTURE:	NA
DILUTION FACTOR:	1	1		
SAMPLE ID:	OC2-PMW13B-1-3			
EMAX SAMP ID:	G019-06	G019-06D		
LAB FILE ID:	IG06014	IG06015		
DATE EXTRACTED:	NA	NA	DATE COLLECTED:	07/06/06
DATE ANALYZED:	07/07/0600:06	07/07/0600:17	DATE RECEIVED:	07/06/06
PREP. BATCH:	HCG001W	HCG001W		
CALIB. REF:	IG06008	IG06008		

ACCESSION:

PARAMETER	SMPL RSLT (ug/L)	DUPL RSLT (ug/L)	RPD RSLT %	QC LIMIT (%)
Hexavalent Chromium	3.6	3.56	1	20

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G019**

METHOD 300.0
ANIONS

Three (3) water samples were received on 07/06/06 for Bromide, Chloride, Fluoride, Nitrate-N, Nitrite-N, Orthophosphate, and Sulfate analyses by method 300.0 in accordance with "Method for Determination of Inorganic Anions by Ion Chromatography", EPA 600/84-017.

1. **Holding Time**

   Analyses met holding time criteria.

2. **Method Blank**

   Method blanks were free of contamination at the reporting limit.

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

   Lab control results were within QC limits.

4. **Duplicate**

   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. : 06G019

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	ICG002WB	ND	1	NA	1	.1	07/06/0619:01	NA	AG06-03	AG06-01	ICG002W	NA	NA
LCS1W	ICG002WL	5.09	1	NA	1	.1	07/06/0619:17	NA	AG06-04	AG06-01	ICG002W	NA	NA
LCD1W	ICG002WC	5.09	1	NA	1	.1	07/06/0619:34	NA	AG06-05	AG06-01	ICG002W	NA	NA
OC2-PMW12-0-1	G019-01	.686J	1	NA	1	.1	07/06/0621:14	NA	AG06-10	AG06-01	ICG002W	07/06/06	07/06/06
OC2-PMW13B-0-2	G019-05	.79J	1	NA	1	.1	07/06/0621:31	NA	AG06-11	AG06-01	ICG002W	07/06/06	07/06/06
OC2-PMW13B-1-3	G019-06	.725J	1	NA	1	.1	07/06/0621:47	NA	AG06-12	AG06-01	ICG002W	07/06/06	07/06/06

METHOD 300.0
CHLORIDE

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G019

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	5.1	1	NA	1	.1	07/07/0620:34	NA	AG07-04	AG07-01	ICG004W	NA	NA
LCD1W	ICG004WC	5.09	1	NA	1	.1	07/07/0620:51	NA	AG07-05	AG07-01	ICG004W	NA	NA
OC2-PMW12-0-1	G019-01	112	20	NA	20	2	07/08/0600:59	NA	AG07-20	AG07-13	ICG004W	07/06/06	07/06/06
OC2-PMW13B-0-2	G019-05	122	50	NA	50	5	07/08/0601:16	NA	AG07-21	AG07-13	ICG004W	07/06/06	07/06/06
OC2-PMW13B-1-3	G019-06	121	50	NA	50	5	07/08/0601:32	NA	AG07-22	AG07-13	ICG004W	07/06/06	07/06/06

METHOD 300.0
FLUORIDE

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G019

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	ICG002WB	ND	1	NA	.1	.05	07/06/0619:01	NA	AG06-03	AG06-01	ICG002W	NA	NA
LCS1W	ICG002WL	1.85	1	NA	.1	.05	07/06/0619:17	NA	AG06-04	AG06-01	ICG002W	NA	NA
LCD1W	ICG002WC	1.83	1	NA	.1	.05	07/06/0619:34	NA	AG06-05	AG06-01	ICG002W	NA	NA
OC2-PMW12-0-1	G019-01	.41	1	NA	.1	.05	07/06/0621:14	NA	AG06-10	AG06-01	ICG002W	07/06/06	07/06/06
OC2-PMW13B-0-2	G019-05	.666	1	NA	.1	.05	07/06/0621:31	NA	AG06-11	AG06-01	ICG002W	07/06/06	07/06/06
OC2-PMW13B-1-3	G019-06	.715	1	NA	.1	.05	07/06/0621:47	NA	AG06-12	AG06-01	ICG002W	07/06/06	07/06/06

6816

METHOD 300.0
NITRATE-N

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G019

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	ICG002WB	ND	1	NA	.1	.05	07/06/0619:01	NA	AG06-03	AG06-01	ICG002W	NA	NA
LCS1W	ICG002WL	1.94	1	NA	.1	.05	07/06/0619:17	NA	AG06-04	AG06-01	ICG002W	NA	NA
LCD1W	ICG002WC	1.95	1	NA	.1	.05	07/06/0619:34	NA	AG06-05	AG06-01	ICG002W	NA	NA
OC2-PMW12-0-1	G019-01	4.62	1	NA	.1	.05	07/06/0621:14	NA	AG06-10	AG06-01	ICG002W	07/06/06	07/06/06
MBLK2W	ICG004WB	ND	1	NA	.1	.05	07/07/0620:17	NA	AG07-03	AG07-01	ICG004W	NA	NA
LCS2W	ICG004WL	1.98	1	NA	.1	.05	07/07/0620:34	NA	AG07-04	AG07-01	ICG004W	NA	NA
LCD2W	ICG004WC	1.98	1	NA	.1	.05	07/07/0620:51	NA	AG07-05	AG07-01	ICG004W	NA	NA
OC2-PMW13B-0-2	G019-05	8.34	5	NA	.5	.25	07/07/0621:07	NA	AG07-06	AG07-01	ICG004W	07/06/06	07/06/06
OC2-PMW13B-1-3	G019-06	8.35	5	NA	.5	.25	07/07/0621:24	NA	AG07-07	AG07-01	ICG004W	07/06/06	07/06/06

METHOD 300.0
NITRITE-N

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G019

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	ICG002WB	ND	1	NA	.1	.05	07/06/0619:01	NA	AG06-03	AG06-01	ICG002W	NA	NA
LCS1W	ICG002WL	2.01	1	NA	.1	.05	07/06/0619:17	NA	AG06-04	AG06-01	ICG002W	NA	NA
LCD1W	ICG002WC	2.03	1	NA	.1	.05	07/06/0619:34	NA	AG06-05	AG06-01	ICG002W	NA	NA
OC2-PMW12-0-1	G019-01	.0881J	1	NA	.1	.05	07/06/0621:14	NA	AG06-10	AG06-01	ICG002W	07/06/06	07/06/06
OC2-PMW13B-0-2	G019-05	ND	1	NA	.1	.05	07/06/0621:31	NA	AG06-11	AG06-01	ICG002W	07/06/06	07/06/06
OC2-PMW13B-1-3	G019-06	ND	1	NA	.1	.05	07/06/0621:47	NA	AG06-12	AG06-01	ICG002W	07/06/06	07/06/06

METHOD 300.0
ORTHOPHOSPHATE-P

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G019

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	ICG002WB	ND	1	NA	1	.25	07/06/0619:01	NA	AG06-03	AG06-01	ICG002W	NA	NA
LCS1W	ICG002WL	5.39	1	NA	1	.25	07/06/0619:17	NA	AG06-04	AG06-01	ICG002W	NA	NA
LCD1W	ICG002WC	5.42	1	NA	1	.25	07/06/0619:34	NA	AG06-05	AG06-01	ICG002W	NA	NA
OC2-PMW12-0-1	G019-01	.257J	1	NA	1	.25	07/06/0621:14	NA	AG06-10	AG06-01	ICG002W	07/06/06	07/06/06
OC2-PMW13B-0-2	G019-05	ND	1	NA	1	.25	07/06/0621:31	NA	AG06-11	AG06-01	ICG002W	07/06/06	07/06/06
OC2-PMW13B-1-3	G019-06	ND	1	NA	1	.25	07/06/0621:47	NA	AG06-12	AG06-01	ICG002W	07/06/06	07/06/06

METHOD 300.0
SULFATE

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G019

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	4.86	1	NA	1	.25	07/07/0620:34	NA	AG07-04	AG07-01	ICG004W	NA	NA
LCD1W	ICG004WC	4.85	1	NA	1	.25	07/07/0620:51	NA	AG07-05	AG07-01	ICG004W	NA	NA
OC2-PMW12-0-1	G019-01	177	20	NA	20	5	07/08/0600:59	NA	AG07-20	AG07-13	ICG004W	07/06/06	07/06/06
OC2-PMW13B-0-2	G019-05	452	50	NA	50	12.5	07/08/0601:16	NA	AG07-21	AG07-13	ICG004W	07/06/06	07/06/06
OC2-PMW13B-1-3	G019-06	448	50	NA	50	12.5	07/08/0601:32	NA	AG07-22	AG07-13	ICG004W	07/06/06	07/06/06

QC SUMMARIES

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G019
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG002WB	ICG002WL	ICG002WC		
LAB FILE ID:	AG06-03	AG06-04	AG06-05		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/06/0619:01	07/06/0619:17	07/06/0619:34	DATE RECEIVED:	NA
PREP. BATCH:	ICG002W	ICG002W	ICG002W		
CALIB. REF:	AG06-01	AG06-01	AG06-01		

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	5.09	102	5	5.09	102	0	90-110	20

0025

6

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G019
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 (%)
Chloride-Cl	ND	5	5.1	102	5	5.09	102	0	90-110	20

6626

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G019
METHOD: EPA 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG002WB	ICG002WL	ICG002WC		
LAB FILE ID:	AG06-03	AG06-04	AG06-05		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/06/0619:01	07/06/0619:17	07/06/0619:34	DATE RECEIVED:	NA
PREP. BATCH:	ICG002W	ICG002W	ICG002W		
CALIB. REF:	AG06-01	AG06-01	AG06-01		

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	1.85	93	2	1.83	91	2	90-110	20

0027

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G019
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG002WB	ICG002WL	ICG002WC		
LAB FILE ID:	AG06-03	AG06-04	AG06-05		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/06/0619:01	07/06/0619:17	07/06/0619:34	DATE RECEIVED:	NA
PREP. BATCH:	ICG002W	ICG002W	ICG002W		
CALIB. REF:	AG06-01	AG06-01	AG06-01		

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	1.94	97	2	1.95	97	0	90-110	20

8028

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G019
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK2W				
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.: 06G019
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG002WB	ICG002WL	ICG002WC		
LAB FILE ID:	AG06-03	AG06-04	AG06-05		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/06/0619:01	07/06/0619:17	07/06/0619:34	DATE RECEIVED:	NA
PREP. BATCH:	ICG002W	ICG002W	ICG002W		
CALIB. REF:	AG06-01	AG06-01	AG06-01		

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	2.01	101	2	2.03	102	1	90-110	20

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G019
METHOD: METHOD 300.0

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	ICG002WB	ICG002WL	ICG002WC		
LAB FILE ID:	AG06-03	AG06-04	AG06-05		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/06/0619:01	07/06/0619:17	07/06/0619:34	DATE RECEIVED:	NA
PREP. BATCH:	ICG002W	ICG002W	ICG002W		
CALIB. REF:	AG06-01	AG06-01	AG06-01		

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	5.39	108	5	5.42	108	1	90-110	20

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G019
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 (%)
Sulfate	ND	5	4.86	97	5	4.85	97	0	90-110	20

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G019**

METHOD 314.0
PERCHLORATE

Three (3) water samples were received on 07/06/06 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 MRL.

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 314.0
PERCHLORATE

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G019

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-PMW12-0-1	G019-01	1.11J	1	NA	5	.5	07/18/0621:06	NA	JG18006	JG18001	PCG001W	07/06/06	07/06/06
OC2-PMW13B-0-2	G019-05	2.72J	1	NA	5	.5	07/18/0621:36	NA	JG18007	JG18001	PCG001W	07/06/06	07/06/06
OC2-PMW13B-1-3	G019-06	3.42J	1	NA	5	.5	07/18/0621:56	NA	JG18008	JG18001	PCG001W	07/06/06	07/06/06

QC SUMMARIES

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G019
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

9937

6

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G019**

METHOD 335.2
TOTAL CYANIDE

Three (3) water samples were received on 07/06/06 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 G019-01 was analyzed for duplicate. %RPD was within QC limit.

5. **Matrix Spike**

   Sample G019-01 was spiked. %Recovery was within QC limit.

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. : 06G019

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	CNG003WB	ND	1	NA	.01	.005	07/12/0614:45	07/12/0611:30	CNG003-05	CNG003-01	CNG003W	NA	07/12/06
LCS1W	CNG003WL	.0958	1	NA	.01	.005	07/12/0614:45	07/12/0611:30	CNG003-06	CNG003-01	CNG003W	NA	07/12/06
LCD1W	CNG003WC	.097	1	NA	.01	.005	07/12/0614:45	07/12/0611:30	CNG003-07	CNG003-01	CNG003W	NA	07/12/06
OC2-PMW12-0-1	G019-01	.0057J	1	NA	.01	.005	07/12/0614:48	07/12/0611:30	CNG003-12	CNG003-01	CNG003W	07/06/06	07/06/06
OC2-PMW12-0-1DUP	G019-01D	.0057J	1	NA	.01	.005	07/12/0614:48	07/12/0611:30	CNG003-15	CNG003-13	CNG003W	07/06/06	07/06/06
OC2-PMW12-0-1MS	G019-01M	.104	1	NA	.01	.005	07/12/0614:49	07/12/0611:30	CNG003-16	CNG003-13	CNG003W	07/06/06	07/06/06
OC2-PMW13B-0-2	G019-05	.0052J	1	NA	.01	.005	07/12/0614:49	07/12/0611:30	CNG003-17	CNG003-13	CNG003W	07/06/06	07/06/06
OC2-PMW13B-1-3	G019-06	.0069J	1	NA	.01	.005	07/12/0614:49	07/12/0611:30	CNG003-18	CNG003-13	CNG003W	07/06/06	07/06/06

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

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

BATCH NO.: 06G019
SAMPLE ID: LCS1W/LCD1W
CONTROL NO.: CNG003WL/C

DATE RECEIVED: 07/12/06
DATE EXTRACTED: 07/12/06 11:30
DATE ANALYZED: 07/12/06 14:45/14:45

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	.0958	96	.1	.097	97	1	80-120	20

0103

EMAX QUALITY CONTROL DATA
MS ANALYSIS

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

BATCH NO.: 06G019
SAMPLE ID: OC2-PMW12-0-1MS
CONTROL NO.: G019-01M

DATE RECEIVED: 07/06/06
DATE EXTRACTED: 07/12/06 11:30
DATE ANALYZED: 07/12/06 14:49

ACCESSION:

PARAMETER	SMPL RSLT (mg/L)	SPIKE AMT (mg/L)	MS RSLT (mg/L)	MS % REC	QC LIMIT (%)
Cyanide	.0057J	.1	.104	98	75-125

EMAX QUALITY CONTROL DATA
DUPLICATE ANALYSIS

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

BATCH NO.: 06G019
SAMPLE ID: OC2-PMW12-0-1DUP
CONTROL NO.: G019-01D

DATE RECEIVED: 07/06/06
DATE EXTRACTED: 07/12/06 11:30
DATE ANALYZED: 07/12/06 14:48

ACCESSION:

PARAMETER	SAMPLE (mg/L)	DUP. SAMPLE (mg/L)	RPD (%)	RPD LIMIT (%)
Cyanide	.0057J	.0057J	NA	20

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G019**

METHOD 351.3
TKN

Three (3) water samples were received on 07/06/06 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. : 06G019

Matrix : WATER
Instrument ID : 170

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	06/12/06
LCS1W	KNG002WL	1.12	1	NA	1	.035	07/17/0611:18	07/12/0610:00	KNG002-14	KNG002-09	KNG002W	NA	06/12/06
LCD1W	KNG002WC	.968J	1	NA	1	.035	07/17/0611:19	07/12/0610:00	KNG002-15	KNG002-09	KNG002W	NA	06/12/06
OC2-PMW12-0-1	G019-01	.639J	1	NA	1	.035	07/17/0611:24	07/12/0610:00	KNG002-27	KNG002-21	KNG002W	07/06/06	07/06/06
OC2-PMW13B-0-2	G019-05	.342J	1	NA	1	.035	07/17/0611:24	07/12/0610:00	KNG002-28	KNG002-21	KNG002W	07/06/06	07/06/06
OC2-PMW13B-1-3	G019-06	.185J	1	NA	1	.035	07/17/0611:25	07/12/0610:00	KNG002-29	KNG002-21	KNG002W	07/06/06	07/06/06

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

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

BATCH NO.: 06G019
SAMPLE ID: LCS1W/LCD1W
CONTROL NO.: KNG002WL/C

DATE RECEIVED: 06/12/06
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: **06G019**

METHOD 415.1
TOC

Three (3) water samples were received on 07/06/06 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. : 06G019

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	TCG013WB	ND	1	NA	2	.5	07/18/0604:52	NA	TCG012-33	TCG012-26	TCG013W	NA	NA
LCS1W	TCG013WL	26.1	1	NA	2	.5	07/18/0605:02	NA	TCG012-34	TCG012-26	TCG013W	NA	NA
LCD1W	TCG013WC	26.1	1	NA	2	.5	07/18/0605:12	NA	TCG012-35	TCG012-26	TCG013W	NA	NA
OC2-PMW12-0-1	G019-01	1.44J	1	NA	2	.5	07/18/0605:22	NA	TCG012-36	TCG012-26	TCG013W	07/06/06	07/06/06
OC2-PMW13B-0-2	G019-05	.686J	1	NA	2	.5	07/18/0605:31	NA	TCG012-37	TCG012-26	TCG013W	07/06/06	07/06/06
OC2-PMW13B-1-3	G019-06	.65J	1	NA	2	.5	07/18/0606:01	NA	TCG012-40	TCG012-38	TCG013W	07/06/06	07/06/06

8

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: ARCADIS
PROJECT: OMEGA CHEMICAL
BATCH NO.: 06G019
METHOD: METHOD 415.1

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	TCG013WB	TCG013WL	TCG013WC		
LAB FILE ID:	TCG012-33	TCG012-34	TCG012-35		
DATE EXTRACTED:	NA	NA	NA	DATE COLLECTED:	NA
DATE ANALYZED:	07/18/0604:52	07/18/0605:02	07/18/0605:12	DATE RECEIVED:	NA
PREP. BATCH:	TCG013W	TCG013W	TCG013W		
CALIB. REF:	TCG012-26	TCG012-26	TCG012-26		

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	26.1	105	25	26.1	105	0	80-120	20

CASE NARRATIVE

CLIENT: **ARCADIS**

PROJECT: **OMEGA CHEMICAL**

SDG: **06G019**

METHOD 370.1
DISSOLVED SILICA

Three (3) water samples were received on 07/06/06 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**

   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.

METHOD 370.1
DISSOLVED SILICA

Client : ARCADIS
Project : OMEGA CHEMICAL
Batch No. : 06G019

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-PMW12-0-1	G019-01R	36.3	2	NA	4	2	07/19/0616:04	NA	SIG004-14	SIG004-08	SIG004W	07/06/06	07/06/06
OC2-PMW13B-0-2	G019-05R	50.0	10	NA	20	10	07/19/0616:06	NA	SIG004-16	SIG004-08	SIG004W	07/06/06	07/06/06
OC2-PMW13B-1-3	G019-06R	48.8	10	NA	20	10	07/19/0616:08	NA	SIG004-18	SIG004-08	SIG004W	07/06/06	07/06/06

0558

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

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

BATCH NO.: 06G019
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

LABORATORY REPORT FOR

ARCADIS

OMEGA CHEMICAL

N-NITROSODIMETHYLAMINE BY GCMS

SDG#: 06G019

Your Project #: 06G019
Site: ARCADIS OMEGA

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

Report Date: 2006/07/28

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A669062
Received: 2006/07/11, 12:30

Sample Matrix: Water
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Nitrosamines in Water by HRMS	3	2006/07/13	2006/07/27	Ont SOP 0121, 0710	EPA 607 / 1625 mod

MAXXAM ANALYTICS INC.

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

MAJ/maj
encl.

Total cover pages: 1

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

Maxxam Job #: A669062
Report Date: 2006/07/28

EMAX LABORATORIES INC
Client Project #: 06G019
Project name: ARCADIS OMEGA
Sampler Initials:

SEMI-VOLATILE ORGANICS BY HRMS (WATER)

Maxxam ID		N04435	N04436	N04437		
Sampling Date		2006/07/06 11:00	2006/07/06 15:00	2006/07/06 15:00		
	Units	**OC2-PMW12-0-1**	**OC2-PMW13B-0-2**	**OC2-PMW13B-1-3**	**RDL**	**QC Batch**
N-Nitrosodimethylamine	ng/L	3.26	ND	ND	2.00	1010828
Surrogate Recovery (%)						
D6-N-Nitrosodimethylamine	%	36	37	35		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 #: A669062
Report Date: 2006/07/28

EMAX LABORATORIES INC
Client Project #: 06G019
Project name: ARCADIS OMEGA
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 #: 06G019
P.O. #:
Project name: ARCADIS OMEGA

Quality Assurance Report

Maxxam Job Number: GA669062

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 #: A669062
Report Date: 2006/07/28

EMAX LABORATORIES INC
Client Project #: 06G019
Project name: ARCADIS OMEGA
Sampler Initials:

SEMI-VOLATILE ORGANICS BY HRMS (WATER)

Maxxam ID		N04435	N04436	N04437		
Sampling Date		7/6/06 11:00	7/6/06 15:00	7/6/06 15:00		
	Units	**OC2-PMW12-0-1**	**OC2-PMW13B-0-2**	**OC2-PMW13B-1-3**	**RDL**	**QC Batch**
N-Nitrosodimethylamine	ng/L	3.26	ND	ND	2	1010828
Surrogate Recovery (%)						
D6-N-Nitrosodimethylamine	%	36	37	35		1010828

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