CHANEY, WALTON & McCALL LLC

35 Embarcadero Cove
Oakland, Ca 94606-5203
510-534-5100/510-534-5528 FAX
cwandm@aol.com

STID 3191

RESPONSE TO 5/11/99

April 8, 1999

Amir K. Gholami, REHS
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Site located at 2584 Grant Avenue, San Lorenzo, CA.

Dear Mr. Gholami:

At the request of Thompson and Thompson Fence Co., Chaney, Walton & McCall (CW&M) are submitting this letter report containing information regarding groundwater monitoring located at 2584 Grant Avenue, San Lorenzo, California (the Site). The information within this report is data only, therefore no conclusions or interpretations are implied.

Groundwater Elevation Readings

Groundwater elevation readings were performed on each of the three monitoring wells on site prior to well purging. Each well casing has been surveyed to an established benchmark and water levels in each well were measured to the nearest hundredth of a foot. A groundwater elevation table and gradient map are included as figure l. Attached is the survey report of the on-site wells to an existing benchmark (MSL).

Sample Collection

Field work at the site was conducted on January 21, 1999. The three onsite wells (MW-1, MW-2 and MW-3) were purged and then sampled. Each sample was analyzed for the presence of BTEX, TPHg and MTBE. Groundwater samples were obtained by purging the wells a minimum of three casing volumes. The 2" diameter casing wells were purged using disposable bailers. Hydrogen ion (pH), conductivity, and temperature were monitored throughout the purging process. Field data readings recorded during the purging process are on file at the CW&M office. The samples were collected into 40 milliliter VOAs preserved with hydrochloric acid and stored in a chilled cooler (4'C) and transported under chain of custody to a Certified Laboratory.

Note: Due to very slow recharge rates at the site, only three bore volumes were removed from each monitoring well prior to sample collection. Typically, four bore volumes would be removed from each monitoring well prior to sample collection.

Groundwater retrieved during the purging of the monitoring wells was stored into a fifty-five gallon drum. The drum of groundwater bailings is stored on site.

Analysis

Each sample was analyzed for BTEX, TPHg and MTBE by Curtis & Tompkins, Ltd. Laboratories located in Berkeley, California. Analytical results are located in the attached report dated February 3, 1999.

Should you have any questions regarding this report, please do not hesitate to contact me at (510) 534-5100.

Sincerely,

Chaney, Walton & McCall LLC

Michael W. Swaney
Principal

MWS/st

enclosures

CHANEY, WALTON & McCALL LLC

35 Embarcadero Cove
Oakland, Ca 94606-5209
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April 8, 1999

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1131 Harbor Bay Parkway, Suite 250
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Sincerely,

Chaney, Walton & McCall LLC

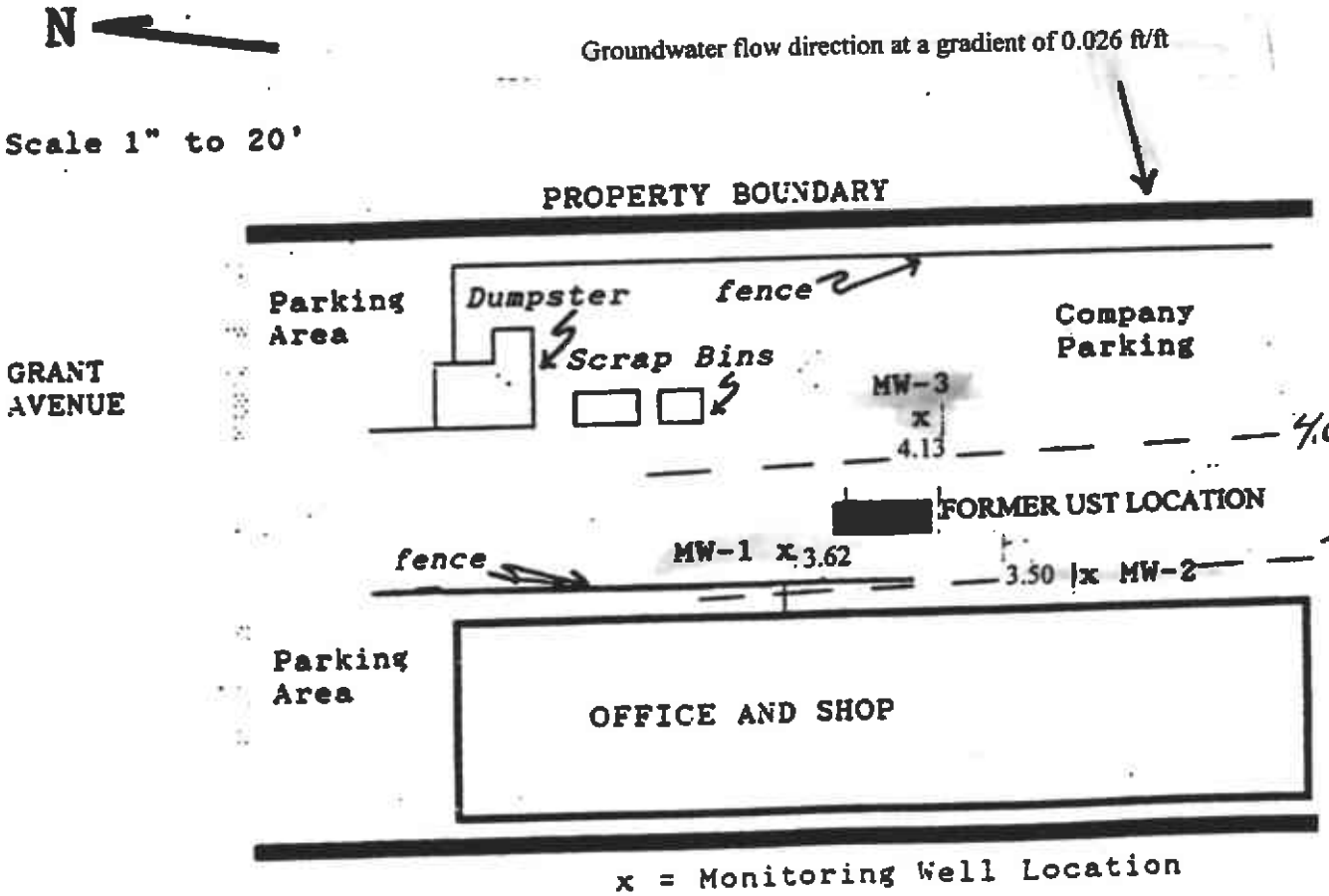
Michael W. Swaney
Principal

MWS/st

enclosures

Figure 1

MONITORING WELL LOCATION AND GROUNDWATER ELEVATION CONTOUR
2584 GRANT AVENUE, SAN LORENZO, CALIFORNIA
MEASURED: JANUEARY 21, 1999



WELL	SURVEYED CASING ELEVATON (MSL)	DEPTH TO WATER (ft)	GROUNDWATER ELEVATION (ft)
MW-1	8.76	5.14	3.62
MW-2	8.78	5.28	3.50
MW-3	8.63	4.50	4.13

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900, Fax (510) 486-0532

ANALYTICAL REPORT

Prepared for:

Chaney,Walton & McCall
No.35 Embarcadero Cove
Oakland, CA 94606-5203

Date: 03-FEB-99
Lab Job Number: 137630
Project ID: N/A
Location: Thompson & Thompson Fence

Reviewed by: _____

Reviewed by: _____

CHAIN OF CUSTODY FORM

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

C&T LOGIN # 137630

Sampler: Daniel Self

Project No:

Report To: Mike Sweeney

Project Name: Thompson + Thompson Fence Co

Company: Cheney, Walton + McCall

Project P.O.:

Telephone: (510) 534-5700

Turnaround Time: Standard

Fax: (510) 534-5525

Analyses: BTEX, TPHg + MTBE

Lab Number	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCl	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE		Field Notes	BTEX, TPHg + MTBE										
	MW-1	1/21 1445		X		3	X					Monitoring Well	X										
	MW-2	1/21 1455		X		3	X					↓	X										
	MW-3	1/21 1510		X		3	X					↓	X										

Laboratory Use

For Laboratory Use

Notes:

RELINQUISHED BY:		RECEIVED BY:	
Daniel Self	1/22/99 10:15 DATE/TIME	[illegible]	1/22/99 1015 DATE/TIME
	DATE/TIME		DATE/TIME
	DATE/TIME		DATE/TIME

Signature on this form constitutes a firm Purchase Order for the services requested above.

TVH-Total Volatile Hydrocarbons

Client: Chaney,Walton & McCall
Location: Thompson & Thompson Fence

Analysis Method: EPA 8015M
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
137630-001	MW-1	46006	01/21/99	01/30/99	01/30/99	
137630-002	MW-2	46044	01/21/99	02/03/99	02/03/99	
137630-003	MW-3	46006	01/21/99	01/30/99	01/30/99	

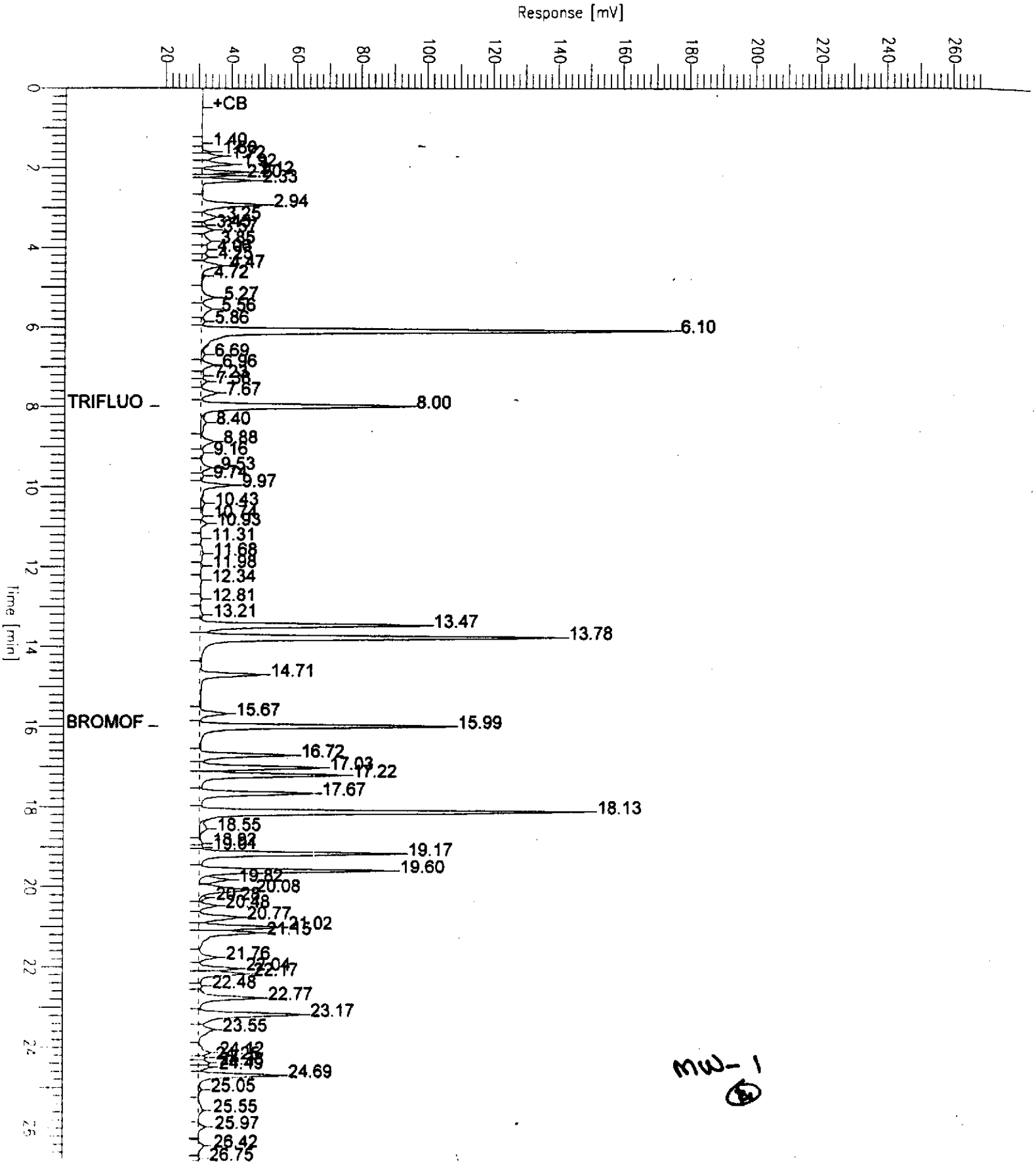
Matrix: Water

Analyte	Units	137630-001	137630-002	137630-003
Diln Fac:		20	10	1
Gasoline C7-C12	ug/L	24000	12000	<50
Surrogate				
Trifluorotoluene	%REC	67	80	101
Bromofluorobenzene	%REC	108	105	114

Chromatogram

Sample Name : D,137630-01A,46006
FileName : G:\GC05\DATA\029G009.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: -1.0 Plot Offset: 18 mV

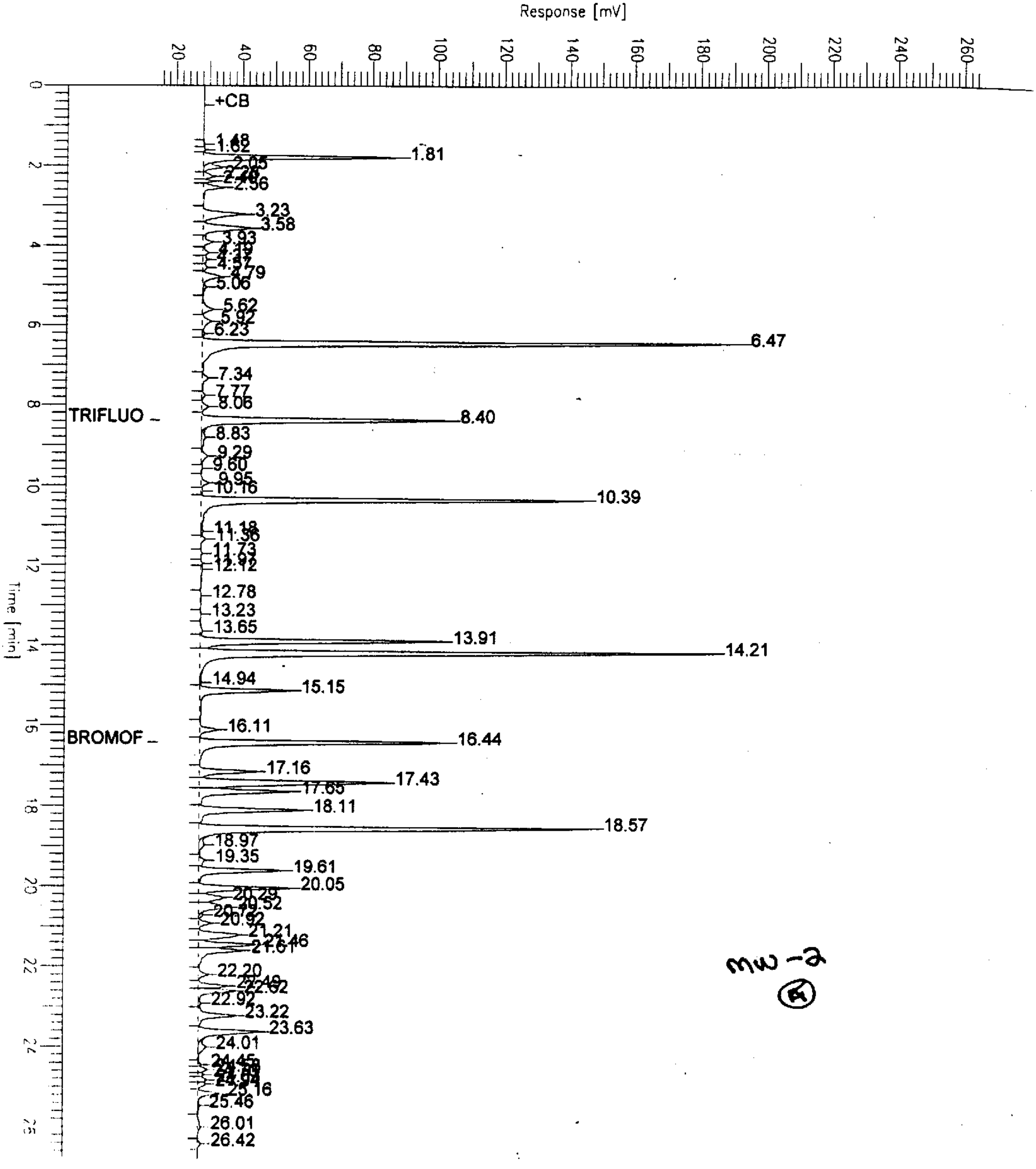
Sample #: PH<2 1:20 Page 1 of 1
Date : 1/30/99 07:11 AM
Time of Injection: 1/30/99 06:43 AM
Low Point : 18.39 mV High Point : 268.39 mV
Plot Scale: 250.0 mV



MW-1

Chromatogram

Sample Name : RR,137630-002A,46044,		Sample #: pH=1	Page 1 of 1
FileName : G:\GC05\DATA\033G034.raw		Date : 2/3/99 10:18 AM	
Method : TVHBTXE		Time of Injection: 2/3/99 09:50 AM	
Start Time : 0.00 min	End Time : 26.80 min	Low Point : 15.45 mV	High Point : 265.45 mV
Scale Factor: -1.0	Plot Offset: 15 mV	Plot Scale: 250.0 mV	



mw-2
(A)

BATCH QC REPORT

Curtis & Tompkins, Ltd.

TVH-Total Volatile Hydrocarbons

Client: Chaney,Walton & McCall
Location: Thompson & Thompson Fence

Analysis Method: EPA 8015M
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 46006
Units: ug/L
Diln Fac: 1

Prep Date: 01/29/99
Analysis Date: 01/29/99

MB Lab ID: QC89921

Analyte	Result
Gasoline C7-C12	<50

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	95	59-162
Bromofluorobenzene	107	59-162

TVH-Total Volatile Hydrocarbons

Client:	Chaney,Walton & McCall	Analysis Method:	EPA 8015M
Location:	Thompson & Thompson Fence	Prep Method:	EPA 5030

LABORATORY CONTROL SAMPLE

Matrix:	Water	Prep Date:	01/29/99
Batch#:	46006	Analysis Date:	01/29/99
Units:	ug/L		
Diln Fac:	1		

LCS Lab ID: QC89920

Analyte	Result	Spike Added	%Rec #	Limits
Gasoline C7-C12	2030	2000	102	80-119
Surrogate	**%Rec**	**Limits**		
Trifluorotoluene	126	59-162		
Bromofluorobenzene	114	59-162		

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 1 outside limits

TVH-Total Volatile Hydrocarbons

Client: Chaney,Walton & McCall
Location: Thompson & Thompson Fence
Analysis Method: EPA 8015M
Prep Method: EPA 5030

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID: ZZZZZZ
Lab ID: 137677-005
Matrix: Water
Batch#: 46006
Units: ug/L
Diln Fac: 1
Sample Date: 01/26/99
Received Date: 01/26/99
Prep Date: 01/30/99
Analysis Date: 01/30/99

MS Lab ID: QC89924

Analyte	Spike Added	Sample	MS	%Rec #	Limits
Gasoline C7-C12	2000	<50	1988	99	71-131

Surrogate	%Rec	Limits
Trifluorotoluene	106	59-162
Bromofluorobenzene	113	59-162

MSD Lab ID: QC89925

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
Gasoline C7-C12	2000	2105	105	71-131	6	26

Surrogate	%Rec	Limits
Trifluorotoluene	93	59-162
Bromofluorobenzene	111	59-162

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

TVH-Total Volatile Hydrocarbons

Client:	Chaney,Walton & McCall	Analysis Method:	EPA 8015M
Location:	Thompson & Thompson Fence	Prep Method:	EPA 5030

METHOD BLANK

Matrix:	Water	Prep Date:	02/02/99
Batch#:	46044	Analysis Date:	02/02/99
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC90060

Analyte	Result
Gasoline C7-C12	<50

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	98	59-162
Bromofluorobenzene	117	59-162

Lab #: 137630

BATCH QC REPORT

Curtis & Tompkins, Ltd. 1

TVH-Total Volatile Hydrocarbons

Client:	Chaney,Walton & McCall	Analysis Method:	EPA 8015M
Location:	Thompson & Thompson Fence	Prep Method:	EPA 5030

LABORATORY CONTROL SAMPLE

Matrix:	Water	Prep Date:	02/02/99
Batch#:	46044	Analysis Date:	02/02/99
Units:	ug/L		
Diln Fac:	1		

LCS Lab ID: QC90059

Analyte	Result	Spike Added	%Rec #	Limits
Gasoline C7-C12	1867	2000	93	80-119

Surrogate	%Rec	Limits
Trifluorotoluene	116	59-162
Bromofluorobenzene	98	59-162

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 1 outside limits

TVH-Total Volatile Hydrocarbons

Client: Chaney,Walton & McCall
Location: Thompson & Thompson Fence
Analysis Method: EPA 8015M
Prep Method: EPA 5030

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID: ZZZZZZ
Lab ID: 137755-002
Matrix: Water
Batch#: 46044
Units: ug/L
Diln Fac: 1
Sample Date: 01/31/99
Received Date: 02/01/99
Prep Date: 02/03/99
Analysis Date: 02/03/99

MS Lab ID: QC90063

Analyte	Spike Added	Sample	MS	%Rec #	Limits
Gasoline C7-C12	2000	<50	1749	87	71-131
Surrogate	**%Rec**	**Limits**			
Trifluorotoluene	119	59-162			
Bromofluorobenzene	107	59-162			

MSD Lab ID: QC90064

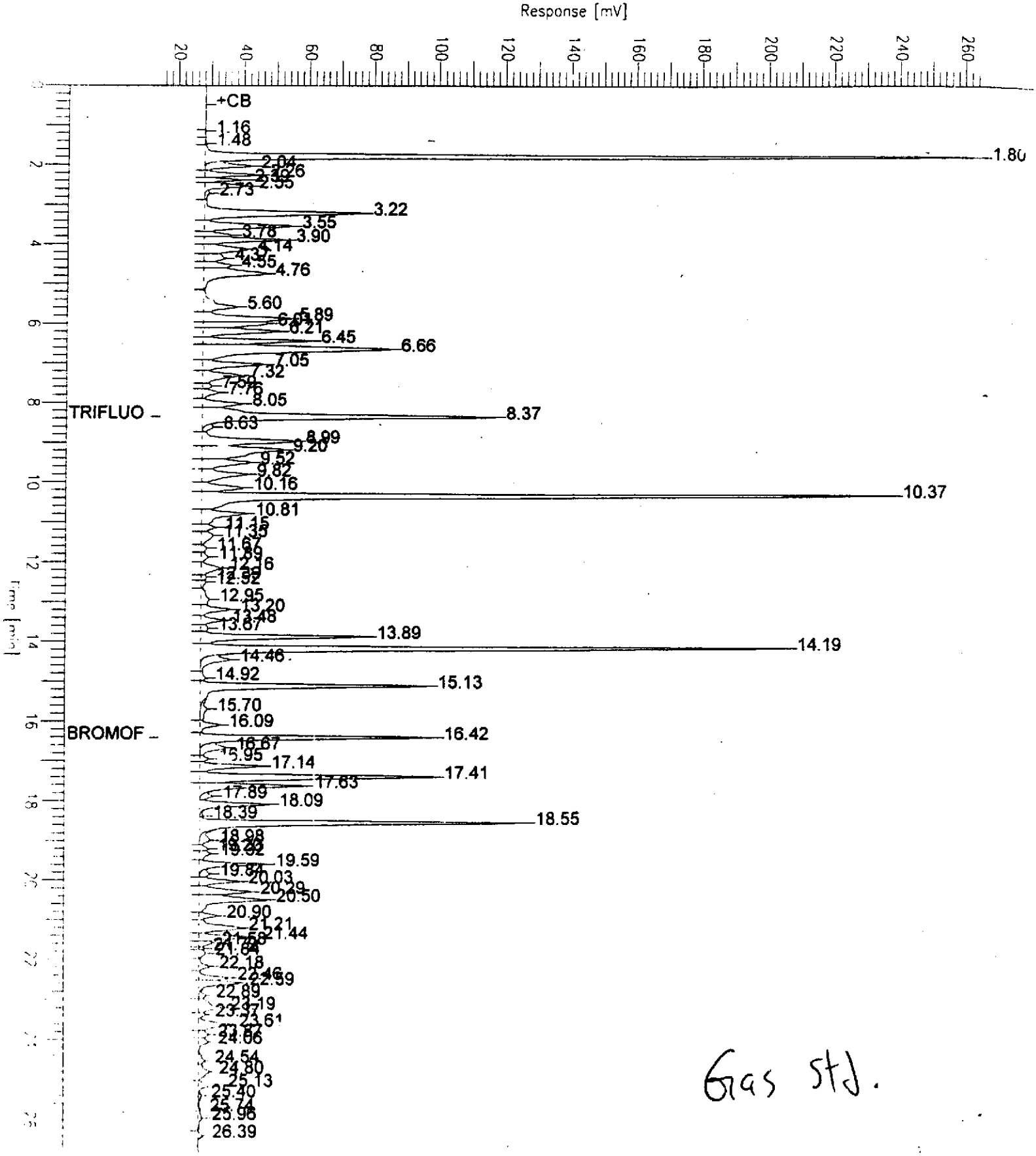
Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
Gasoline C7-C12	2000	1832	92	71-131	5	26
Surrogate	**%Rec**	**Limits**				
Trifluorotoluene	124	59-162				
Bromofluorobenzene	109	59-162				

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

Chromatogram

Sample Name : CCV/LCS,QC90059,98WS6813,46044,
FileName : G:\GC05\DATA\033G001.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: -1.0 Plot Offset: 15 mV

Sample #: GAS Page 1 of 1
Date : 2/2/99 05:00 PM
Time of Injection: 2/2/99 10:46 AM
Low Point : 15.14 mV High Point : 265.14 mV
Plot Scale: 250.0 mV

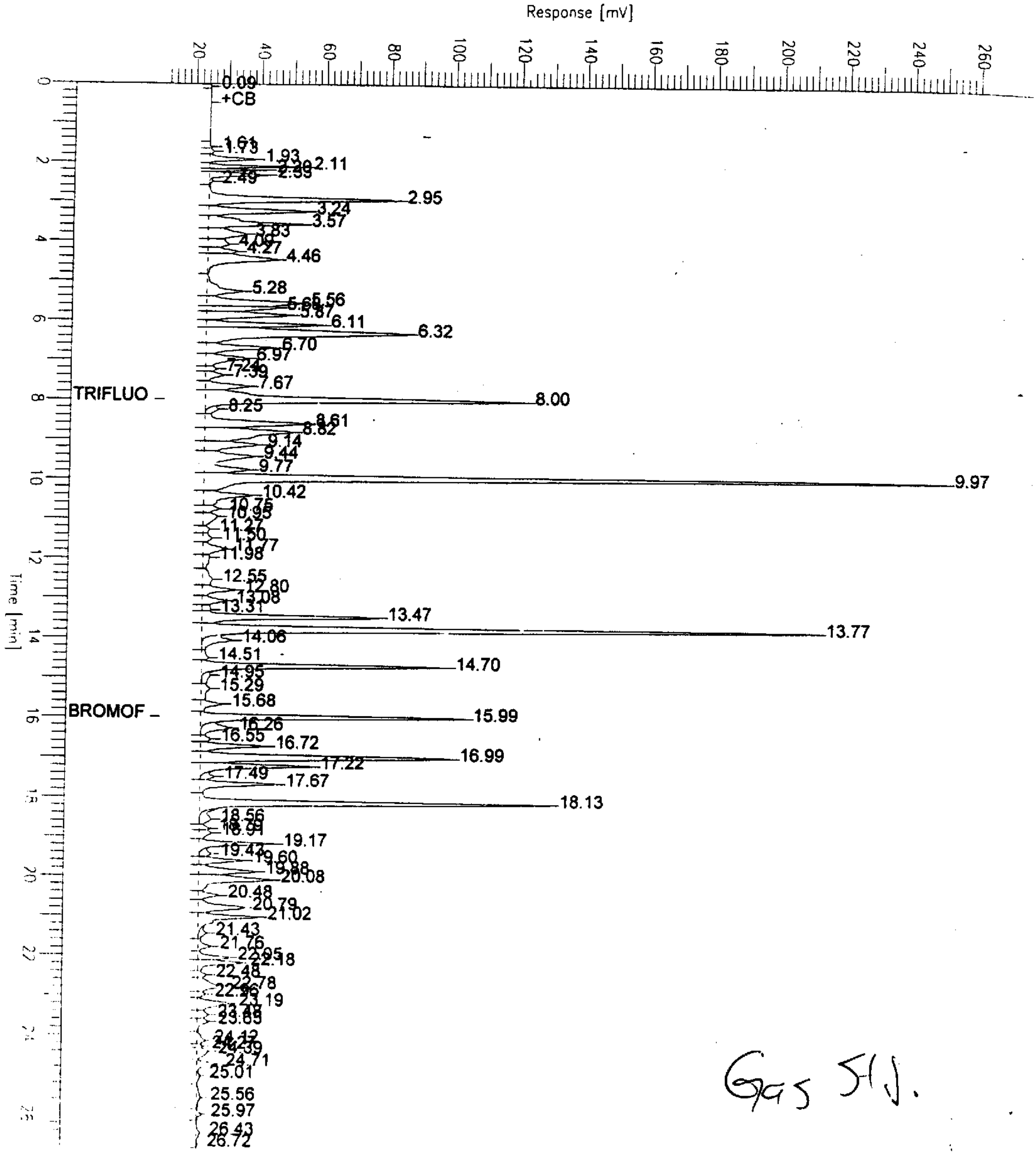


Gas std.

Chromatogram

Sample Name : CCV/LCS,QC89920,98WS6813,46006
FileName : g:\gc05\data\028g029.raw
Method : TVHBTXE
Start Time : 0.00 min
End Time : 26.80 min
Scale Factor: -1.0
Plot Offset: 12 mV

Sample #: GAS
Page 1 of 1
Date : 2/1/99 02:03 PM
Time of Injection: 1/29/99 03:05 PM
Low Point : 11.61 mV
High Point : 261.61 mV
Plot Scale: 250.0 mV



BTXE

Client: Chaney, Walton & McCall
Location: Thompson & Thompson Fence

Analysis Method: EPA 8021B
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
137630-001	MW-1	46006	01/21/99	01/30/99	01/30/99	
137630-002	MW-2	46044	01/21/99	02/03/99	02/03/99	
137630-003	MW-3	46006	01/21/99	01/30/99	01/30/99	

Matrix: Water

Analyte	Units	137630-001	137630-002	137630-003
Diln Fac:		20	10	1
MTBE	ug/L	110	300	<2
Benzene	ug/L	1800	1100	<0.5
Toluene	ug/L	120	780	<0.5
Ethylbenzene	ug/L	890	540	<0.5
m,p-Xylenes	ug/L	1500	1100	<[illegible]
o-Xylene	ug/L	240	210	<0.5
Surrogate				
Trifluorotoluene	%REC	62	83	99
Bromofluorobenzene	%REC	108	111	117

BATCH QC REPORT

Curtis & Tompkins, Ltd.

BTXE

Client: Chaney,Walton & McCall
Location: Thompson & Thompson Fence

Analysis Method: EPA 8021B
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 46006
Units: ug/L
Diln Fac: 1

Prep Date: 01/29/99
Analysis Date: 01/29/99

MB Lab ID: QC89921

Analyte	Result
MTBE	<2.0
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylenes	<0.5
o-Xylene	<0.5

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	92	53-124
Bromofluorobenzene	107	41-142

Lab #: 137630

BATCH QC REPORT

Curtis & Tompkins, Ltd.

BTXE

Client: Chaney,Walton & McCall
Location: Thompson & Thompson Fence

Analysis Method: EPA 8021B
Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 46006
Units: ug/L
Diln Fac: 1

Prep Date: 01/29/99
Analysis Date: 01/29/99

BS Lab ID: QC89922

Analyte	Spike Added	BS	%Rec #	Limits
MTBE	20	17.89	89	65-135
Benzene	20	18.71	94	69-109
Toluene	20	19.89	99	72-116
Ethylbenzene	20	20.79	104	67-120
m,p-Xylenes	40	42.41	106	69-117
o-Xylene	20	21.51	108	75-122

Surrogate	%Rec	Limits
Trifluorotoluene	94	53-124
Bromofluorobenzene	113	41-142

BSD Lab ID: QC89923

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
MTBE	20	17.99	90	65-135	1	20
Benzene	20	18.6	93	69-109	1	11
Toluene	20	20.11	101	72-116	1	11
Ethylbenzene	20	20.83	104	67-120	0	12
m,p-Xylenes	40	42.09	105	69-117	1	11
o-Xylene	20	21.54	108	75-122	0	12

Surrogate	%Rec	Limits
Trifluorotoluene	93	53-124
Bromofluorobenzene	110	41-142

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

BATCH QC REPORT

Curtis & Tompkins, Ltd.

BTXE

Client: Chaney,Walton & McCall
Location: Thompson & Thompson Fence

Analysis Method: EPA 8021B
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 46044
Units: ug/L
Diln Fac: 1

Prep Date: 02/02/99
Analysis Date: 02/02/99

MB Lab ID: QC90060

Analyte	Result
MTBE	<2.0
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylenes	<0.5
o-Xylene	<0.5

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	99	53-124
Bromofluorobenzene	107	41-142

BTXE

Client: Chaney,Walton & McCall
Location: Thompson & Thompson Fence
Analysis Method: EPA 8021B
Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 46044
Units: ug/L
Diln Fac: 1
Prep Date: 02/02/99
Analysis Date: 02/02/99

BS Lab ID: QC90061

Analyte	Spike Added	BS	%Rec #	Limits
MTBE	20	19.95	100	65-135
Benzene	20	18.44	92	69-109
Toluene	20	19.43	97	72-116
Ethylbenzene	20	20.56	103	67-120
m,p-Xylenes	40	40.98	102	69-117
o-Xylene	20	21.18	106	75-122

Surrogate	%Rec	Limits
Trifluorotoluene	94	53-124
Bromofluorobenzene	109	41-142

BSD Lab ID: QC90062

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
MTBE	20	20.24	101	65-135	1	20
Benzene	20	18.51	93	69-109	0	11
Toluene	20	19.89	99	72-116	2	11
Ethylbenzene	20	20.74	104	67-120	1	12
m,p-Xylenes	40	41.65	104	69-117	2	11
o-Xylene	20	21.44	107	75-122	1	12

Surrogate	%Rec	Limits
Trifluorotoluene	87	53-124
Bromofluorobenzene	105	41-142

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits