Turbochrom Sequence File : G:\CC04\TVHBTXE\MAR02.SEQ
Created by : AMP on : 3/2/98 06:38 AM
Edited by : MKF on : 3/2/98 03:20 PM
Description : JULIAN DATE OF 061JK
Template for tvhbtxe water sequence = do not overwrite.

Number of Times Edited : 5

Sequence File Header Information:

Number of Rows : 50
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	No fa
1	Sample	IB,39331	061JK	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
2	Sample	CCV/LCS,QC65096	GAS	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
3	Sample	LCS,QC65097,98W	BTXE	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
4	Sample	CCV,98WS5259,39	BTXE	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
5	Sample	IB,39331		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
6	Sample	MB,QC65098,3933		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
7	Sample	MSS,132408-001,		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
8	Sample	MS,QC65099,98WS	BTXE	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
9	Sample	MSD,QC65100,98W	BTXE	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
10	Sample	S,132374-001,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
11	Sample	S,132374-001,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
12	Sample	S,132374-001,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
13	Sample	S,132374-002,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
14	Sample	S,132374-002,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
15	Sample	S,132374-002,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
16	Sample	CCV,98WS5481,39	GAS	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
17	Sample	CCV,98WS5259,39	BTXE	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
18	Sample	IB,39331,		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
19	Sample	S,132404-002,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
20	Sample	S,132404-003,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
21	Sample	S,132404-004,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
22	Sample	S,132408-002,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
23	Sample	S,132408-003,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
24	Sample	S,132408-005,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
25	Sample	S,132443-003,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
26	Sample	S,132443-005,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
27	Sample	S,132443-006,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
28	Sample	S,132443-009,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
29	Sample	CCV,98WS5481,39	GAS	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
30	Sample	CCV,98WS5259,39	BTXE	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
31	Sample	IB,39331,		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
32	Sample	S,132443-012,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
33	Sample	S,132443-013,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
34	Sample	S,132443-015,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
35	Sample	D,132404-001,39		B# 39331 W	5.000	1.000	1.000	5.000	1.000	1.000	0.000	1
36	Sample	D,132404-005,39		B# 39331 W	5.000	1.000	1.000	200.000	1.000	1.000	0.000	1
37	Sample	D,132446-001,39		B# 39331 W	5.000	1.000	1.000	50.000	1.000	1.000	0.000	1
38	Sample	CCV,98WS5481,39	GAS	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
39	Sample	CCV,98WS5259,39	BTXE	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
40	Sample	IB,39331,		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
41	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
42	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
43	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
44	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
45	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
46	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
47	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
48	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
49	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
50	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1

Sequence Process Information - Channel A

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	
1	-	1	1	TVHBTXE	J_091197	J_091197	TVH_W	061J001	061J001		028J001	-	-	-	L
2	-	1	1	TVHBTXE	J_091197	J_091197	TVH_W	061J002	061J002		028J002	-	-	-	L
3	-	1	2	TVHBTXE	J_091197	J_091197	TVH_W	061J003	061J003		028J003	-	-	-	
4	-	1	3	TVHBTXE	J_091197	J_091197	TVH_W	061J004	061J004		028J004	-	-	-	
5	-	1	3	TVHBTXE	J_091197	J_091197	TVH_W	061J005	061J005		028J005	-	-	-	
6	-	1	3	TVHBTXE	J_091197	J_091197	TVH_W	061J006	061J006		028J006	-	-	-	L
7	-	1	4	TVHBTXE	J_091197	J_091197	TVH_W	061J007	061J007		028J007	-	-	-	L
8	-	1	5	TVHBTXE	J_091197	J_091197	TVH_W	061J008	061J008		028J008	-	-	-	L
9	-	1	6	TVHBTXE	J_091197	J_091197	TVH_W	061J009	061J009		028J009	-	-	-	L
10	-	1	8	TVHBTXE	J_091197	J_091197	TVH_W	061J010	061J010		028J010	-	-	-	L
11	-	1	9	TVHBTXE	J_091197	J_091197	TVH_W	061J011	061J011		028J011	-	-	-	L
12	-	1	10	TVHBTXE	J_091197	J_091197	TVH_W	061J012	061J012		028J012	-	-	-	L
13	-	1	11	TVHBTXE	J_091197	J_091197	TVH_W	061J013	061J013		028J013	-	-	-	L
14	-	1	11	TVHBTXE	J_091197	J_091197	TVH_W	061J014	061J014		028J014	-		-	L
15	-	1	12	TVHBTXE	J_091197	J_091197	TVH_W	061J015	061J015		028J015	-	-	-	L
16	-	1	12	TVHBTXE	J_091197	J_091197	TVH_W	061J016	061J016		028J016	-	-	-	L
17	-	1	13	TVHBTXE	J_091197	J_091197	TVH_W	061J017	061J017		028J017	-	-	-	L
18	-	1	13	TVHBTXE	J_091197	J_091197	TVH_W	061J018	061J018		028J018	-	-	-	L
19	-	1	14	TVHBTXE	J_091197	J_091197	TVH_W	061J019	061J019		028J019	-	-	-	L
20	-	1	15	TVHBTXE	J_091197	J_091197	TVH_W	061J020	061J020		028J020	-	-	-	L
21	-	1	15	TVHBTXE	J_091197	J_091197	TVH_W	061J021	061J021		028J021	-	-	-	L
22	-	1	16	TVHBTXE	J_091197	J_091197	TVH_W	061J022	061J022		028J022	-	-	-	L
23	-	1	17	TVHBTXE	J_091197	J_091197	TVH_W	061J023	061J023		028J023	-	-	-	L
24	-	1	18	TVHBTXE	J_091197	J_091197	TVH_W	061J024	061J024		028J024	-	-	-	L
25	-	1	19	TVHBTXE	J_091197	J_091197	TVH_W	061J025	061J025		028J025	-	-	-	L
26	-	1	20	TVHBTXE	J_091197	J_091197	TVH_W	061J026	061J026		028J026	-	-	-	L
27	-	1	21	TVHBTXE	J_091197	J_091197	TVH_W	061J027	061J027		028J027	-	-	-	L
28	-	1	22	TVHBTXE	J_091197	J_091197	TVH_W	061J028	061J028		028J028	-	-	-	L
29	-	1	23	TVHBTXE	J_091197	J_091197	TVH_W	061J029	061J029		028J029	-	-	-	L
30	-	1	24	TVHBTXE	J_091197	J_091197	TVH_W	061J030	061J030		028J030	-	-	-	L
31	-	1	25	TVHBTXE	J_091197	J_091197	TVH_W	061J031	061J031		028J031	-	-	-	L
32	-	1	26	TVHBTXE	J_091197	J_091197	TVH_W	061J032	061J032		028J032	-	-	-	L
33	-	1	7	TVHBTXE	J_091197	J_091197	TVH_W	061J033	061J033		028J033	-	-	-	L
34	-	1	27	TVHBTXE	J_091197	J_091197	TVH_W	061J034	061J034		028J034	-	-	-	L
35	-	1	28	TVHBTXE	J_091197	J_091197	TVH_W	061J035	061J035		028J035	-	-	-	L
36	-	1	29	TVHBTXE	J_091197	J_091197	TVH_W	061J036	061J036		028J036	-	-	-	L
37	-	1	30	TVHBTXE	J_091197	J_091197	TVH_W	061J037	061J037		028J037	-	-	-	
38	-	1	31	TVHBTXE	J_091197	J_091197	TVH_W	061J038	061J038		028J038	-	-	-	
39	-	1	32	TVHBTXE	J_091197	J_091197	TVH_W	061J039	061J039		028J039	-	-	-	
40	-	1	33	TVHBTXE	J_091197	J_091197	TVH_W	061J040	061J040		028J040	-	-	-	L
41	-	1	34	TVHBTXE	J_091197	J_091197	TVH_W	061J041	061J041		028J041	-	-	-	L
42	-	1	35	TVHBTXE	J_091197	J_091197	TVH_W	061J042	061J042		028J042	-	-	-	L
43	-	1	36	TVHBTXE	J_091197	J_091197	TVH_W	061J043	061J043		028J043	-	-	-	L
44	-	1	37	TVHBTXE	J_091197	J_091197	TVH_W	061J044	061J044		028J044	-	-	-	L
45	-	1	38	TVHBTXE	J_091197	J_091197	TVH_W	061J045	061J045		028J045	-	-	-	L
46	-	1	39	TVHBTXE	J_091197	J_091197	TVH_W	061J046	061J046		028J046	-	-	-	L
47	-	1	40	TVHBTXE	J_091197	J_091197	TVH_W	061J047	061J047		028J047	-	-	-	L
48	-	1	41	TVHBTXE	J_091197	J_091197	TVH_W	061J048	061J048		028J048	-	-	-	L
49	-	1	42	TVHBTXE	J_091197	J_091197	TVH_W	061J049	061J049		028J049	-	-	-	L
50	-	1	43	TVHBTXE	J_091197	J_091197	TVH_W	061J050	061J050		028J050	-	-	-	L

Turbochrom Sequence File : G:\GC04\TVHBTXE\MAR02.SEQ
Created by : AMP on : 3/2/98 06:38 AM
Edited by : MKF on : 3/2/98 03:20 PM
[redacted]cription : JULIAN DATE OF 061JK
[redacted]plate for tvhbtxe water sequence = do not overwrite.

Number of Times Edited : 5

Sequence File Header Information:

Number of Rows : 50
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel B

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	No fa
1	Sample	IB,39331	061JK	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
2	Sample	CCV/LCS,QC65096	GAS	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
3	Sample	LCS,QC65097,98W	BTXE	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
4	Sample	CCV,98WS5259,39	BTXE	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
5	Sample	IB,39331		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
6	Sample	MB,QC65098,3933		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
7	Sample	MSS,132408-001,		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
8	Sample	MS,QC65099,98WS	BTXE	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
9	Sample	MSD,QC65100,98W	BTXE	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
10	Sample	S,132374-001,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
11	Sample	S,132374-001,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
12	Sample	S,132374-001,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
13	Sample	S,132374-002,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
[redacted]	Sample	S,132374-002,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
[redacted]	Sample	S,132374-002,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
16	Sample	CCV,98WS548[illegible],39	GAS	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
17	Sample	CCV,98WS5259,39	BTXE	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
18	Sample	IB,39331,		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
19	Sample	S,132404-002,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
20	Sample	S,132404-003,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
21	Sample	S,132404-004,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
22	Sample	S,132408-002,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
23	Sample	S,132408-003,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
24	Sample	S,132408-005,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
25	Sample	S,132443-003,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
26	Sample	S,132443-005,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
27	Sample	S,132443-006,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
28	Sample	S,132443-009,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
29	Sample	CCV,98WS5481,39	GAS	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
30	Sample	CCV,98WS5259,39	BTXE	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
31	Sample	IB,39331,		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
32	Sample	S,132443-012,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
33	Sample	S,132443-013,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
34	Sample	S,132443-015,39		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
35	Sample	D,132404-001,39		B# 39331 W	5.000	1.000	1.000	5.000	1.000	1.000	0.000	1
36	Sample	D,132404-005,39		B# 39331 W	5.000	1.000	1.000	200.000	1.000	1.000	0.000	1
37	Sample	D,132446-001,39		B# 39331 W	5.000	1.000	1.000	50.000	1.000	1.000	0.000	1
38	Sample	CCV,98WS5481,39	GAS	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
39	Sample	CCV,98WS5259,39	BTXE	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
40	Sample	IB,39331,		B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
41	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
42	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
43	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
44	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
45	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
46	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
47	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
[redacted]	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
[redacted]	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
50	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1

Sequence Process Information - Channel B

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	
1	-	1	1	TVHBTXE	K_030298	K_030298	BTXE_W	061K001	061K001		028K001	-	-	-	L
2	-	1	1	TVHBTXE	K_030298	K_030298	BTXE_W	061K002	061K002		028K002	-	-	-	L
3	-	1	2	TVHBTXE	K_030298	K_030298	BTXE_W	061K003	061K003		028K003	-	-	-	L
4	-	1	3	TVHBTXE	K_030298	K_030298	BTXE_W	061K004	061K004		028K004	-	-	-	L
5	-	1	3	TVHBTXE	K_030298	K_030298	BTXE_W	061K005	061K005		028K005	-	-	-	L
6	-	1	3	TVHBTXE	K_030298	K_030298	BTXE_W	061K006	061K006		028K006	-	-	-	L
7	-	1	4	TVHBTXE	K_030298	K_030298	BTXE_W	061K007	061K007		028K007	-	-	-	L
8	-	1	5	TVHBTXE	K_030298	K_030298	BTXE_W	061K008	061K008		028K008	-	-	-	L
9	-	1	6	TVHBTXE	K_030298	K_030298	BTXE_W	061K009	061K009		028K009	-	-	-	L
10	-	1	8	TVHBTXE	K_030298	K_030298	BTXE_W	061K010	061K010		028K010	-	-	-	L
11	-	1	9	TVHBTXE	K_030298	K_030298	BTXE_W	061K011	061K011		028K011	-	-	-	L
12	-	1	10	TVHBTXE	K_030298	K_030298	BTXE_W	061K012	061K012		028K012	-	-	-	L
13	-	1	11	TVHBTXE	K_030298	K_030298	BTXE_W	061K013	061K013		028K013	-	-	-	L
14	-	1	11	TVHBTXE	K_030298	K_030298	BTXE_W	061K014	061K014		028K014	-	-		L
15	-	1	12	TVHBTXE	K_030298	K_030298	BTXE_W	061K015	061K015		028K015	-	-	-	L
16	-	1	12	TVHBTXE	K_030298	K_030298	BTXE_W	061K016	061K016		028K016	-	-	-	L
17	-	1	13	TVHBTXE	K_030298	K_030298	BTXE_W	061K017	061K017		028K017	-	-	-	L
18	-	1	13	TVHBTXE	K_030298	K_030298	BTXE_W	061K018	061K018		028K018	-	-	-	L
19	-	1	14	TVHBTXE	K_030298	K_030298	BTXE_W	061K019	061K019		028K019	-	-	-	L
20	-	1	15	TVHBTXE	K_030298	K_030298	BTXE_W	061K020	061K020		028K020	-	-	-	L
21	-	1	15	TVHBTXE	K_030298	K_030298	BTXE_W	061K021	061K021		028K021	-	-	-	L
22	-	1	16	TVHBTXE	K_030298	K_030298	BTXE_W	061K022	061K022		028K022	-	-	-	L
23	-	1	17	TVHBTXE	K_030298	K_030298	BTXE_W	061K023	061K023		028K023	-	-	-	L
24	-	1	18	TVHBTXE	K_030298	K_030298	BTXE_W	061K024	061K024		028K024	-	-	-	L
25	-	1	19	TVHBTXE	K_030298	K_030298	BTXE_W	061K025	061K025		028K025	-	-	-	L
26	-	1	20	TVHBTXE	K_030298	K_030298	BTXE_W	061K026	061K026		028K026	-	-	-	L
27	-	1	21	TVHBTXE	K_030298	K_030298	BTXE_W	061K027	061K027		028K027	-	-	-	L
28	-	1	22	TVHBTXE	K_030298	K_030298	BTXE_W	061K028	061K028		028K028	-	-	-	L
29	-	1	23	TVHBTXE	K_030298	K_030298	BTXE_W	061K029	061K029		028K029	-	-	-	L
30	-	1	24	TVHBTXE	K_030298	K_030298	BTXE_W	061K030	061K030		028K030	-	-	-	L
31	-	1	25	TVHBTXE	K_030298	K_030298	BTXE_W	061K031	061K031		028K031	-	-	-	L
32	-	1	26	TVHBTXE	K_030298	K_030298	BTXE_W	061K032	061K032		028K032	-	-	-	L
33	-	1	7	TVHBTXE	K_030298	K_030298	BTXE_W	061K033	061K033		028K033	-	-	-	L
34	-	1	27	TVHBTXE	K_030298	K_030298	BTXE_W	061K034	061K034		028K034	-	-	-	L
35	-	1	28	TVHBTXE	K_030298	K_030298	BTXE_W	061K035	061K035		028K035	-	-	-	L
36	-	1	29	TVHBTXE	K_030298	K_030298	BTXE_W	061K036	061K036		028K036	-	-	-	L
37	-	1	30	TVHBTXE	K_030298	K_030298	BTXE_W	061K037	061K037		028K037	-	-	-	L
38	-	1	31	TVHBTXE	K_030298	K_030298	BTXE_W	061K038	061K038		028K038	-	-	-	L
39	-	1	32	TVHBTXE	K_030298	K_030298	BTXE_W	061K039	061K039		028K039	-	-	-	L
40	-	1	33	TVHBTXE	K_030298	K_030298	BTXE_W	061K040	061K040		028K040	-	-	-	L
41	-	1	34	TVHBTXE	K_030298	K_030298	BTXE_W	061K041	061K041		028K041	-	-	-	L
42	-	1	35	TVHBTXE	K_030298	K_030298	BTXE_W	061K042	061K042		028K042	-	-	-	L
43	-	1	36	TVHBTXE	K_030298	K_030298	BTXE_W	061K043	061K043		028K043	-	-	-	L
44	-	1	37	TVHBTXE	K_030298	K_030298	BTXE_W	061K044	061K044		028K044	-	-	-	L
45	-	1	38	TVHBTXE	K_030298	K_030298	BTXE_W	061K045	061K045		028K045	-	-	-	L
46	-	1	39	TVHBTXE	K_030298	K_030298	BTXE_W	061K046	061K046		028K046	-	-	-	L
47	-	1	40	TVHBTXE	K_030298	K_030298	BTXE_W	061K047	061K047		028K047	-	-	-	L
48	-	1	41	TVHBTXE	K_030298	K_030298	BTXE_W	061K048	061K048		028K048	-	-	-	L
49	-	1	42	TVHBTXE	K_030298	K_030298	BTXE_W	061K049	061K049		028K049	-	-	-	L
50	-	1	43	TVHBTXE	K_030298	K_030298	BTXE_W	061K050	061K050		028K050	-	-	-	L

Turbochrom Sequence File : G:\GC04\BTXE\MAR02.SEQ
Created by : MKF on : 3/2/98 06:39 AM
Edited by : MKF on : 3/2/98 03:24 PM
[illegible]scription : JULIAN DATE OF 061L
[illegible]04 'L' DATA FILE
template for btxe water sequence - do not overwrite

Number of Times Edited : 4

Sequence File Header Information:

Number of Rows : 50
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	No fa
1	Sample		061L	B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
2	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
3	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
4	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
5	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
6	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
7	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
8	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
9	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
10	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
11	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
[illegible]	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
[illegible]	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
[illegible]	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
15	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
16	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
17	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
18	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
19	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
20	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
21	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
22	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
23	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
24	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
25	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
26	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
27	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
28	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
29	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
30	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
31	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
32	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
33	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
34	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
35	Sample			B# 39331 W	5.000	1.000	1.000	5.000	1.000	1.000	0.000	1
36	Sample			B# 39331 W	5.000	1.000	1.000	200.000	1.000	1.000	0.000	1
37	Sample			B# 39331 W	5.000	1.000	1.000	50.000	1.000	1.000	0.000	1
38	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
39	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
40	Sample			B# 39331 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
41	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
42	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
43	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
44	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
45	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
[illegible]	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
[illegible]	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
[illegible]	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
49	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
50	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1

Sequence Process Information - Channel A

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	
1	-	1	1	L_030298	L_030298	L_030298	WATER	061L001	061L001		028L001	-	-	-	L
2	-	1	1	L_030298	L_030298	L_030298	WATER	061L002	061L002		028L002	-	-	-	L
3	-	1	1	L_030298	L_030298	L_030298	WATER	061L003	061L003		028L003	-	-	-	L
4	-	1	2	L_030298	L_030298	L_030298	WATER	061L004	061L004		028L004	-	-	-	
5	-	1	3	L_030298	L_030298	L_030298	WATER	061L005	061L005		028L005	-	-	-	
6	-	1	4	L_030298	L_030298	L_030298	WATER	061L006	061L006		028L006	-	-	-	L
7	-	1	5	L_030298	L_030298	L_030298	WATER	061L007	061L007		028L007	-	-	-	L
8	-	1	6	L_030298	L_030298	L_030298	WATER	061L008	061L008		028L008	-	-	-	L
9	-	1	7	L_030298	L_030298	L_030298	WATER	061L009	061L009		028L009	-	-	-	L
10	-	1	8	L_030298	L_030298	L_030298	WATER	061L010	061L010		028L010	-	-	-	L
11	-	1	9	L_030298	L_030298	L_030298	WATER	061L011	061L011		028L011	-	-	-	L
12	-	1	10	L_030298	L_030298	L_030298	WATER	061L012	061L012		028L012	-	-	-	L
13	-	1	11	L_030298	L_030298	L_030298	WATER	061L013	061L013		028L013	-	-	-	L
14	-	1	12	L_030298	L_030298	L_030298	WATER	061L014	061L014		028L014	-	-	-	L
15	-	1	13	L_030298	L_030298	L_030298	WATER	061L015	061L015		028L015	-	-	-	L
16	-	1	13	L_030298	L_030298	L_030298	WATER	061L016	061L016		028L016	-	-	-	L
17	-	1	13	L_030298	L_030298	L_030298	WATER	061L017	061L017		028L017	-	-	-	L
18	-	1	14	L_030298	L_030298	L_030298	WATER	061L018	061L018		028L018	-	-	-	L
19	-	1	15	L_030298	L_030298	L_030298	WATER	061L019	061L019		028L019	-	-	-	L
20	-	1	15	L_030298	L_030298	L_030298	WATER	061L020	061L020		028L020	-	-	-	L
21	-	1	15	L_030298	L_030298	L_030298	WATER	061L021	061L021		028L021	-	-	-	L
22	-	1	16	L_030298	L_030298	L_030298	WATER	061L022	061L022		028L022	-	-	-	L
23	-	1	17	L_030298	L_030298	L_030298	WATER	061L023	061L023		028L023	-	-	-	L
24	-	1	18	L_030298	L_030298	L_030298	WATER	061L024	061L024		028L024	-	-	-	L
25	-	1	19	L_030298	L_030298	L_030298	WATER	061L025	061L025		028L025	-	-	-	L
26	-	1	20	L_030298	L_030298	L_030298	WATER	061L026	061L026		028L026	-	-	-	L
27	-	1	21	L_030298	L_030298	L_030298	WATER	061L027	061L027		028L027	-	-	-	L
28	-	1	22	L_030298	L_030298	L_030298	WATER	061L028	061L028		028L028	-	-	-	L
29	-	1	23	L_030298	L_030298	L_030298	WATER	061L029	061L029		028L029	-	-	-	L
30	-	1	24	L_030298	L_030298	L_030298	WATER	061L030	061L030		028L030	-	-	-	L
31	-	1	25	L_030298	L_030298	L_030298	WATER	061L031	061L031		028L031	-	-	-	L
32	-	1	26	L_030298	L_030298	L_030298	WATER	061L032	061L032		028L032	-	-	-	L
33	-	1	27	L_030298	L_030298	L_030298	WATER	061L033	061L033		028L033	-	-	-	L
34	-	1	28	L_030298	L_030298	L_030298	WATER	061L034	061L034		028L034	-	-	-	L
35	-	1	29	L_030298	L_030298	L_030298	WATER	061L035	061L035		028L035	-	-	-	L
36	-	1	30	L_030298	L_030298	L_030298	WATER	061L036	061L036		028L036	-	-	-	L
37	-	1	31	L_030298	L_030298	L_030298	WATER	061L037	061L037		028L037	-	-	-	
38	-	1	32	L_030298	L_030298	L_030298	WATER	061L038	061L038		028L038	-	-	-	
39	-	1	32	L_030298	L_030298	L_030298	WATER	061L039	061L039		028L038	-	-	-	
40	-	1	32	L_030298	L_030298	L_030298	WATER	061L040	061L040		028L038	-	-	-	L
41	-	1	32	L_030298	L_030298	L_030298	WATER	061L041	061L041		028L038	-	-	-	L
42	-	1	32	L_030298	L_030298	L_030298	WATER	061L042	061L042		028L038	-	-	-	L
43	-	1	32	L_030298	L_030298	L_030298	WATER	061L043	061L043		028L038	-	-	-	L
44	-	1	32	L_030298	L_030298	L_030298	WATER	061L044	061L044		028L038	-	-	-	L
45	-	1	32	L_030298	L_030298	L_030298	WATER	061L045	061L045		028L038	-	-	-	L
46	-	1	32	L_030298	L_030298	L_030298	WATER	061L046	061L046		028L038	-	-	-	L
47	-	1	32	L_030298	L_030298	L_030298	WATER	061L047	061L047		028L038	-	-	-	L
48	-	1	32	L_030298	L_030298	L_030298	WATER	061L048	061L048		028L038	-	-	-	L
49	-	1	32	L_030298	L_030298	L_030298	WATER	061L049	061L049		028L038	-	-	-	L
50	-	1	32	L_030298	L_030298	L_030298	WATER	061L050	061L050		028L038	-	-	-	L

Turbochrom Sequence File : G:\GC04\TVHBTXE\MAR04.SEQ
Created by : AMP on : 3/4/98 07:42 AM
Edited by : MKF on : 3/5/98 08:48 AM
[illegible]scription : JULIAN DATE OF 063JK
[illegible]emplate for tvhbtxe water sequence = do not overwrite.

Number of Times Edited : 3

Sequence File Header Information:

Number of Rows : 50
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel B

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	No fa
1	Sample	CCV/LCS,QC65220	063JK	B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
2	Sample	LCS,QC65221,98W	BTXE	B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
3	Sample	CCV,98WS5259,39	BTXE	B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
4	Sample	MB,QC65222,3936		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
5	Sample	S,132494-001,39		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
6	Sample	S,132494-002,39		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
7	Sample	S,132494-003,39		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
8	Sample	S,132494-004,39		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
9	Sample	S,132487-001,39		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
10	Sample	S,132487-002.39		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
11	Sample	S,132487-003,39		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
12	Sample	S,132487-004,39		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
13	Sample	S,132408-005,39		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
14	Sample	CCV,98WS5481,39	GAS	B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
15	Sample	CCV,98WS5259,39	BTXE	B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
16	Sample	MeOH BLK,03/04/		B# 39366 W	5.000	1.000	1.000	25.000	1.000	1.000	0.000	1
17	Sample	MSS,132457-001,		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
18	Sample	S,132457-002,39		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
19	Sample	RR,S,132408-002		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
20	Sample	RR,S,132408-003		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
21	Sample	MS,QC65223,98WS	BTXE	B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
22	Sample	MSD,QC65224,98W	BTXE	B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
23	Sample	BS,QC65270,98WS	GAS	B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
24	Sample	BSD,QC65271,98W	GAS	B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
25	Sample	S,132518-001,39		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
26	Sample	S,132518-002,39		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
27	Sample	IB,39366		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
28	Sample	CCV,98WS5481,39	GAS	B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
29	Sample	CCV,98WS5259,39	BTXE	B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
30	Sample	D,132520-001,39		B# 39366 W	5.000	1.000	1.000	100.000	1.000	1.000	0.000	1
31	Sample	D,RR,132446-001		B# 39366 W	5.000	1.000	1.000	100.000	1.000	1.000	0.000	1
32	Sample	D,132520-002,39		B# 39366 W	5.000	1.000	1.000	50.000	1.000	1.000	0.000	1
33	Sample	D,132374-005,39		B# 39366 W	5.000	1.000	1.000	500.000	1.000	1.000	0.000	1
34	Sample	D,132374-005,39		B# 39366 W	5.000	1.000	1.000	500.000	1.000	1.000	0.000	1
35	Sample	D,132374-005,39		B# 39366 W	5.000	1.000	1.000	500.000	1.000	1.000	0.000	1
36	Sample	IB,39366		B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
37	Sample	CCV,98WS5481,39	GAS	B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
38	Sample	CCV,98WS5259,39	BTXE	B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
39	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
40	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
41	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
42	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
43	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
44	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
45	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
46	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
47	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
48	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
49	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
50	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1

Sequence Process Information - Channel B

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	
1	-	1	1	TVHBTXE	K_030398	K_030398	BTXE_W	063K001	063K001		028K001	-	-	-	L
2	-	1	1	TVHBTXE	K_030398	K_030398	BTXE_W	063K002	063K002		028K002	-	-	-	L
3	-	1	2	TVHBTXE	K_030398	K_030398	BTXE_W	063K003	063K003		028K003	-	-	-	L
4	-	1	3	TVHBTXE	K_030398	K_030398	BTXE_W	063K004	063K004		028K004	-	-	-	L
5	-	1	3	TVHBTXE	K_030398	K_030398	BTXE_W	063K005	063K005		028K005	-	-	-	L
6	-	1	3	TVHBTXE	K_030398	K_030398	BTXE_W	063K006	063K006		028K006	-	-	-	L
7	-	1	4	TVHBTXE	K_030398	K_030398	BTXE_W	063K007	063K007		028K007	-	-	-	L
8	-	1	5	TVHBTXE	K_030398	K_030398	BTXE_W	063K008	063K008		028K008	-	-	-	L
9	-	1	6	TVHBTXE	K_030398	K_030398	BTXE_W	063K009	063K009		028K009	-	-	-	L
10	-	1	8	TVHBTXE	K_030398	K_030398	BTXE_W	063K010	063K010		028K010	-	-	-	L
11	-	1	9	TVHBTXE	K_030398	K_030398	BTXE_W	063K011	063K011		028K011	-	-	-	L
12	-	1	10	TVHBTXE	K_030398	K_030398	BTXE_W	063K012	063K012		028K012	-	-	-	L
13	-	1	11	TVHBTXE	K_030398	K_030398	BTXE_W	063K013	063K013		028K013	-	-	-	L
14	-	-	11	VHBTXE	K_030398	K_030...	BTXE_W	063K014	063K014		028K...4		-	-	L
15	-	1	12	TVHBTXE	K_030398	K_030398	BTXE_W	063K015	063K015		028K015	-	-	-	L
16	-	1	12	TVHBTXE	K_030398	K_030398	BTXE_W	063K016	063K016		028K016	-	-	-	L
17	-	1	13	TVHBTXE	K_030398	K_030398	BTXE_W	063K017	063K017		028K017	-	-	-	L
18	-	1	13	TVHBTXE	K_030398	K_030398	BTXE_W	063K018	063K018		028K018	-	-	-	L
19	-	1	14	TVHBTXE	K_030398	K_030398	BTXE_W	063K019	063K019		028K019	-	-	-	L
20	-	1	15	TVHBTXE	K_030398	K_030398	BTXE_W	063K020	063K020		028K020	-	-	-	L
21	-	1	15	TVHBTXE	K_030398	K_030398	BTXE_W	063K021	063K021		028K021	-	-	-	L
22	-	1	16	TVHBTXE	K_030398	K_030398	BTXE_W	063K022	063K022		028K022	-	-	-	L
23	-	1	17	TVHBTXE	K_030398	K_030398	BTXE_W	063K023	063K023		028K023	-	-	-	L
24	-	1	18	TVHBTXE	K_030398	K_030398	BTXE_W	063K024	063K024		028K024	-	-	-	L
25	-	1	19	TVHBTXE	K_030398	K_030398	BTXE_W	063K025	063K025		028K025	-	-	-	L
26	-	1	20	TVHBTXE	K_030398	K_030398	BTXE_W	063K026	063K026		028K026	-	-	-	L
27	-	1	21	TVHBTXE	K_030398	K_030398	BTXE_W	063K027	063K027		028K027	-	-	-	L
28	-	1	22	TVHBTXE	K_030398	K_030398	BTXE_W	063K028	063K028		028K028	-	-	-	L
29	-	1	23	TVHBTXE	K_030398	K_030398	BTXE_W	063K029	063K029		028K029	-	-	-	L
30	-	1	24	TVHBTXE	K_030398	K_030398	BTXE_W	063K030	063K030		028K030	-	-	-	L
31	-	1	25	TVHBTXE	K_030398	K_030398	BTXE_W	063K031	063K031		028K031	-	-	-	L
32	-	1	26	TVHBTXE	K_030398	K_030398	BTXE_W	063K032	063K032		028K032	-	-	-	L
33	-	1	7	TVHBTXE	K_030398	K_030398	BTXE_W	063K033	063K033		028K033	-	-	-	L
34	-	1	27	TVHBTXE	K_030398	K_030398	BTXE_W	063K034	063K034		028K034	-	-	-	L
35	-	1	28	TVHBTXE	K_030398	K_030398	BTXE_W	063K035	063K035		028K035	-	-	-	L
36	-	1	29	TVHBTXE	K_030398	K_030398	BTXE_W	063K036	063K036		028K036	-	-	-	L
7	-	1	30	TVHBTXE	K_030398	K_030398	BTXE_W	063K037	063K037		028K037	-	-	-	L
38	-	1	31	TVHBTXE	K_030398	K_030398	BTXE_W	063K038	063K038		028K038	-	-	-	L
39	-	1	32	TVHBTXE	K_030398	K_030398	BTXE_W	063K039	063K039		028K039	-	-	-	L
40	-	1	33	TVHBTXE	K_030398	K_030398	BTXE_W	063K040	063K040		028K040	-	-	-	L
41	-	1	34	TVHBTXE	K_030398	K_030398	BTXE_W	063K041	063K041		028K041	-	-	-	L
42	-	1	35	TVHBTXE	K_030398	K_030398	BTXE_W	063K042	063K042		028K042	-	-	-	L
43	-	1	36	TVHBTXE	K_030398	K_030398	BTXE_W	063K043	063K043		028K043	-	-	-	L
44	-	1	37	TVHBTXE	K_030398	K_030398	BTXE_W	063K044	063K044		028K044	-	-	-	L
45	-	1	38	TVHBTXE	K_030398	K_030398	BTXE_W	063K045	063K045		028K045	-	-	-	L
46	-	1	39	TVHBTXE	K_030398	K_030398	BTXE_W	063K046	063K046		028K046	-	-	-	L
47	-	1	40	TVHBTXE	K_030398	K_030398	BTXE_W	063K047	063K047		028K047	-	-	-	L
48	-	1	41	TVHBTXE	K_030398	K_030398	BTXE_W	063K048	063K048		028K048	-	-	-	L
49	-	1	42	TVHBTXE	K_030398	K_030398	BTXE_W	063K049	063K049		028K049	-	-	-	L
50	-	1	43	TVHBTXE	K_030398	K_030398	BTXE_W	063K050	063K050		028K050	-	-	-	L

Turbochrom Sequence File : G:\GC04\BTXE\MAR04.SEQ
Created by : MKF on : 3/4/98 07:43 AM
Edited by : MKF on : 3/5/98 08:49 AM
[redacted]cription : JULIAN DATE OF 063L
GC04 'L' DATA FILE
template for btxe water sequence - do not overwrite

Number of Times Edited : 3

Sequence File Header Information:

Number of Rows : 50
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	No fa
1	Sample		063L	B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
2	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
3	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
4	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
5	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
6	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
7	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
8	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
9	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
10	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
[redacted]	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
[redacted]	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
[redacted]	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
14	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
15	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
16	Sample			B# 39366 W	5.000	1.000	1.000	25.000	1.000	1.000	0.000	1
17	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
18	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
19	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
20	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
21	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
22	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
23	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
24	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
25	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
26	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
27	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
28	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
29	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
30	Sample			B# 39366 W	5.000	1.000	1.000	100.000	1.000	1.000	0.000	1
31	Sample			B# 39366 W	5.000	1.000	1.000	100.000	1.000	1.000	0.000	1
32	Sample			B# 39366 W	5.000	1.000	1.000	50.000	1.000	1.000	0.000	1
33	Sample			B# 39366 W	5.000	1.000	1.000	500.000	1.000	1.000	0.000	1
34	Sample			B# 39366 W	5.000	1.000	1.000	500.000	1.000	1.000	0.000	1
35	Sample			B# 39366 W	5.000	1.000	1.000	500.000	1.000	1.000	0.000	1
36	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
37	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
38	Sample			B# 39366 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
39	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
40	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
41	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
42	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
43	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
44	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
45	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
[redacted]	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
[redacted]	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
48	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
49	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1
50	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	1

Sequence Process Information - Channel A

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	
1	-	1	1	L_030398	L_030398	L_030398	WATER	063L001	063L001		028L001	-	-	-	L
2	-	1	1	L_030398	L_030398	L_030398	WATER	063L002	063L002		028L002	-	-	-	L
3	-	1	1	L_030398	L_030398	L_030398	WATER	063L003	063L003		028L003	-	-	-	[redacted]
4	-	1	2	L_030398	L_030398	L_030398	WATER	063L004	063L004		028L004	-	-	-	
5	-	1	3	L_030398	L_030398	L_030398	WATER	063L005	063L005		028L005	-	-	-	L
6	-	1	4	L_030398	L_030398	L_030398	WATER	063L006	063L006		028L006	-	-	-	L
7	-	1	5	L_030398	L_030398	L_030398	WATER	063L007	063L007		028L007	-	-	-	L
8	-	1	6	L_030398	L_030398	L_030398	WATER	063L008	063L008		028L008	-	-	-	L
9	-	1	7	L_030398	L_030398	L_030398	WATER	063L009	063L009		028L009	-	-	-	L
10	-	1	8	L_030398	L_030398	L_030398	WATER	063L010	063L010		028L010	-	-	-	L
11	-	1	9	L_030398	L_030398	L_030398	WATER	063L011	063L011		028L011	-	-	-	L
12	-	1	10	L_030398	L_030398	L_030398	WATER	063L012	063L012		028L012	-	-	-	L
13	-	1	11	L_030398	L_030398	L_030398	WATER	063L013	063L013		028L013	-	-	-	L
14	-		12	L_030398	L_030398	L_030398	WATER	063L014	063L014		028L014		-	-	L
15	-		13	L_030398	L_030398	L_030398	WATER	063L015	063L015		028L015	-	-	-	L
16	-	1	13	L_030398	L_030398	L_030398	WATER	063L016	063L016		028L016	-	-	-	L
17	-	1	13	L_030398	L_030398	L_030398	WATER	063L017	063L017		028L017	-	-	-	L
18	-	1	14	L_030398	L_030398	L_030398	WATER	063L018	063L018		028L018	-	-	-	L
19	-	1	15	L_030398	L_030398	L_030398	WATER	063L019	063L019		028L019	-	-	-	L
20	-	1	15	L_030398	L_030398	L_030398	WATER	063L020	063L020		028L020	-	-	-	L
21	-	1	15	L_030398	L_030398	L_030398	WATER	063L021	063L021		028L021	-	-	-	L
22	-	1	16	L_030398	L_030398	L_030398	WATER	063L022	063L022		028L022	-	-	-	L
23	-	1	17	L_030398	L_030398	L_030398	WATER	063L023	063L023		028L023	-	-	-	L
24	-	1	18	L_030398	L_030398	L_030398	WATER	063L024	063L024		028L024	-	-	-	L
25	-	1	19	L_030398	L_030398	L_030398	WATER	063L025	063L025		028L025	-	-	-	L
26	-	1	20	L_030398	L_030398	L_030398	WATER	063L026	063L026		028L026	-	-	-	L
27	-	1	21	L_030398	L_030398	L_030398	WATER	063L027	063L027		028L027	-	-	-	L
28	-	1	22	L_030398	L_030398	L_030398	WATER	063L028	063L028		028L028	-	-	-	L
29	-	1	23	L_030398	L_030398	L_030398	WATER	063L029	063L029		028L029	-	-	-	L
30	-	1	24	L_030398	L_030398	L_030398	WATER	063L030	063L030		028L030	-	-	-	L
31	-	1	25	L_030398	L_030398	L_030398	WATER	063L031	063L031		028L031	-	-	-	L
32	-	1	26	L_030398	L_030398	L_030398	WATER	063L032	063L032		028L032	-	-	-	L
33	-	1	27	L_030398	L_030398	L_030398	WATER	063L033	063L033		028L033	-	-	-	L
34	-	1	28	L_030398	L_030398	L_030398	WATER	063L034	063L034		028L034	-	-	-	L
35	-	1	29	L_030398	L_030398	L_030398	WATER	063L035	063L035		028L035	-	-	-	L
36	-	1	30	L_030398	L_030398	L_030398	WATER	063L036	063L036		028L036	-	-	-	L
37	-	1	31	L_030398	L_030398	L_030398	WATER	063L037	063L037		028L037	-	-	-	[redacted]
38	-	1	32	L_030398	L_030398	L_030398	WATER	063L038	063L038		028L038	-	-	-	
39	-	1	32	L_030398	L_030398	L_030398	WATER	063L039	063L039		028L038	-	-	-	L
40	-	1	32	L_030398	L_030398	L_030398	WATER	063L040	063L040		028L038	-	-	-	L
41	-	1	32	L_030398	L_030398	L_030398	WATER	063L041	063L041		028L038	-	-	-	L
42	-	1	32	L_030398	L_030398	L_030398	WATER	063L042	063L042		028L038	-	-	-	L
43	-	1	32	L_030398	L_030398	L_030398	WATER	063L043	063L043		028L038	-	-	-	L
44	-	1	32	L_030398	L_030398	L_030398	WATER	063L044	063L044		028L038	-	-	-	L
45	-	1	32	L_030398	L_030398	L_030398	WATER	063L045	063L045		028L038	-	-	-	L
46	-	1	32	L_030398	L_030398	L_030398	WATER	063L046	063L046		028L038	-	-	-	L
47	-	1	32	L_030398	L_030398	L_030398	WATER	063L047	063L047		028L038	-	-	-	L
48	-	1	32	L_030398	L_030398	L_030398	WATER	063L048	063L048		028L038	-	-	-	L
49	-	1	32	L_030398	L_030398	L_030398	WATER	063L049	063L049		028L038	-	-	-	L
50	-	1	32	L_030398	L_030398	L_030398	WATER	063L050	063L050		028L038	-	-	-	L

Curtis & Tompkins, Ltd. Sample Batch Report

Batch Number: 39331
Started: 02-MAR-98
ed By : Malinda Ferguson

Analysis : N/A
Bgroup: : TVH
Department: GC Organics

Sample No.	Type		Client	Matrix	Analysis	Due Date
132374-001			Curtis & Tompkins QC	Water	BTXE	27-FEB-98
132374-002			Curtis & Tompkins QC	Water	TVH	27-FEB-98
132404-001			Tosco Refining Co.	Water	BTXE	03-MAR-98
132404-001			Tosco Refining Co.	Water	TVH	03-MAR-98
132404-002			Tosco Refining Co.	Water	BTXE	03-MAR-98
132404-002			Tosco Refining Co.	Water	TVH	03-MAR-98
132404-003			Tosco Refining Co.	Water	BTXE	03-MAR-98
132404-003			Tosco Refining Co.	Water	TVH	03-MAR-98
132404-004			Tosco Refining Co.	Water	BTXE	03-MAR-98
132404-004			Tosco Refining Co.	Water	TVH	03-MAR-98
132404-005			Tosco Refining Co.	Water	BTXE	03-MAR-98
132404-005			Tosco Refining Co.	Water	TVH	03-MAR-98
132408-001			CAL Inc.	Water	BTXE	03-MAR-98
132408-001			CAL Inc.	Water	TVH	03-MAR-98
132408-002			CAL Inc.	Water	BTXE	03-MAR-98
132408-002			CAL Inc.	Water	TVH	03-MAR-98
132408-003			CAL Inc.	Water	BTXE	03-MAR-98
132408-003			CAL Inc.	Water	TVH	03-MAR-98
132408-005			CAL Inc.	Water	BTXE	03-MAR-98
132408-005			CAL Inc.	Water	TVH	03-MAR-98
132443-003			Burns & McDonnell	Water	BTXE	04-MAR-98
132443-003			Burns & McDonnell	Water	MTBE	04-MAR-98
132443-003			Burns & McDonnell	Water	TVH	04-MAR-98
132443-005			Burns & McDonnell	Water	BTXE	04-MAR-98
132443-005			Burns & McDonnell	Water	MTBE	04-MAR-98
132443-005			Burns & McDonnell	Water	TVH	04-MAR-98
132443-006			Burns & McDonnell	Water	MTBE	04-MAR-98
132443-009			Burns & McDonnell	Water	BTXE	04-MAR-98
132443-009			Burns & McDonnell	Water	MTBE	04-MAR-98
132443-009			Burns & McDonnell	Water	TVH	04-MAR-98
[redacted]3-012			Burns & McDonnell	Water	MTBE	04-MAR-98
[redacted]3-013			Burns & McDonnell	Water	BTXE	04-MAR-98
132443-013			Burns & McDonnell	Water	MTBE	04-MAR-98
132443-013			Burns & McDonnell	Water	TVH	04-MAR-98
132443-015			Burns & McDonnell	Water	BTXE	04-MAR-98
132443-015			Burns & McDonnell	Water	MTBE	04-MAR-98
132443-015			Burns & McDonnell	Water	TVH	04-MAR-98
132446-001			Tosco/Rodeo Refinery	Water	BENZENE	02-MAR-98
QC65096	LCS			Water		
QC65097	LCS			Water		
QC65098	MB			Water		
QC65099	MS	of 132408-001		Water		
QC65100	MSD	of 132408-001		Water		

Analyst: TEW Date: 3-3-98 Sequence Name: MAR Ø2 Page 20

Batch No.: 39331 File Prefix: Ø61JKL Continued from Page: —

File. No.	Stn. No	Sample Name	Wt/vol	pH	Comment	Std. NO.	Lims No. STD Name	Vial
1		IB	5mL		3-2-98 Ø758	1	98WS5444	
2	2	CCV/LCS,QC65096			PASS		55,450 ppm	
3	3	LCS,QC65097				2	98WS5481	
4	4	CCV					GAS 2000 ppm	
5		IB			ND Toluene hit	3	98WS5260	
6		MB,QC65098			ND		BTXE 20ppm 2°	
7		MSS, 132408-001		D2		4	98WS5259	
8	3	MS,QC65099			PASS		BTXE 20 ppm	
9	3	MSD,QC65100						
10		132374-001 MKF						
11		TEW						
12		CK						
13		002 MKF						
14		TEW						
15		CK						
16	2	CCV			PASS			
17	4	CCV						
18		IB			ND			
19		132404-002		A2	MTBE=O.R R.R. @10x			
20		-003		A2				
21		-004		A2				
22		132408-002		B2				
23		-003		D2				
24		-005		B2				
25		132443-003		A2				
26		-005		B3				
27		-006		A2				
28		-009		A2				
29	2	CCV			PASS			
30	4	CCV						
31		IB		A2	ND			
32		132443-012		A2				
33		-013		A2				
34		-015		A2				
35		132404-001	5X	A2				
36		132404-005	200X	A2			Ical on page(s) 20-25	
37		132446-001	50X	A2	Benzene O.R. RR @ 100X		of BK Ø878 & page	
38	2	CCV	5mL		PASS		27 of BK Ø902	
39	4	CCV					All runs rec'd std#1	
40		IB			ND 3-3-98 Ø624			

Continued on Page: —

Read and Understood by

[signature] Signed 3-3-98 Date

mk[signature] Signed 3/3/98 Date

Curtis & Tompkins, Ltd. Sample Batch Report

Batch Number: 39366
Date Started: 04-MAR-98
Batched By : Malinda Ferguson

Analysis : N/A
Bgroup: : TVH
Department: GC Organics

Sample No.	Type		Client	Matrix	Analysis	Due Date
132408-002			CAL Inc.	Water	BTXE	03-MAR-98
132408-002			CAL Inc.	Water	TVH	03-MAR-98
132408-003			CAL Inc.	Water	BTXE	03-MAR-98
132408-003			CAL Inc.	Water	TVH	03-MAR-98
132408-005			CAL Inc.	Water	BTXE	03-MAR-98
132408-005			CAL Inc.	Water	TVH	03-MAR-98
132416-001			Tosco/Rodeo Refinery	Water	BENZENE	02-MAR-98
132457-001			IT Corporation	Water	BTXE	06-MAR-98
132457-001			IT Corporation	Water	TVH	06-MAR-98
132457-002			IT Corporation	Water	BTXE	06-MAR-98
132457-002			IT Corporation	Water	TVH	06-MAR-98
132487-001			ATC Associates, Inc.	Water	BTXE	04-MAR-98
132487-001			ATC Associates, Inc.	Water	TVH	04-MAR-98
132487-002			ATC Associates, Inc.	Water	BTXE	04-MAR-98
132487-002			ATC Associates, Inc.	Water	TVH	04-MAR-98
132487-003			ATC Associates, Inc.	Water	BTXE	04-MAR-98
132487-003			ATC Associates, Inc.	Water	TVH	04-MAR-98
132487-004			ATC Associates, Inc.	Water	BTXE	04-MAR-98
132487-004			ATC Associates, Inc.	Water	TVH	04-MAR-98
132494-001			Subsurface Consultants	Water	BTXE	05-MAR-98
132494-001			Subsurface Consultants	Water	TVH	05-MAR-98
132494-002			Subsurface Consultants	Water	BTXE	05-MAR-98
132494-002			Subsurface Consultants	Water	TVH	05-MAR-98
132494-003			Subsurface Consultants	Water	BTXE	05-MAR-98
132494-003			Subsurface Consultants	Water	TVH	05-MAR-98
132494-004			Subsurface Consultants	Water	BTXE	05-MAR-98
132494-004			Subsurface Consultants	Water	TVH	05-MAR-98
132518-001			Uribe & Associates	Water	BTXE	06-MAR-98
132518-002			Uribe & Associates	Water	BTXE	06-MAR-98
132520-001			Tosco/Rodeo Refinery	Water	BENZENE	09-MAR-98
132520-002			Tosco/Rodeo Refinery	Water	BENZENE	09-MAR-98
QC65220	LCS			Water		
QC65221	LCS			Water		
QC65222	MB			Water		
QC65223	MS	of 132457-001		Water		
QC65224	MSD	of 132457-001		Water		
QC65270	BS			Water		
QC65271	BSD			Water		

Curtis & Tompkins
Reviewed By: 3/5/98
Date:

Analyst: TEW Date: 3-5-98 Sequence Name: MAR04 Page 23

Batch No.: 39366 File Prefix: 063JKL Continued from Page: —

File No.	Stn. No	Sample Name	Wt/vol	pH	Comment	Std. NO.	Lims No. STD Name	Vial
1	2	CCV/LCS, QC65220	5mL		PASS 3-10-98	1	98WS5444	
2	3	LCS, QC 65221	↓		↓		SS, 450 ppm	
3	4	CCV	↓		↓	2	98WS5481	
4		MB, QC65222	↓		ND		GAS 2000 ppm	
5		132494-001	↓	A3	↓	3	98WS5260	
6		↓ -002	↓	A7	↓		BTXE 20 ppm 2°	
7		-003	↓	A4	↓	4	98WS5259	
8		↓ -004	↓	C2	↓		BTXE 20 ppm	
9		132487-001	↓	B7	↓		↓	
10		↓ -002	↓	A7	↓		↓	
11		↓ -003	↓	B7	↓		↓	
12		↓ -004	↓	X7	↓		↓	
13		132408-005	↓	C2	↓		↓	
14	2	CCV	↓		PASS		↓	
15	4	CCV	↓		↓		↓	
16		MeOH Blank 3/4/98	25X		ND		↓	
17		MS, 132457-001	5mL	B2	↓		↓	
18		132457-002	↓	B2	↓		↓	
19		RR, 132408-002	↓	C2	↓		↓	
20		RR, 132408-003	↓	E2	↓		↓	
21	3	MS, QC65223	↓		PASS		↓	
22	3	MSD, QC65224	↓		↓ MTBE fails high — ok to report per TE/TLB/DLM		↓	
23	2	BS QC 65270	↓		↓		↓	
24	2	BSD, QC65271	↓		↓		↓	
25		132518-001	↓	H2	↓		↓	
26		132518-002	↓	H2	↓		↓	
27		IB	↓		ND		↓	
28	2	CCV	↓		PASS		↓	
29	4	CCV	V		↓		↓	
30		132520-001	100X	B2	Too Dilute		↓	
31		RR, 132446-001	100X	B2	↓		↓	
32		132520-002	50X	A2	Too Dilute		↓	
33		132374-005 MS	500X		↓		↓	
34		↓ TEW	↓		↓		Ical on page(s) 20+25	
35		↓ CK	↓		↓		of BK980 & page	
36		IB	5mL		ND		27 of BK0980	
37	2	CCV	↓		PASS		All runs rec'd std#1	
38	4	CCV	↓		↓ 3-9-98 0556			

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Signed: [signature] Date: 3-5-98

Read and Understood by

Signed: [signature] Date: 3/5/98

Polyaromatic Hydrocarbons by HPLC

Client:	CAL Inc.	Analysis Method:	EPA 8310
Project#:	2809	Prep Method:	EPA 3520
Location:	Camp Parks		

Field ID:	W-22-B3	Sampled:	02/18/98
Lab ID:	132408-001	Received:	02/19/98
Matrix:	Water	Extracted:	02/24/98
Batch#:	39261	Analyzed:	03/03/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Naphthalene	ND	4.7
Acenaphthene	ND	0.94
Acenaphthylene	ND	9.4
Fluorene	ND	0.94
Phenanthrene	ND	0.47
Anthracene	ND	0.47
Fluoranthene	ND	0.38
Pyrene	ND	0.19
Benzo(a)anthracene	ND	0.09
Chrysene	ND	0.09
Benzo(b)fluoranthene	ND	0.19
Benzo(k)fluoranthene	ND	0.09
Benzo(a)pyrene	ND	0.09
Dibenz(a,h)anthracene	ND	0.19
Benzo(g,h,i)perylene	ND	0.19
Indeno(1,2,3-cd)pyrene	ND	0.13

Surrogate	%Recovery	Recovery Limits
1-Methylnaphthalene (UV)	68	50-150
1-Methylnaphthalene (F)	69	50-150

Polyaromatic Hydrocarbons by HPLC

Client:	CAL Inc.	Analysis Method:	EPA 8310
Project#:	2809	Prep Method:	EPA 3520
Location:	Camp Parks		
Field ID:	W-22-B4	Sampled:	02/18/98
Lab ID:	132408-003	Received:	02/19/98
Matrix:	Water	Extracted:	02/24/98
Batch#:	39261	Analyzed:	03/03/98
Units:	ug/L		
Diln Fac:	1		

Analyte	Result	Reporting Limit
Naphthalene	ND	4.8
Acenaphthene	ND	0.95
Acenaphthylene	ND	9.5
Fluorene	ND	0.95
Phenanthrene	ND	0.48
Anthracene	ND	0.48
Fluoranthene	ND	0.38
Pyrene	ND	0.19
Benzo(a)anthracene	ND	0.1
Chrysene	ND	0.1
Benzo(b)fluoranthene	ND	0.19
Benzo(k)fluoranthene	ND	0.1
Benzo(a)pyrene	ND	0.1
Dibenz(a,h)anthracene	ND	0.19
Benzo(g,h,i)perylene	ND	0.19
Indeno(1,2,3-cd)pyrene	ND	0.13

Surrogate	%Recovery	Recovery Limits
1-Methylnaphthalene (UV)	66	50-150
1-Methylnaphthalene (F)	66	50-150

EPA 8310 PAHs by HPLC

Client:	CAL Inc.	Analysis Method:	EPA 8310
Project#:	2809	Prep Method:	EPA 3520
Location:	Camp Parks		

METHOD BLANK

Matrix:	Water	Prep Date:	02/24/98
Batch#:	39261	Analysis Date:	03/03/98
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC64832

Analyte	Result	Reporting Limit
Naphthalene	ND	5.0
Acenaphthene	ND	1.0
Acenaphthylene	ND	10
Fluorene	ND	1.0
Phenanthrene	ND	0.5
Anthracene	ND	0.5
Fluoranthene	ND	0.4
Pyrene	ND	0.2
Benzo(a)anthracene	ND	0.1
Chrysene	ND	0.1
Benzo(b)fluoranthene	ND	0.2
Benzo(k)fluoranthene	ND	0.1
Benzo(a)pyrene	ND	0.1
Dibenz(a,h)anthracene	ND	0.2
Benzo(g,h,i)perylene	ND	0.2
Indeno(1,2,3-cd)pyrene	ND	0.14

Surrogate	%Rec	Recovery Limits
1-Methylnaphthalene (UV)	85	50-150
1-Methylnaphthalene (F)	83	50-150

EPA 8310 PAHs by HPLC

Client: CAL Inc.
Project#: 2809
Location: Camp Parks

Analysis Method: EPA 8310
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 39261
Units: ug/L
Diln Fac: 1

Prep Date: 02/24/98
Analysis Date: 03/03/98

BS Lab ID: QC64833

Analyte	Spike Added	BS	%Rec #	Limits
Naphthalene	10	7.2	72	35-110
Acenaphthene	10	7.3	73	39-110
Acenaphthylene	20	15	77	37-110
Fluorene	2	1.5	75	38-110
Phenanthrene	1	0.78	78	37-110
Anthracene	1	0.65	65	36-110
Benzo(k)fluoranthene	1	0.77	77	52-110
Indeno(1,2,3-cd)pyrene	1	0.59	59	21-128

Surrogate	%Rec	Limits
1-Methylnaphthalene (UV)	74	50-150
1-Methylnaphthalene (F)	72	50-150

BSD Lab ID: QC64834

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
Naphthalene	10	7.4	74	35-110	3	29
Acenaphthene	10	7.5	75	39-110	2	26
Acenaphthylene	20	15	76	37-110	2	26
Fluorene	2	1.56	78	38-110	4	26
Phenanthrene	1	0.8	80	37-110	3	30
Anthracene	1	0.66	66	36-110	2	25
Benzo(k)fluoranthene	1	0.78	78	52-110	1	23
Indeno(1,2,3-cd)pyrene	1	0.76	76	21-128	25	36

Surrogate	%Rec	Limits
1-Methylnaphthalene (UV)	72	50-150
1-Methylnaphthalene (F)	70	50-150

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Sample File : G:\HPLC1\UV_0206.SMP
Created by : on : 5/12/89 02:54 PM
Edited by : on : 2/6/98 05:49 PM
Number Of Times Edited : 235

Sample Description :

Default Injection Volume : 1.0000 ul
Quantitation Units : ng
Void Time : 0.000 min
Correct Amounts During Calibration : YES
Reject Outliers During Calibration : NO
An External Standard Calibration Will Be Used
Unknown Peaks Will Use The Response Factor Of The Nearest Reference Peak

Component Information :

Naphthalene

Component Type : Single Peak Component
Retention Time : 12.920 min Search Window: 1.23 s, 2.00 %
Reference Component: 1-Methylnapthalene
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
PAHCAL 3	2.5000	9329.00	682.90	----------	----------	1
PAHCAL 4	5.0000	17520.00	1278.57	----------	----------	1
PAHCAL 5	10.0000	38843.00	2803.72	----------	----------	1
PAHCAL 6	25.0000	90641.00	6336.88	----------	----------	1
PAHCAL 7	50.0000	184264.00	5112.44	----------	----------	1

Average Calibration Factor = 3686.1640 (%RSD = 3.79)

Acenapthene

Component Type : Single Peak Component
Retention Time : 15.390 min Search Window: 2.41 s, 2.00 %
Reference Component: 1-Methylnapthalene
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
PAHCAL 3	2.5000	12476.00	936.52	----------	----------	1
PAHCAL 4	5.0000	23538.00	1810.97	----------	----------	1
PAHCAL 5	10.0000	51035.00	4044.90	----------	----------	1
PAHCAL 6	25.0000	120298.00	8874.91	----------	----------	1
PAHCAL 7	50.0000	244573.00	7517.45	----------	----------	1

Average Calibration Factor = 4900.9760 (%RSD = 3.14)

1-Methylnapthalene

Component Type : Single Peak Component
Retention Time : 16.509 min Search Window: 1.00 s, 2.00 %
Reference Component:
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
MENAP_5	5.0000	11684.00	1059.39	----------	----------	1
MENAP_10	10.0000	22800.00	2114.08	----------	----------	1
MENAP_25	25.0000	57449.00	5278.37	----------	----------	1
MENAP_50	50.0000	114466.00	10374.71	----------	----------	1
MENAP_100	100.0000	222882.00	20666.39	----------	----------	1

Average Calibration Factor = 2286.5800 (%RSD = 1.70)

Acenaphthylene
Component Type : Single Peak Component
Retention Time : 17.938 min Search Window: 3.05 s, 2.30 %
Reference Component: 1-Methylnapthalene
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
PAHCAL 3	5.0000	3856.00	302.38	----------	----------	1
PAHCAL 4	10.0000	7678.49	579.29	----------	----------	1
PAHCAL 5	20.0000	16397.00	1249.41	----------	----------	1
PAHCAL 6	50.0000	37488.00	2892.95	----------	----------	1
PAHCAL 7	100.0000	75021.95	4446.22	----------	----------	1

Average Calibration Factor = 771.7758 (%RSD = 3.71)

Fluorene
Component Type : Single Peak Component
Retention Time : 18.834 min Search Window: 2.89 s, 2.60 %
Reference Component: 1-Methylnapthalene
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
PAHCAL 3	0.5000	8482.00	659.69	----------	----------	1
PAHCAL 4	1.0000	17708.51	1325.29	----------	----------	1
PAHCAL 5	2.0000	36666.00	2865.89	----------	----------	1
PAHCAL 6	5.0000	84456.00	6528.40	----------	----------	1
PAHCAL 7	10.0000	171906.05	9325.36	----------	----------	1

Average Calibration Factor = 17417.4625 (%RSD = 3.47)

Calibration Replicate Lists:
Component: Naphthalene

Level : PAHCAL 3

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time	File
9329.00	682.90	2.5000	----------	----------	2/6/98 04:47 PM	036A012.

Level : PAHCAL 4

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time	File
17520.00	1278.57	5.0000	----------	----------	2/6/98 04:42 PM	036A013.

Level : PAHCAL 5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time	File
38843.00	2803.72	10.0000	----------	----------	2/6/98 04:47 PM	036A014.

Level : PAHCAL 6

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time	File
90641.00	6336.88	25.0000	----------	----------	2/6/98 04:42 PM	036A015.

Level : PAHCAL 7

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time	File
184264.00	5112.44	50.0000	----------	----------	2/6/98 04:42 PM	036A016.

Component: Acenapthene

Level : PAHCAL 3

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
12476.00	936.52	2.5000	----------	----------	2/6/98	04:47 PM	036A012.

Level : PAHCAL 4

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
23538.00	1810.97	5.0000	----------	----------	2/6/98	04:42 PM	036A013.

Level : PAHCAL 5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
51035.00	4044.90	10.0000	----------	----------	2/6/98	04:47 PM	036A014.

Level : PAHCAL 6

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
120298.00	8874.91	25.0000	----------	----------	2/6/98	04:42 PM	036A015.

Level : PAHCAL 7

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
244573.00	7517.45	50.0000	----------	----------	2/6/98	04:42 PM	036A016.

Component: 1-Methylnapthalene

Level : MENAP_5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
11684.00	1059.39	5.0000	----------	----------	2/6/98	03:08 PM	~RST0C2F

Level : MENAP_10

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
22800.00	2114.08	10.0000	----------	----------	2/6/98	03:09 PM	036A005.

Level : MENAP_25

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
57449.00	5278.37	25.0000	----------	----------	2/6/98	03:09 PM	036A006.

Level : MENAP_50

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
114466.00	10374.71	50.0000	----------	----------	2/6/98	03:10 PM	036A007.

Level : MENAP_100

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
222882.00	20666.39	100.0000	----------	----------	2/6/98	03:10 PM	036A008.

mponent: Acenaphthylene

Level : PAHCAL 3

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
3856.00	302.38	5.0000	----------	----------	2/6/98	04:47 PM	036A012.

Level : PAHCAL 4

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
7678.49	579.29	10.0000	----------	----------	2/6/98	04:42 PM	036A013.

Level : PAHCAL 5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
16397.00	1249.41	20.0000	----------	----------	2/6/98	04:47 PM	036A014.

Level : PAHCAL 6

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
37488.00	2892.95	50.0000	----------	----------	2/6/98	04:42 PM	036A015.

Level : PAHCAL 7

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
75021.95	4446.22	100.0000	----------	----------	2/6/98	04:42 PM	036A016.

Component: Fluorene

Level : PAHCAL 3

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
8482.00	659.69	0.5000	----------	----------	2/6/98	04:47 PM	036A012.

Level : PAHCAL 4

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
17708.51	1325.29	1.0000	----------	----------	2/6/98	04:42 PM	036A013.

Level : PAHCAL 5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
36666.00	2865.89	2.0000	----------	----------	2/6/98	04:47 PM	036A014.

Level : PAHCAL 6

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
84456.00	6528.40	5.0000	----------	----------	2/6/98	04:42 PM	036A015.

Level : PAHCAL 7

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
171906.05	9325.36	10.0000	----------	----------	2/6/98	04:42 PM	036A016.

Sample File : G:\HPLC1\FL_0206.SMP
Created by : on : 5/12/89 02:54 PM
Edited by : on : 2/6/98 05:47 PM
Number Of Times Edited : 291

Sample Description :

Default Injection Volume : 1.0000 ul
Quantitation Units : ng
Void Time : 0.000 min
Correct Amounts During Calibration : YES
Reject Outliers During Calibration : NO
An External Standard Calibration Will Be Used
Unknown Peaks Will Use The Response Factor Of The Nearest Reference Peak

Component Information :

1-Methylnapthalene

Component Type : Single Peak Component
Retention Time : 16.627 min Search Window: 1.06 s, 2.00 %
Reference Component:
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
MENAP_5	5.0000	12750.00	1232.39	----------	----------	1
MENAP_10	10.0000	26592.00	2435.44	----------	----------	1
MENAP_25	25.0000	68305.00	5996.06	----------	----------	1
MENAP_50	50.0000	138428.00	11850.70	----------	----------	1
MENAP_100	100.0000	279288.00	24672.66	----------	----------	1

Average Calibration Factor = 2700.5680 (%RSD = 3.63)

Phenanthrene

Component Type : Single Peak Component
Retention Time : 20.887 min Search Window: 3.70 s, 2.00 %
Reference Component: 1-Methylnapthalene
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
PAHCAL 3	0.2500	12614.00	977.52	----------	----------	1
PAHCAL 4	0.5000	26342.00	1954.18	----------	----------	1
PAHCAL 5	1.0000	59089.00	4246.27	----------	----------	1
PAHCAL 6	2.5000	136464.00	9788.70	----------	----------	1
PAHCAL 7	5.0000	271052.00	14215.61	----------	----------	1

Average Calibration Factor = 54205.0000 (%RSD = 5.86)

Anthracene

Component Type : Single Peak Component
Retention Time : 22.615 min Search Window: 3.06 s, 2.00 %
Reference Component: 1-Methylnapthalene
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
PAHCAL 3	0.2500	29277.00	2187.82	----------	----------	1
PAHCAL 4	0.5000	59329.00	4331.53	----------	----------	1
PAHCAL 5	1.0000	129592.00	9366.32	----------	----------	1
PAHCAL 6	2.5000	302644.00	22437.91	----------	----------	1
PAHCAL 7	5.0000	631119.00	37088.93	----------	----------	1

Average Calibration Factor = 122527.8800 (%RSD = 4.28)

Fluoranthene
Component Type : Single Peak Component
Retention Time : 24.575 min Search Window: 4.13 s, 2.00 %
Reference Component: 1-Methylnapthalene
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
PAHCAL 2	0.2000	119376.00	8153.40	----------	----------	1
PAHCAL 3	0.5000	315512.00	21686.47	----------	----------	1
PAHCAL 4	1.0000	644726.00	44976.11	----------	----------	1
PAHCAL 5	2.0000	1412572.00	98396.02	----------	----------	1
PAHCAL 6	5.0000	3155250.00	207642.60	----------	----------	1

Average Calibration Factor = 641993.2000 (%RSD = 6.24)

Pyrene
Component Type : Single Peak Component
Retention Time : 25.873 min Search Window: 4.49 s, 2.00 %
Reference Component: 1-Methylnapthalene
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
PAHCAL 2	0.1000	125388.00	8208.68	----------	----------	1
PAHCAL 3	0.2500	334108.00	21958.74	----------	----------	1
PAHCAL 4	0.5000	678322.00	45827.98	----------	----------	1
PAHCAL 5	1.0000	1530932.00	103440.97	----------	----------	1
PAHCAL 6	2.5000	3452032.00	220871.11	----------	----------	1

Average Calibration Factor = 1371740.1600 (%RSD = 7.36)

Benzo(a)anthracene
Component Type : Single Peak Component
Retention Time : 30.404 min Search Window: 5.61 s, 2.00 %
Reference Component: 1-Methylnapthalene
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
PAHCAL 1	0.0500	74727.13	4419.12	----------	----------	1
PAHCAL 2	0.1000	154013.87	9434.57	----------	----------	1
PAHCAL 3	0.2500	400651.72	25680.23	----------	----------	1
PAHCAL 4	0.5000	826438.08	53954.04	----------	----------	1
PAHCAL 5	1.0000	1822260.29	116008.89	----------	----------	1

Average Calibration Factor = 1622484.9236 (%RSD = 7.82)

Chrysene
Component Type : Single Peak Component
Retention Time : 31.186 min Search Window: 6.08 s, 2.00 %
Reference Component: 1-Methylnapthalene
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
PAHCAL 1	0.0500	14872.87	952.71	----------	----------	1
PAHCAL 2	0.1000	33784.13	1955.32	----------	----------	1
PAHCAL 3	0.2500	80477.28	4968.04	----------	----------	1
PAHCAL 4	0.5000	161260.92	10009.78	----------	----------	1
PAHCAL 5	1.0000	371337.71	22843.83	----------	----------	1

Average Calibration Factor = 330213.4764 (%RSD = 8.22)

Benzo(b)fluoranthene

Component Type : Single Peak Component
Retention Time : 34.696 min Search Window: 7.63 s, 2.00 %
Reference Component: 1-Methylnapthalene
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
PAHCAL 1	0.1000	108990.00	6501.47	----------	----------	1
PAHCAL 2	0.2000	262593.04	14674.57	----------	----------	1
PAHCAL 3	0.5000	716803.44	42866.55	----------	----------	1
PAHCAL 4	1.0000	1433826.00	88839.29	----------	----------	1
PAHCAL 5	2.0000	3079907.00	185511.64	----------	----------	1

Average Calibration Factor = 1362050.3176 (%RSD = 12.63)

Benzo(k)fluoranthene
Component Type : Single Peak Component
Retention Time : 35.929 min Search Window: 8.97 s, 2.00 %
Reference Component: 1-Methylnapthalene
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
PAHCAL 1	0.0500	102316.00	6669.24	----------	----------	1
PAHCAL 2	0.1000	225701.96	14699.47	----------	----------	1
PAHCAL 3	0.2500	629584.95	42275.53	----------	----------	1
PAHCAL 4	0.5000	1234376.00	88165.97	----------	----------	1
PAHCAL 5	1.0000	2621152.00	182840.23	----------	----------	1

Average Calibration Factor = 2382316.6810 (%RSD = 9.65)

Benzo(a)pyrene
Component Type : Single Peak Component
Retention Time : 37.066 min Search Window: 9.84 s, 2.00 %
Reference Component: 1-Methylnapthalene
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
PAHCAL 1	0.0500	73749.00	5131.92	----------	----------	1
PAHCAL 2	0.1000	160599.00	11280.91	----------	----------	1
PAHCAL 3	0.2500	463582.84	33040.11	----------	----------	1
PAHCAL 4	0.5000	918535.00	70162.96	----------	----------	1
PAHCAL 5	1.0000	2002106.00	152500.07	----------	----------	1

Average Calibration Factor = 1754895.4751 (%RSD = 12.03)

Dibenzo(ah)anthracen
Component Type : Single Peak Component
Retention Time : 38.443 min Search Window: 11.63 s, 2.00 %
Reference Component: 1-Methylnapthalene
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
PAHCAL 1	0.1000	55552.19	3960.12	----------	----------	1
PAHCAL 2	0.2000	105844.00	8329.01	----------	----------	1
PAHCAL 3	0.5000	330953.32	25688.99	----------	----------	1
PAHCAL 4	1.0000	676331.07	56832.62	----------	----------	1
PAHCAL 5	2.0000	1497969.78	125960.51	----------	----------	1

Average Calibration Factor = 634392.9000 (%RSD = 14.30)

Benzo(ghi)perylene
Component Type : Single Peak Component

Retention Time : 39.420 min Search Window: 12.29 s, 2.00 %
Reference Component: 1-Methylnapthalene
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
PAHCAL 1	0.1000	68557.10	5106.24	----------	----------	1
PAHCAL 2	0.2000	147166.00	11212.45	----------	----------	1
PAHCAL 3	0.5000	453710.32	35705.94	----------	----------	1
PAHCAL 4	1.0000	966370.55	76196.09	----------	----------	1
PAHCAL 5	2.0000	2143810.22	172253.67	----------	----------	1

Average Calibration Factor = 873419.4646 (%RSD = 18.41)

Indeno(123cd)pyrene
Component Type : Single Peak Component
Retention Time : 39.762 min Search Window: 13.74 s, 2.00 %
Reference Component: 1-Methylnapthalene
Find Peak Closest to Expected RT in Window
Use Average Calibration Factor (Area / Amount)
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
PAHCAL 1	0.0500	15224.71	1130.22	----------	----------	1
PAHCAL 2	0.1000	36296.00	2455.83	----------	----------	1
PAHCAL 3	0.2500	125270.12	7333.96	----------	----------	1
PAHCAL 4	0.5000	223518.75	14423.65	----------	----------	1
PAHCAL 5	1.0000	419187.00	32976.61	----------	----------	1

Average Calibration Factor = 406951.8251 (%RSD = 18.65)

Calibration Replicate Lists:
Component: 1-Methylnapthalene
Level : MENAP_5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
12750.00	1232.39	5.0000	----------	----------	2/6/98	05:30 PM	036B004.

Level : MENAP_10

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
26592.00	2435.44	10.0000	----------	----------	2/6/98	05:30 PM	036B005.

Level : MENAP_25

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
68305.00	5996.06	25.0000	----------	----------	2/6/98	05:30 PM	036B006.

Level : MENAP_50

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
138428.00	11850.70	50.0000	----------	----------	2/6/98	05:30 PM	036B007.

Level : MENAP_100

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
279288.00	24672.66	100.0000	----------	----------	2/6/98	05:30 PM	036B008.

Component: Phenanthrene
Level : PAHCAL 3

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time	File

12614.00	977.52	0.2500	----------	----------	2/6/98	05:36 PM	036B012.

Level : PAHCAL 4

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
26342.00	1954.18	0.5000	----------	----------	2/6/98	05:31 PM	036B013.

Level : PAHCAL 5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
59089.00	4246.27	1.0000	----------	----------	2/6/98	05:31 PM	036B014.

Level : PAHCAL 6

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
136464.00	9788.70	2.5000	----------	----------	2/6/98	05:31 PM	036B015.

Level : PAHCAL 7

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
271052.00	14215.61	5.0000	----------	----------	2/6/98	05:31 PM	036B016.

Component: Anthracene

Level : PAHCAL 3

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
29277.00	2187.82	0.2500	----------	----------	2/6/98	05:36 PM	036B012.

Level : PAHCAL 4

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
59329.00	4331.53	0.5000	----------	----------	2/6/98	05:31 PM	036B013.

Level : PAHCAL 5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
129592.00	9366.32	1.0000	----------	----------	2/6/98	05:31 PM	036B014.

Level : PAHCAL 6

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
302644.00	22437.91	2.5000	----------	----------	2/6/98	05:31 PM	036B015.

Level : PAHCAL 7

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
631119.00	37088.93	5.0000	----------	----------	2/6/98	05:31 PM	036B016.

Component: Fluoranthene

Level : PAHCAL 2

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
119376.00	8153.40	0.2000	----------	----------	2/6/98	05:34 PM	036B011.

Level : PAHCAL 3

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
315512.00	21686.47	0.5000	----------	----------	2/6/98	05:36 PM	036B012.

Level : PAHCAL 4

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
644726.00	44976.11	1.0000	----------	----------	2/6/98	05:31 PM	036B013.

Level : PAHCAL 5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
1412572.00	98396.02	2.0000	----------	----------	2/6/98	05:31 PM	036B014.

Level : PAHCAL 6

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
3155250.00	207642.60	5.0000	----------	----------	2/6/98	05:31 PM	036B015.

Component: Pyrene

Level : PAHCAL 2

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
125388.00	8208.68	0.1000	----------	----------	2/6/98	05:34 PM	036B011.

Level : PAHCAL 3

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
334108.00	21958.74	0.2500	----------	----------	2/6/98	05:36 PM	036B012.

Level : PAHCAL 4

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
678322.00	45827.98	0.5000	----------	----------	2/6/98	05:31 PM	036B013.

Level : PAHCAL 5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
1530932.00	103440.97	1.0000	----------	----------	2/6/98	05:31 PM	036B014.

Level : PAHCAL 6

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
3452032.00	220871.11	2.5000	----------	----------	2/6/98	05:31 PM	036B015.

Component: Benzo(a)anthracene

Level : PAHCAL 1

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
74727.13	4419.12	0.0500	----------	----------	2/6/98	05:30 PM	036B010.

Level : PAHCAL 2

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
154013.87	9434.57	0.1000	----------	----------	2/6/98	05:34 PM	036B011.

Level : PAHCAL 3

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
400651.72	25680.23	0.2500	----------	----------	2/6/98	05:36 PM	036B012.

Level : PAHCAL 4

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
826438.08	53954.04	0.5000	----------	----------	2/6/98	05:31 PM	036B013.

Level : PAHCAL 5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
1822260.29	116008.89	1.0000	----------	----------	2/6/98	05:31 PM	036B014.

Component: Chrysene

Level : PAHCAL 1

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
14872.87	952.71	0.0500	----------	----------	2/6/98	05:30 PM	036B010.

Level : PAHCAL 2

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
33784.13	1955.32	0.1000	----------	----------	2/6/98	05:34 PM	036B011.

Level : PAHCAL 3

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
80477.28	4968.04	0.2500	----------	----------	2/6/98	05:36 PM	036B012.

Level : PAHCAL 4

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
161260.92	10009.78	0.5000	----------	----------	2/6/98	05:31 PM	036B013.

Level : PAHCAL 5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
371337.71	22843.83	1.0000	----------	----------	2/6/98	05:31 PM	036B014.

Component: Benzo(b)fluoranthene

Level : PAHCAL 1

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
108990.00	6501.47	0.1000	----------	----------	2/6/98	05:30 PM	036B010.

Level : PAHCAL 2

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
262593.04	14674.57	0.2000	----------	----------	2/6/98	05:34 PM	036B011.

Level : PAHCAL 3

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
716803.44	42866.55	0.5000	----------	----------	2/6/98	05:36 PM	036B012.

Level : PAHCAL 4

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
1433826.00	88839.29	1.0000	----------	----------	2/6/98	05:31 PM	036B013.

Level : PAHCAL 5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
3079907.00	185511.64	2.0000	----------	----------	2/6/98	05:31 PM	036B014.

Component: Benzo(k)fluoranthene

Level : PAHCAL 1

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
102316.00	6669.24	0.0500	----------	----------	2/6/98	05:30 PM	036B010.

Level : PAHCAL 2

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
225701.96	14699.47	0.1000	----------	----------	2/6/98	05:34 PM	036B011.

Level : PAHCAL 3

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
629584.95	42275.53	0.2500	----------	----------	2/6/98	05:36 PM	036B012.

Level : PAHCAL 4

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
1234376.00	88165.97	0.5000	----------	----------	2/6/98	05:31 PM	036B013.

Level : PAHCAL 5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
2621152.00	182840.23	1.0000	----------	----------	2/6/98	05:31 PM	036B014.

Component: Benzo(a)pyrene

Level : PAHCAL 1

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
73749.00	5131.92	0.0500	----------	----------	2/6/98	05:30 PM	036B010.

Level : PAHCAL 2

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
160599.00	11280.91	0.1000	----------	----------	2/6/98	05:34 PM	036B011.

Level : PAHCAL 3

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
463582.84	33040.11	0.2500	----------	----------	2/6/98	05:36 PM	036B012.

Level : PAHCAL 4

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
918535.00	70162.96	0.5000	----------	----------	2/6/98	05:31 PM	036B013.

Level : PAHCAL 5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
2002106.00	152500.07	1.0000	----------	----------	2/6/98	05:31 PM	036B014.

Component: Dibenzo(ah)anthracen

Level : PAHCAL 1

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
55552.19	3960.12	0.1000	----------	----------	2/6/98	05:30 PM	036B010.

Level : PAHCAL 2

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
105844.00	8329.01	0.2000	----------	----------	2/6/98	05:34 PM	036B011.

Level : PAHCAL 3

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
330953.32	25688.99	0.5000	----------	----------	2/6/98	05:36 PM	036B012.

Level : PAHCAL 4

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
676331.07	56832.62	1.0000	----------	----------	2/6/98	05:31 PM	036B013.

Level : PAHCAL 5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
1497969.78	125960.51	2.0000	----------	----------	2/6/98	05:31 PM	036B014.

ponent: Benzo(ghi)perylene

Level : PAHCAL 1

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
68557.10	5106.24	0.1000	----------	----------	2/6/98	05:30 PM	036B010.

Level : PAHCAL 2

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
147166.00	11212.45	0.2000	----------	----------	2/6/98	05:34 PM	036B011.

Level : PAHCAL 3

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
453710.32	35705.94	0.5000	----------	----------	2/6/98	05:36 PM	036B012.

Level : PAHCAL 4

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
966370.55	76196.09	1.0000	----------	----------	2/6/98	05:31 PM	036B013.

Level : PAHCAL 5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
2143810.22	172253.67	2.0000	----------	----------	2/6/98	05:31 PM	036B014.

Component: Indeno(123cd)pyrene

Level : PAHCAL 1

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time	File

15224.71	1130.22	0.0500	----------	----------	2/6/98	05:30 PM	036B010.

Level : PAHCAL 2

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
36296.00	2455.83	0.1000	----------	----------	2/6/98	05:34 PM	036B011.

Level : PAHCAL 3

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
125270.12	7333.96	0.2500	----------	----------	2/6/98	05:36 PM	036B012.

Level : PAHCAL 4

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
223518.75	14423.65	0.5000	----------	----------	2/6/98	05:31 PM	036B013.

Level : PAHCAL 5

Area	Height	Amount	ISTD Response	ISTD Amount	Date/Time		File
419187.00	32976.61	1.0000	----------	----------	2/6/98	05:31 PM	036B014.

PAH CALIBRATION VERIFICATION SUMMARY

Lab Name: CURTIS & TOMPKINS, LTD. Contract: N/A

Lab Code:N/A Case No.:N/A SAS No.: N/A SDG No.:N/A

Column: Supelcosil PAH Init. Calib. Date(s): 02/06/98

EPA Sample No.: PAH CCV MENAP Date Analyzed: 3/3/98

LAB Sample ID: 98WS5427A Time Analyzed: 12:34 AM

Data File: G:\HPLC1\UV\061A007

UV COMPOUNDS		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Naphthalene		4.9507	5	1.0
Acenaphthene		4.6729	5	6.5
Acenaphthylene		9.381	10	6.2
Fluorene		0.9459	1.0	5.4
1-Methylnapthalene		52.3962	50	4.8

EPA Sample No.: PAH CCV MENAP Date Analyzed: 3/3/98

LAB Sample ID : 98WS5427A Time Analyzed: 12:34 AM

Data File: G:\HPLC1\FL\061B007

FLUORESCENCE COMPOUNDS		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Phenanthrene		0.48	0.50	3.2
Anthracene		0.48	0.50	3.2
Fluoranthene		0.91	1.00	9.3
Pyrene		0.39	0.50	22.5
Benzo(a)anthracene		0.44	0.50	12.8
Chrysene		0.45	0.50	10.9
Benzo(b)flouranthene		0.94	1.00	6.3
Benzo(k)flouranthene		0.48	0.50	3.1
Benzo(a)pyrene		0.41	0.50	18.6
Dibenzo(ah)anthracene		0.96	1.00	3.9
Benzo(ghi)perylene		0.76	1.00	24.0
Indeno(123cd)pyrene		0.55	0.50	10.0
1-Methylnapthalene		51.1	50	2.1

QC LIMITS: %D of amounts must be less than or equal to 15 on the UV detector.
QC LIMITS: %D of amounts must be less than or equal to 25 on the Fluorescence detector.

PAH CALIBRATION VERIFICATION SUMMARY

Lab Name: CURTIS & TOMPKINS, LTD. Contract: N/A

Lab Code:N/A Case No.:N/A SAS No.: N/A SDG No.:N/A

Column: Supelcosil PAH Init. Calib. Date(s): 02/06/98

EPA Sample No.: PAH CCV Date Analyzed: 3/3/98

LAB Sample ID: [illegible]27A Time Analyzed: 06:40 PM

Data File: G:\HPLC1\UV\061A021

UV COMPOUNDS		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Naphthalene		4.8397	5	3.2
Acenaphthene		4.7109	5	5.8
Acenaphthylene		9.2669	10	7.3
Fluorene		0.9513	1.0	4.9
1-Methylnapthalene		52.0026	50	4.0

EPA Sample No.: PAH CCV Date Analyzed: 3/3/98

LAB Sample ID : 98WS5427A Time Analyzed: 06:40 PM

Data File: G:\HPLC1\FL\061B021

FLUORESCENCE COMPOUNDS		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Phenanthrene		0.46	0.50	8.4
Anthracene		0.46	0.50	8.4
Fluoranthene		0.89	1.00	11.0
Pyrene		0.41	0.50	17.3
Benzo(a)anthracene		0.44	0.50	12.6
Chrysene		0.44	0.50	12.6
Benzo(b)flouranthene		0.92	1.00	7.8
Benzo(k)flouranthene		0.46	0.50	7.4
Benzo(a)pyrene		0.40	0.50	19.2
Dibenzo(ah)anthracene		0.88	1.00	11.8
Benzo(ghi)perylene		0.80	1.00	19.7
Indeno(123cd)pyrene		0.53	0.50	6.8
1-Methylnapthalene		50.0	50	0.1

QC LIMITS: %D of amounts must be less than or equal to 15 on the UV detector.
QC LIMITS: %D of amounts must be less than or equal to 25 on the Fluorescence detector.

Sequence File : G:\HPLC1\0302.seq
Created by : on : 3/2/98 04:48 PM
Edited by : on : 3/2/98 04:57 PM
Number Of Times Edited : 4

Sequence File Header Information:

Study Name :
Segment Interface : YES
Number of Cycles : 53
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions

Cycle	Sample Name	Sample Number	Site	Rack	Vial	Sample Amount	ISTD Amount	Inj. Volume	Dil. Factor	Mult	Divisor	Addend	Inst File	Output Device
1	PRIMER	061	A	1	0	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
2	PRIMER		A	1	1	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
3	PRIMER		A	1	2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
4	PRIMER		A	1	3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
5	PRIMER		A	1	4	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
6	IB		A	1	5	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
7	PAH CCV MENAP - ok	98WS5427A	A	1	6	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
8	PAH CCV MENAP	98WS5427A	A	1	7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
9	IB		A	1	8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
10	MB,QC64850	39266	A	1	9	1.000	1.000	1.000	1.000	0.067	1.000	0.000	8310	LPT1
11	LCS,QC64851	39266	A	1	10	1.000	1.000	1.000	1.000	0.067	1.000	0.000	8310	LPT1
12	MS,QC64852	39266	A	1	11	1.000	1.000	1.000	1.000	0.067	1.000	0.000	8310	LPT1
13	MSD,QC64853	39266	A	1	12	1.000	1.000	1.000	1.000	0.067	1.000	0.000	8310	LPT1
14	IB		A	1	13	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
15	MB,QC64832	39261	A	1	14	1.000	1.000	1.000	1.000	0.002	1.000	0.000	8310	LPT1
16	BS,QC64833	39261	A	1	15	1.000	1.000	1.000	1.000	0.002	1.000	0.000	8310	LPT1
17	BSD,QC64834	39261	A	1	16	1.000	1.000	1.000	1.000	0.002	1.000	0.000	8310	LPT1
18	132408-001	39261	A	1	17	1.000	1.000	1.000	1.000	0.002	1.000	0.000	8310	LPT1
19	132408-003	39261	A	1	18	1.000	1.000	1.000	1.000	0.002	1.000	0.000	8310	LPT1
20	IB		A	1	19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
21	PAH CCV - ok	98WS5427A	A	1	20	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
22	PAH CCV	98WS5427A	A	1	21	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
23	IB		A	1	22	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
24	MB,QC65154 Re-run	39347	A	1	23	1.000	1.000	1.000	1.000	0.067	1.000	0.000	8310	LPT1
25	LCS,QC65155	39347	A	1	24	1.000	1.000	1.000	1.000	0.067	1.000	0.000	8310	LPT1
26	MS,QC65156	39347	A	1	25	1.000	1.000	1.000	1.000	0.067	1.000	0.000	8310	LPT1
27	MSD,QC65157	39347	A	1	26	1.000	1.000	1.000	1.000	0.067	1.000	0.000	8310	LPT1
28	132409-006	39347	A	1	27	1.000	1.000	1.000	1.000	0.067	1.000	0.000	8310	LPT1
29	132409-008	39347	A	1	28	1.000	1.000	1.000	1.000	0.067	1.000	0.000	8310	LPT1
30	132409-010	39347	A	1	29	1.000	1.000	1.000	1.000	0.067	1.000	0.000	8310	LPT1
31	132409-012	39347	A	1	30	1.000	1.000	1.000	1.000	0.067	1.000	0.000	8310	LPT1
32	IB		A	1	31	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
33	ACN CHECK	38013	A	1	32	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
34	ACN CHECK	37188	A	1	33	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
35	IB		A	1	34	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
36	PAH CCV - Fail	98WS5427A	A	1	35	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
37	PAH CCV - Fail	98WS5427A	A	1	36	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
38	IB		A	1	37	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
39			A	1	38	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
40			A	1	39	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
41			A	1	40	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
42			A	1	41	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
43			A	1	42	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
44			A	1	43	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
45			A	1	44	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
46			A	1	45	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
47			A	1	46	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
48			A	1	47	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
49			A	1	48	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
50			A	1	49	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
51			A	1	50	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
52			A	1	51	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1
53			A	1	52	1.000	1.000	1.000	1.000	1.000	1.000	0.000	8310	LPT1

Sequence Process Description - Channel A

Cycle	Process File	Sample File	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Mode	Level Name	Update RT	Norm. Factor

1	PNA_UV	UV_0206	PNAU_ASC	061A001	061A001		N	N	100.000
2	PNA_UV	UV_0206	PNAU_ASC	061A002	061A002		N	N	100.000
3	PNA_UV	UV_0206	PNAU_ASC	061A003	061A003		N	N	100.000
4	PNA_UV	UV_0206	PNAU_ASC	061A004	061A004		N	N	100.000
5	PNA_UV	UV_0206	PNAU_ASC	061A005	061A005		N	N	100.000
6	PNA_UV	UV_0206	PNAU_ASC	061A006	061A006		N	N	100.000
7	PNA_UV	UV_0206	PNAU_ASC	061A007	061A007		N	N	100.000
8	PNA_UV	UV_0206	PNAU_ASC	061A008	061A008		N	N	100.000
9	PNA_UV	UV_0116	PNAU_ASC	061A009	061A009		N	N	100.000
10	PNA_UV	UV_0206	PNAU_ASC	061A010	061A010		N	N	100.000
11	PNA_UV	UV_0206	PNAU_ASC	061A011	061A011		N	N	100.000
12	PNA_UV	UV_0206	PNAU_ASC	061A012	061A012		N	N	100.000
13	PNA_UV	UV_0206	PNAU_ASC	061A013	061A013		N	N	100.000
14	PNA_UV	UV_0206	PNAU_ASC	061A014	061A014		N	N	100.000
15	PNA_UV	UV_0206	PNAU_ASC	061A015	061A015		N	N	100.000
16	PNA_UV	UV_0116	PNAU_ASC	061A016	061A016			N	100.000
17	PNA_UV	UV_0206	PNAU_ASC	061A017	061A017		N	N	100.000
18	PNA_UV	UV_0206	PNAU_ASC	061A018	061A018		N	N	100.000
19	PNA_UV	UV_0206	PNAU_ASC	061A019	061A019		N	N	100.000
20	PNA_UV	UV_0206	PNAU_ASC	061A020	061A020		N	N	100.000
21	PNA_UV	UV_0206	PNAU_ASC	061A021	061A021		N	N	100.000
22	PNA_UV	UV_0206	PNAU_ASC	061A022	061A022		N	N	100.000
23	PNA_UV	UV_0206	PNAU_ASC	061A023	061A023		N	N	100.000
24	PNA_UV	UV_0206	PNAU_ASC	061A024	061A024		N	N	100.000
25	PNA_UV	UV_0116	PNAU_ASC	061A025	061A025		N	N	100.000
26	PNA_UV	UV_0206	PNAU_ASC	061A026	061A026		N	N	100.000
27	PNA_UV	UV_0206	PNAU_ASC	061A027	061A027		N	N	100.000
28	PNA_UV	UV_0206	PNAU_ASC	061A028	061A028		N	N	100.000
29	PNA_UV	UV_0206	PNAU_ASC	061A029	061A029		N	N	100.000
30	PNA_UV	UV_0206	PNAU_ASC	061A030	061A030		N	N	100.000
31	PNA_UV	UV_0206	PNAU_ASC	061A031	061A031		N	N	100.000
32	PNA_UV	UV_0206	PNAU_ASC	061A032	061A032		N	N	100.000
33	PNA_UV	UV_0206	PNAU_ASC	061A033	061A033		N	N	100.000
34	PNA_UV	UV_0206	PNAU_ASC	061A034	061A034		N	N	100.000
35	PNA_UV	UV_0206	PNAU_ASC	061A035	061A035		N	N	100.000
36	PNA_UV	UV_0116	PNAU_ASC	061A036	061A036		N	N	100.000
37	PNA_UV	UV_0206	PNAU_ASC	061A037	061A037		N	N	100.000
38	PNA_UV	UV_0206	PNAU_ASC	061A038	061A038		N	N	100.000
39	PNA_UV	UV_0206	PNAU_ASC	061A039	061A039		N	N	100.000
40	PNA_UV	UV_0206	PNAU_ASC	061A040	061A040		N	N	100.000
41	PNA_UV	UV_0206	PNAU_ASC	061A041	061A041		N	N	100.000
42	PNA_UV	UV_0206	PNAU_ASC	061A042	061A042		N	N	100.000
43	PNA_UV	UV_0206	PNAU_ASC	061A043	061A043		N	N	100.000
44	PNA_UV	UV_0206	PNAU_ASC	061A044	061A044		N	N	100.000
45	PNA_UV	UV_0206	PNAU_ASC	061A045	061A045		N	N	100.000
46	PNA_UV	UV_0206	PNAU_ASC	061A046	061A046		N	N	100.000
47	PNA_UV	UV_0206	PNAU_ASC	061A047	061A047		N	N	100.000
48	PNA_UV	UV_0206	PNAU_ASC	061A048	061A048		N	N	100.000
49	PNA_UV	UV_0206	PNAU_ASC	061A049	061A049		N	N	100.000
50	PNA_UV	UV_0206	PNAU_ASC	061A050	061A050		N	N	100.000
51	PNA_UV	UV_0206	PNAU_ASC	061A051	061A051		N	N	100.000
52	PNA_UV	UV_0206	PNAU_ASC	061A052	061A052		N	N	100.000
53	PNA_UV	UV_0206	PNAU_ASC	061A053	061A053		N	N	100.000

Sequence Process Description - Channel B

Cycle	Process File	Sample File	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Mode	Level Name	Update RT	Norm. Factor
1	PNA_FL	FL_0206	PNAF_ASC	061B001	061B001			N		N	100.000
2	PNA_FL	FL_0206	PNAF_ASC	061B002	061B002			N		N	100.000
3	PNA_FL	FL_0206	PNAF_ASC	061B003	061B003			N		N	100.000
4	PNA_FL	FL_0206	PNAF_ASC	061B004	061B004			N		N	100.000
5	PNA_FL	FL_0206	PNAF_ASC	061B005	061B005			N		N	100.000
6	PNA_FL	FL_0206	PNAF_ASC	061B006	061B006			N		N	100.000
7	PNA_FL	FL_0206	PNAF_ASC	061B007	061B007			N		N	100.000
8	PNA_FL	FL_0206	PNAF_ASC	061B008	061B008			N		N	100.000
9	PNA_FL	FL_0116	PNAF_ASC	061B009	061B009			N		N	100.000
10	PNA_FL	FL_0116	PNAF_ASC	061B010	061B010			N		N	100.000
11	PNA_FL	FL_0206	PNAF_ASC	061B011	061B011			N		N	100.000
12	PNA_FL	FL_0206	PNAF_ASC	061B012	061B012			N		N	100.000
13	PNA_FL	FL_0206	PNAF_ASC	061B013	061B013			N		N	100.000
14	PNA_FL	FL_0206	PNAF_ASC	061B014	061B014			N		N	100.000
15	PNA_FL	FL_0206	PNAF_ASC	061B015	061B015			N		N	100.000
16	PNA_FL	FL_0206	PNAF_ASC	061B016	061B016			N		N	100.000
17	PNA_FL	FL_0206	PNAF_ASC	061B017	061B017			N		N	100.000
18	PNA_FL	FL_0206	PNAF_ASC	061B018	061B018			N		N	100.000
19	PNA_FL	FL_0206	PNAF_ASC	061B019	061B019			N		N	100.000
20	PNA_FL	FL_0206	PNAF_ASC	061B020	061B020			N		N	100.000
21	PNA_FL	FL_0206	PNAF_ASC	061B021	061B021			N		N	100.000
22	PNA_FL	FL_0206	PNAF_ASC	061B022	061B022			N		N	100.000

23	PNA_FL	FL_0206	PNAF_ASC	061B023	061B023	N	N	100.000
24	PNA_FL	FL_0206	PNAF_ASC	061B024	061B024	N	N	100.000
25	PNA_FL	FL_0116	PNAF_ASC	061B025	061B025	N	N	100.000
26	PNA_FL	FL_0206	PNAF_ASC	061B026	061B026	N	N	100.000
27	PNA_FL	FL_0206	PNAF_ASC	061B027	061B027	N	N	100.000
28	PNA_FL	FL_0206	PNAF_ASC	061B028	061B028	N	N	100.000
29	PNA_FL	FL_0206	PNAF_ASC	061B029	061B029	N	N	100.000
30	PNA_FL	FL_0206	PNAF_ASC	061B030	061B030	N	N	100.000
31	PNA_FL	FL_0206	PNAF_ASC	061B031	061B031	N	N	100.000
32	PNA_FL	FL_0206	PNAF_ASC	061B032	061B032	N	N	100.000
33	PNA_FL	FL_0206	PNAF_ASC	061B033	061B033	N	N	100.000
34	PNA_FL	FL_0206	PNAF_ASC	061B034	061B034	N	N	100.000
35	PNA_FL	FL_0206	PNAF_ASC	061B035	061B035	N	N	100.000
36	PNA_FL	FL_0116	PNAF_ASC	061B036	061B036	N	N	100.000
37	PNA_FL	FL_0206	PNAF_ASC	061B037	061B037	N	N	100.000
38	PNA_FL	FL_0206	PNAF_ASC	061B038	061B038	N	N	100.000
39	PNA_FL	FL_0206	PNAF_ASC	061B039	061B039	N	N	100.000
40	PNA_FL	FL_0206	PNAF_ASC	061B040	061B040	N	N	100.000
41	PNA_FL	FL_0206	PNAF_ASC	061B041	061B041	N	N	100.000
42	PNA_FL	FL_0206	PNAF_ASC	061B042	061B042	N	N	100.000
43	PNA_FL	FL_0206	PNAF_ASC	061B043	061B043	N	N	100.000
44	PNA_FL	FL_0206	PNAF_ASC	061B044	061B044	N	N	100.000
45	PNA_FL	FL_0206	PNAF_ASC	061B045	061B045	N	N	100.000
46	PNA_FL	FL_0206	PNAF_ASC	061B046	061B046	N	N	100.000
47	PNA_FL	FL_0206	PNAF_ASC	061B047	061B047	N	N	100.000
48	PNA_FL	FL_0206	PNAF_ASC	061B048	061B048	N	N	100.000
49	PNA_FL	FL_0206	PNAF_ASC	061B049	061B049	N	N	100.000
50	PNA_FL	FL_0206	PNAF_ASC	061B050	061B050	N	N	100.000
51	PNA_FL	FL_0206	PNAF_ASC	061B051	061B051	N	N	100.000
52	PNA_FL	FL_0206	PNAF_ASC	061B052	061B052	N	N	100.000
53	PNA_FL	FL_0206	PNAF_ASC	061B053	061B053	N	N	100.000

ORGANIC EXTRACTION RECORD

02/24/98 17:25:09

Batch Number : 39261
Date Extracted : 24-FEB-98
Extracted By : Erik D. Feten
Prep Method : 3520

Analysis: 8310
Bgroup : N/A
Units : ml
Clean-up:

Surrogate ID : 98SS596F
Internal Std. ID:
B/M Spike ID : 98WS5449B

Sample No.	Type	Client	Matrx	Init W/V	U	Final Vol	Prep D.F.	Clean D.F.	pH	Analysis	Comments
132408-001		CAL Inc.	Water	1060	ml	2	.0019	1	7	8310	
132408-003		CAL Inc.	Water	1050	ml	2	.0019	1	7	8310	
QC64832	BLANK		Water	1000	ml	2	.002	1		8310	
QC64833	BS		Water	1000	ml	2	.002	1		8310	
QC64834	BSD		Water	1000	ml	2	.002	1		8310	

Prep Chemist: _____ Reviewed By: CS Date: 2/26/98

Curtis and Tompkins, Ltd **PAHs BY HPLC WATER PREP LOG** **BK0850**

LIMS Batch No: 39261
LIMS Analysis: 8310
Extracted by: EDF
Date Extracted: 02/24/98

Extraction Method:
☐ mod. EPA 3510 sep. funnel
☒ mod. EPA 3520 cont. L/L
☐ _____

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Continued from Page —

Sample ID	Volume of Sample (mL)	Sample pH	Final Volume (mL)	Comments
132408-001 B	1060	7	2.0	
↓ -003 A	1050	7	↓	
BLANK QC64832	1000	N/A		
BS ↓ 3	↓	↓		
BSD ↓ 4	↓	↓		

	Mfg & Lot # / LIMS # / Time	Date/Initials
100 uL of surrogate solution was added to all samples	98555961	F
1.0 mL of matrix spiking solution was added to all spikes	98W5449 3	F 2/24/98
☒ Samples were continuously extracted with 450 mL of CH_2Cl_2	937251	↓
Extraction Start Time:	16:25	
Extraction End Time:	10:49	2/25
☐ Samples were extracted 3 times with 60 mL of CH_2Cl_2	N/A	
Extracts filtered through baked, CH_2Cl_2-rinsed powdered Na_2SO_4	EM36332746	LS 2/26
Solvent exchanged with Acetonitrile/Concentrated to volumes as noted above	SM37188	↓
Extracts filtered through 0.45um Nylon syringe filter	GELMAN 5513	↓

2/24/98
Extraction Chemist **Date**

Continued on Page —

Cay Sellers 2/26/98
Reviewed by **Date**

TEH-Tot Ext Hydrocarbons

Client: CAL Inc.
Project#: 2809
Location: Camp Parks

Analysis Method: EPA 8015M
Prep Method: EPA 3520

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
132408-001	W-22-B3	39208	02/18/98	02/20/98	02/23/98	
132408-003	W-22-B4	39208	02/18/98	02/20/98	02/23/98	
132408-004	W-22-B4D	39208	02/18/98	02/20/98	02/23/98	
132408-005	RINSATE BLANK	39208	02/18/98	02/20/98	02/23/98	

Matrix: Water

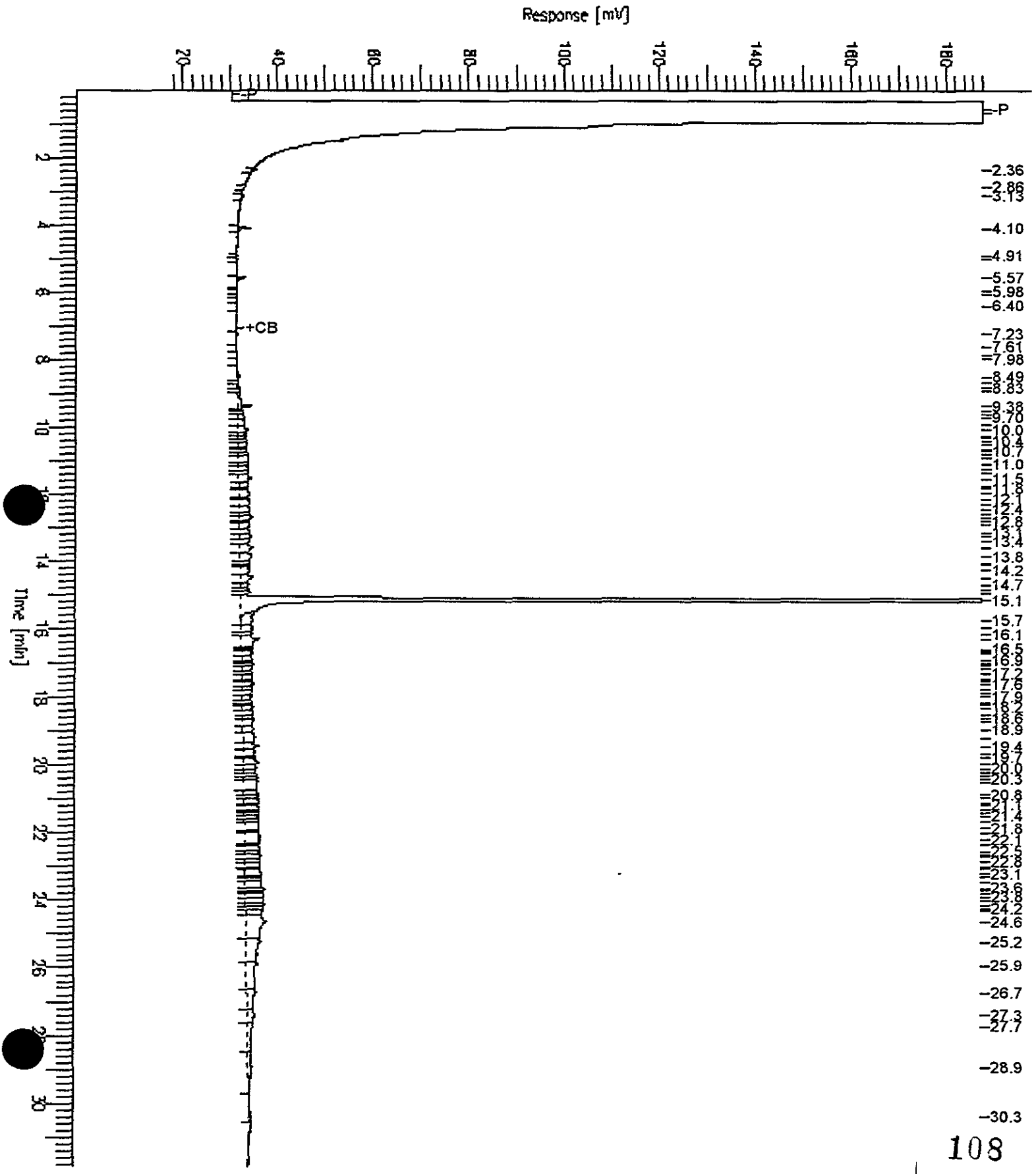
Analyte	Units	132408-001	132408-003	132408-004	132408-005
Diln Fac:		1	1	1	1
Diesel C12-C22	ug/L	58 YH	<50	51 YH	<50
Surrogate					
Hexacosane	%REC	107	113	126	115

Y: Sample exhibits fuel pattern which does not resemble standard
H: Heavier hydrocarbons than indicated standard

Chromatogram

Sample Name : 132408-001,39208
FileName : G:\GC11\CHA\054A010.RAW
Method : ATEH056.MTH
Start Time : 0.01 min End Time : 31.91 min
Slope Factor: 0.0 Plot Offset: 17 mV

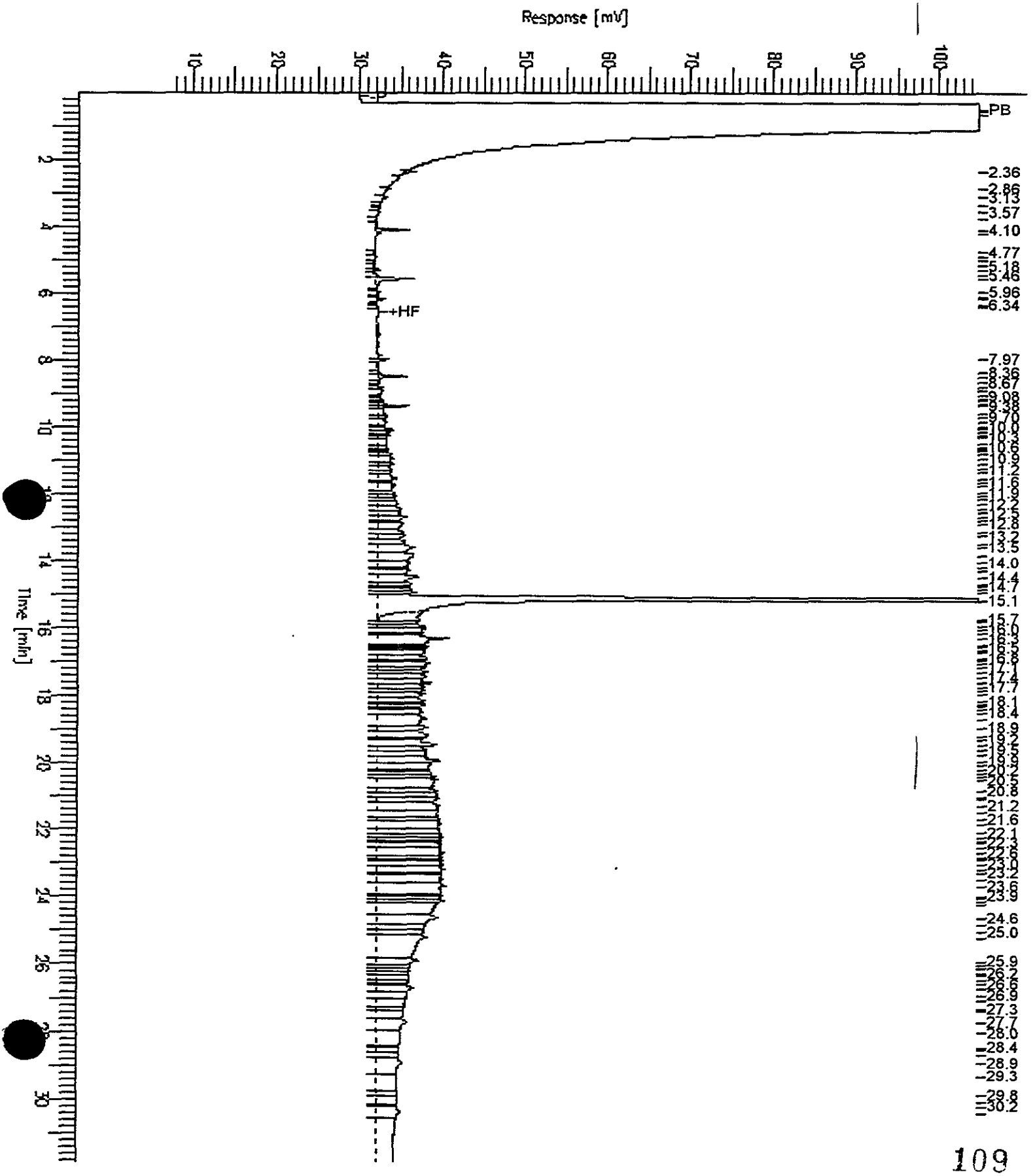
Sample #: 39208 Page 1 of 1
Date : 2/25/98 05:09 PM
Time of Injection: 2/23/98 04:54 PM
Low Point : 16.94 mV High Point : 188.02 mV
Plot Scale: 171.1 mV



Chromatogram

Sample Name : 132408-004,39208
FileName : G:\GC11\CHA\054A012.RAW
[redacted]od : ATEH056.MTH
[redacted]t Time : 0.01 min End Time : 31.91 min
[redacted]le Factor: 0.0 Plot Offset: 7 mV

Sample #: 39208 Page 1 of 1
Date : 2/25/98 05:11 PM
Time of Injection: 2/23/98 06:21 PM
Low Point : 7.11 mV High Point : 104.90 mV
Plot Scale: 97.8 mV



TEH-Tot Ext Hydrocarbons

Client:	CAL Inc.	Analysis Method:	EPA 8015M
Project#:	2809	Prep Method:	EPA 3520
Location:	Camp Parks		

METHOD BLANK

Matrix:	Water	Prep Date:	02/20/98
Batch#:	39208	Analysis Date:	02/23/98
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC64641

Analyte	Result	
Diesel C12-C22	<50	
Surrogate	**%Rec**	**Recovery Limits**
Hexacosane	117	53-136

TEH-Tot Ext Hydrocarbons

Client: CAL Inc.
Project#: 2809
Location: Camp Parks

Analysis Method: EPA 8015M
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 39208
Units: ug/L
Diln Fac: 1

Prep Date: 02/20/98
Analysis Date: 02/24/98

BS Lab ID: QC64642

Analyte	Spike Added	BS	%Rec #	Limits
Diesel C12-C22	2475	2116	85	58-110
Surrogate	**%Rec**	**Limits**		
Hexacosane	104	53-136		

BSD Lab ID: QC64643

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
Diesel C12-C22	2475	2625	106	58-110	21	21
Surrogate	**%Rec**	**Limits**				
Hexacosane	104	53-136				

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

Turbochrom Method File : G:\GC11\ATEH056.MTH
Created by : DC on : 2/25/98 10:32 AM
Edited by : DCM on : 2/25/98 10:32 AM
Description : DSL CALIBRATED ON 2/11/98 SEQ. 0205
JETA 1PT CALIBRATED ON 11/17/97 SEQ.1117
MO 1PT CALIBRATED ON 2/25/98 SEQ. 0223
JP5 1PT CALIBRATED ON 2/20/98 SEQ.0219
RU 1 PT CALIBRATED ON 11/4/97 SEQ. 1103
KEROSENE CALIBRATED ON 11/20/97 SEQ. 1

Number of Times Edited : 0
Number of Times Calibrated : 55

Global Information :

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :

JETA:10-16
Component Type : Timed Group
Start Time : 1.803 min End Time : 8.161 min
Reference Component:
Quantitation will be done using response factor = 44706.000000

JP7:10-16
Component Type : Timed Group
Start Time : 1.847 min End Time : 8.170 min
Reference Component:
Quantitation will be done using response factor = 45725.000000

KER:10-16
Component Type : Timed Group
Start Time : 1.847 min End Time : 8.170 min
Reference Component:
Quantitation will be done using response factor = 47427.000000

JP5:10-16
Component Type : Timed Group
Start Time : 1.847 min End Time : 8.170 min
Reference Component:
Quantitation will be done using response factor = 46445.000000

DSL:10-24
Component Type : Timed Group
Start Time : 1.847 min End Time : 14.601 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:

Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
11	10.0000	819864.12	[illegible]8402.73			1
12	50.0000	2909740.61	[illegible]3126.78			1
13	100.0000	5676011.63	986393.55			1
14	250.0000	12684418.96	[illegible]e+06			1
15	500.0000	26517597.78	[illegible]e+06			1
16	1000.0000	50408159.14	[illegible]e+07			1
18	5000.0000	2.44e+08	[illegible]e+07			1

Average Calibration Factor = 57140.565377 (%RSD = 20.09)

HYFL:12-22
Component Type : Timed Group
Start Time : 3.934 min End Time : 13.183 min
Reference Component:
Quantitation will be done using response factor = 20396.000000

CYTORSOY:12-22
Component Type : Timed Group
Start Time : 3.934 min End Time : 13.183 min
Reference Component:
Quantitation will be done using response factor = 1.000000e+06

JAPAN C 12-22
Component Type : Timed Group
Start Time : 3.934 min End Time : 13.183 min
Reference Component:
Quantitation will be done using response factor = 39652.000000

DRO:12-22
Component Type : Timed Group
Start Time : 3.944 min End Time : 13.194 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
40	10.0000	367156.16	25517.47			0
41	100.0000	6049992.31	1.[illegible]8e+06			0
42	250.0000	16635488.00	3.[illegible]4e+06			0
43	500.0000	32308496.64	3.65e+06			0
44	1000.0000	65720840.87	.57e+07			0
45	1200.0000	80482521.94	1.93e+07			0

Average Calibration Factor = 60194.015543 (%RSD = 19.5[illegible]

TROIL:12-22
Component Type : Timed Group

Start Time : 3.944 min End Time : 13.194 min
Reference Component:
Quantitation will be done using response factor = 62371.639200

DSL:12-22
Component Type : Timed Group
Start Time : 3.944 min End Time : 13.194 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
11	10.0000	541398.34	48302.53	----------	----------	1
13	100.0000	4452837.01	805792.02	----------	----------	1
14	250.0000	10123156.98	2.09e+06	----------	----------	1
15	500.0000	21236523.50	4.60e+06	----------	----------	1
16	1000.0000	40507177.35	9.44e+06	----------	----------	1
17	2500.0000	1.22e+08	2.50e+07	----------	----------	1
18	5000.0000	1.97e+08	3.70e+07	----------	----------	1

Average Calibration Factor = 44335.168127 (%RSD = 12.14)

DRO:10-26
Component Type : Timed Group
Start Time : 1.847 min End Time : 15.933 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
40	10.0000	924296.99	83175.22	----------	----------	1
41	100.0000	9189987.67	1.67e+06	----------	----------	1
42	250.0000	24780071.04	5.38e+06	----------	----------	1
43	500.0000	47543863.25	1.11e+07	----------	----------	1
44	1000.0000	96606605.99	2.06e+07	----------	----------	1
45	1200.0000	1.18e+08	2.71e+07	----------	----------	1

Average Calibration Factor = 95600.011453 (%RSD = 3.16)

DSL:12-24
Component Type : Timed Group
Start Time : 3.944 min End Time : 14.601 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000

Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
11	10.0000	541398.34	48802.53			1
12	50.0000	2333081.03	605791.23			1
13	100.0000	4532312.52	809467.68			1
14	250.0000	10203840.48	2.10e+06			1
15	500.0000	21398528.16	4.61e+06			1
16	1000.0000	40749981.31	9.40e+06			1
18	5000.0000	1.98e+08	3.72e+07			1

Average Calibration Factor = 44305.056620 (%RSD = 11.36)

DSL:10-28

Component Type : Timed Group
Start Time : 1.847 min End Time : 17.140 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
11	10.0000	919864.12	58402.73			1
12	50.0000	2918500.16	746153.81			1
13	100.0000	5694709.69	987543.75			1
14	250.0000	12696191.24	2.58e+06			1
15	500.0000	26569681.33	5.63e+06			1
16	1000.0000	50477468.78	1.13e+07			1
18	5000.0000	2.45e+08	4.36e+07			1

Average Calibration Factor = 57231.117332 (%RSD = 20.02)

BUNKC:12-50

Component Type : Timed Group
Start Time : 3.944 min End Time : 28.376 min
Reference Component:
Quantitation will be done using response factor = 28968.000000

MO:20-36

Component Type : Timed Group
Start Time : 11.663 min End Time : 21.205 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
51	50.0000	2332021.38	201151.76			1
53	250.0000	12203110.0	1.40e+06			
54	500.0000	27705518.71	3.04e+06			
56	2500.0000	41333474.	5.25e+06			

56	1000.0000	54112534.80	7.35e+06	----------	----------	1
57	2500.0000	1.35e+08	1.80e+07	----------	----------	1
[illegible]	5000.0000	2.83e+08	3.14e+07	----------	----------	1

Average Calibration Factor = 52931.500741 (%RSD = 7.01)

MO:22-36
Component Type : Timed Group
Start Time : 13.194 min End Time : 21.205 min
Reference Component:
Quantitation will be done using response factor = 38497.000000

MO:24-36
Component Type : Timed Group
Start Time : 14.601 min End Time : 21.205 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
51	50.0000	1474346.75	120849.09	----------	----------	1
53	250.0000	8170725.63	908282.21	----------	----------	1
54	500.0000	18626354.70	2.27e+06	----------	----------	1
56	1000.0000	36663455.75	4.38e+06	----------	----------	1
57	2500.0000	90928561.76	1.06e+07	----------	----------	1
58	5000.0000	1.92e+08	1.94e+07	----------	----------	1

Average Calibration Factor = 35132.549582 (%RSD = 9.57)

MO:22-50
Component Type : Timed Group
Start Time : 13.194 min End Time : 28.376 min
Reference Component:
Quantitation will be done using response factor = 28735.822000

MO:24-50
Component Type : Timed Group
Start Time : 14.601 min End Time : 28.376 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
51	50.0000	1563846.11	127702.96	----------	----------	1
53	250.0000	8389528.26	920622.99	----------	----------	1
54	500.0000	19169118.42	2.30e+06	----------	----------	1
55	750.0000	28643929.22	3.17e+06	----------	----------	1
56	1000.0000	37419648.68	4.41e+06	----------	----------	1
57	2500.0000	94086807.14	1.07e+07	----------	----------	1
58	5000.0000	1.96e+08	2.2e+07	----------	----------	1

Average Calibration Factor = 36524.806955 (%RSD = 8.05)

Calibration Replicate Lists:

Component: JETA:10-16

Level : 21

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
406815.23	83303.47	10.0000	----------	----------	8/7/97	11:52 AM	216B056P

Level : 22

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2847332.53	577677.51	75.0000	----------	----------	8/6/97	12:29 PM	216B044P

Level : 23

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5345950.62	1.15525e+06	150.0000	----------	----------	8/6/97	12:29 PM	216B045P

Level : 24

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
10423911.63	2.11480e+06	300.0000	----------	----------	8/6/97	12:29 PM	216B046P

Level : 25

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
26968365.84	5.52537e+06	750.0000	----------	----------	8/6/97	12:29 PM	216B04[illegible]

Level : 26

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
55756372.32	1.03948e+07	1500.0000	----------	----------	8/6/97	12:29 PM	216B048P

Level : 27

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1.1293950e+08	1.76923e+07	3000.0000	----------	----------	8/6/97	12:29 PM	[illegible]

Component: JP7:10-16

This component has no calibration levels

Component: KER:10-16

This component has no calibration levels

Component: JP5:10-16

Level : 31

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
456101.60	96647.94	10.0000	----------	----------	8/7/97	11:55 AM	216B05[illegible]

Level : 30

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
[illegible]	[illegible]	250.0000	----------	----------	8/6/97	12:11 PM	216B037P

Level : 32

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
.0417810.38	3.83443e+06	500.0000	----------	----------	8/6/97 12:11 PM	216B038P

Level : 33

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
37372421.79	8.84037e+06	1000.0000	----------	----------	8/6/97 12:11 PM	216B039P

Level : 34

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
[illegible]	1.17778e+07	1500.0000	----------	----------	8/6/97 12:11 PM	216B040P

Level : 36

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
84813939.23	1.65311e+07	2500.0000	----------	----------	8/6/97 12:11 PM	216B041P

Component: DSL:10-24

Level : 11

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
819864.12	58402.73	10.0000	----------	----------	2/11/98 01:02 PM	036A002P

Level : 12

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
2909740.61	743126.78	50.0000	----------	----------	9/29/97 03:41 PM	266A013P

Level : 13

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
5676011.63	986593.55	100.0000	----------	----------	2/11/98 01:02 PM	036A003P

Level : 14

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
12684418.96	2.58018e+06	250.0000	----------	----------	2/11/98 01:02 PM	036A004P

Level : 15

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
28517547.79	5.62567e+06	500.0000	----------	----------	2/11/98 01:03 PM	036A005P

Level : 16

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
50408159.14	1.13058e+07	1000.0000	----------	----------	2/11/98 01:03 PM	036A006P

Level : 18

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File

2.4430793e+08	4.35696e+07	5000.0000	----------	----------	2/11/98	01:03 PM	036A005P

Component: HYFL:12-22
This component has no calibration levels

Component: CYTORSOY:12-22
This component has no calibration levels

Component: JAPAN C 12-22
This component has no calibration levels

Component: DRO:12-22
Level : 40
This level has no replicate injections

Level : 41
This level has no replicate injections

Level : 42
This level has no replicate injections

Level : 43
This level has no replicate injections

Level : 44
This level has no replicate injections

Level : 45
This level has no replicate injections

Component: TROIL:12-22
This component has no calibration levels

Component: DSL:12-22
Level : 11

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
541398.34	48802.53	10.0000	----------	----------	2/11/98	01:02 PM	036A002P

Level : 13

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
4452837.01	805792.02	100.0000	----------	----------	2/11/98	01:02 PM	036A003P

Level : 14

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
10123156.98	2.09306e+06	250.0000	----------	----------	2/11/98	01:02 PM	036A004P

Level : 15

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
21236523.50	4.59564e-06	500.0000	----------	----------	2/11/98	01:03 PM	036A005P

Level : 16

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
40507177.35	9.43968e+06	1000.0000	----------	----------	2/11/98	01:03 PM	036A006P

Level : 17

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1.2206590e+08	2.49601e+07	2500.0000	----------	----------	2/11/98	01:03 PM	036A007P

Level : 18

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1.9689379e+08	3.69632e+07	5000.0000	----------	----------	2/11/98	01:03 PM	036A008P

Component: DRO:10-26

Level : 40

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
924295.99	83175.22	10.0000	----------	----------	8/16/96	11:30 AM	228B005.

Level : 41

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
9189987.67	1.67247e+06	100.0000	----------	----------	8/16/96	11:31 AM	228B006.

Level : 42

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
24780071.04	5.38311e+06	250.0000	----------	----------	8/16/96	11:31 AM	228B007.

Level : 43

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
47543863.25	1.13918e+07	500.0000	----------	----------	8/16/96	11:31 AM	228B008.

Level : 44

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
86606605.99	2.06140e+07	1000.0000	----------	----------	8/16/96	11:31 AM	228B009.

Level : 45

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1.1814705e+08	2.50958e+07	1200.0000	----------	----------	8/16/96	11:31 AM	228B010.

Component: DSL:12-24

Level : 11

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
541398.34	48802.53	10.0000	----------	----------	2/11/98	01:02 PM	036A002P

Level : 12

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
2333081.03	605791.23	50.0000	----------	----------	9/29/97 03:41 PM	266A013P

Level : 13

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
4532312.52	809467.68	100.0000	----------	----------	2/11/98 01:02 PM	036A003P

Level : 14

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
10203840.48	2.09537e+06	250.0000	----------	----------	2/11/98 01:02 PM	036A004P

Level : 15

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
21398528.16	4.60764e+06	500.0000	----------	----------	2/11/98 01:03 PM	036A005P

Level : 16

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
40749981.31	9.45958e+06	1000.0000	----------	----------	2/11/98 01:03 PM	036A006P

Level : 18

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
1.9824208e+08	3.71883e+07	5000.0000	----------	----------	2/11/98 01:03 PM	036A008P

Component: DSL:10-28

Level : 11

Area	eight	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
819864.12	58402.73	10.0000	----------	----------	2/11/98 01:02 PM	036A001P

Level : 12

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
2918500.18	746153.81	50.0000	----------	----------	9/29/97 03:41 PM	266A013P

Level : 13

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
5694709.69	987543.75	100.0000	----------	----------	2/11/98 01:02 PM	036A003P

Level : 14

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
12696191.24	2.58068e+06	250.0000	----------	----------	2/11/98 01:02 PM	036A004P

Level : 15

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
26569681.33	5.62908e+06	500.0000	----------	----------	2/11/98 01:03 PM	036A005P

Level : 16

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
50477468.78	1.13101e+07	1000.0000	----------	----------	2/11/98 01:03 PM	036A006P

Level : 18

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
2.4456356e+08	4.35993e+07	5000.0000	----------	----------	2/11/98 01:03 PM	036A008P

Component: BUNKC:12-50

This component has no calibration levels

Component: MO:20-36

Level : 51

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
2332021.38	201151.76	50.0000	----------	----------	12/29/97 05:08 PM	358A025P

Level : 53

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
12203110.02	1.39719e+06	250.0000	----------	----------	12/29/97 05:08 PM	358A027P

Level : 54

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
27705518.71	3.53531e+06	500.0000	----------	----------	12/29/97 05:08 PM	358A028P

Level : 55

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
41333474.68	5.25060e+06	750.0000	----------	----------	12/29/97 05:08 PM	358A029P

Level : 56

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
54112534.80	7.34552e+06	1000.0000	----------	----------	12/29/97 05:08 PM	358A030P

Level : 57

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
1.3478666e+08	1.79656e+07	2500.0000	----------	----------	12/29/97 05:08 PM	358A031P

Level : 58

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
2.8259050e+08	3.13747e+07	5000.0000	----------	----------	12/29/97 05:03 PM	358A032P

Component: MO:22-36

This component has no calibration levels

Component: MO:24-36

Level : 51

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
14[illegible]346.75	120849.09	50.0000	----------	----------	12/29/97	05:08 PM	358A025P

Level : 53

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
8170725.63	908282.21	250.0000	----------	----------	12/29/97	05:08 PM	358A027P

Level : 54

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
18626354.70	2.27405e+06	500.0000	----------	----------	12/29/97	05:08 PM	358A028P

Level : 56

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
36663455.75	4.37570e+06	1000.0000	----------	----------	12/29/97	05:08 PM	358A030P

Level : 57

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
90928561.76	1.05816e+07	2500.0000	----------	----------	12/29/97	05:08 PM	358A031P

Level : 58

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1.916893e+08	1.94078e+07	5000.0000	----------	----------	12/29/97	05:08 PM	358A032P

Component: MO:22-50

Level : 50

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1138496.38	81883.42	25.0000	----------	----------	12/29/97	05:08 PM	358A024P

Level : 51

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
2039751.32	188356.02	50.0000	----------	----------	12/29/97	05:08 PM	358A025P

Level : 52

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
4199886.67	47189[illegible].22	0.0000	----------	---- -----	12/29/97	05:08 PM	358A026P

Level : 53

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
10727847.12	1.22608e+06	250.0000	----------	----------	12/29/97	05:08 PM	358A027P

Level : 54

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
14577612.87	2.99553e+06	500.0000	----------	----------	12/29/97	05:08 PM	358A028P

Level : 55

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
3e703551.65	4.49245e+06	750.0000	----------	----------	12/29/97 05.08 PM	358A029P

Level : 56

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
47761561.77	6.22188e+06	1000.0000	----------	----------	12/29/97 05:08 PM	358A030P

Level : 57

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
1.2017892e+08	1.48393e+07	2500.0000	----------	----------	12/29/97 05:08 PM	358A031P

Level : 58

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
2.5059424e+08	2.60450e+07	5000.0000	----------	----------	12/29/97 05:08 PM	358A032P

Component: MO:24-50

Level : 51

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
1563846.11	127702.96	50.0000	----------	----------	12/29/97 05:08 PM	358A025P

Level : 53

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
8389528.26	920622.99	250.0000	----------	----------	12/29/97 05:08 PM	358A027P

Level : 54

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
19169118.42	2.30247e+06	500.0000	----------	----------	12/29/97 05:08 PM	358A028P

Level : 55

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
28643929.22	3.16808e+06	750.0000	----------	----------	12/29/97 05:08 PM	358A029P

Level : 56

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
[illegible]	4.41[illegible]	1000.0000	----------	----------	12/29/97 05:08 PM	358A030P

Level : 57

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
94086807.14	1.06667e+07	2500.0000	----------	----------	12/29/97 05:08 PM	358A031P

Level : 58

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
1.9627550e+08	1.95900e+07	5000.0000	----------	----------	12/29/97 05:08 PM	358A032P

Turbochrom Method File : G:\GC11\ASURR056.MTH
Created by : KAH on : 2/25/98 10:35 AM
Edited by : GP on : 2/25/98 10:35 AM
Description : HEXACOSANE CALIBRATED ON 11/12/97 SEQ. G:\GC11\1111
MO 1PT CALIBRATED ON 2/25/98 SEQ.0223

Number of Times Edited : 0
Number of Times Calibrated : 17

Global Information :
Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :
OTP
Component Type : Single Peak Component
Retention Time : 10.401 min Search Window: 9.70 s, 3.00 %
Reference Component:
Find largest peak in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
4	25.0000	547.77	127.80	----------	----------	1
5	50.0000	750.34	239.78	----------	----------	1
6	100.0000	981975.2	430435.03	----------	----------	1

Average Calibration Factor = 3285.555171 (%RSD = 172.23)

HXCS
Component Type : Single Peak Component
Retention Time : 15.609 min Search Window: 5.00 s, 5.00 %
Reference Component:
Find largest peak in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates

4	5.0000	318987.35	150127.06	----------	----------	1
5	10.0000	643101.06	237720.14	----------	----------	1
1	25.0000	1562923.70	538488.53	----------	----------	1
2	50.0000	3038094.84	841764.21	----------	----------	1
3	100.0000	5576661.76	996736.00	----------	----------	1

Average Calibration Factor = 61430.607696 (%RSD = 5.62)

DSL12-28/HXCS
   Component Type   : Named Group
   Group Members:
      HXCS

   Quantitation will be done using response factor = 1.000000

DSL12-36/HXCS
   Component Type   : Named Group
   Group Members:
      HXCS

   Quantitation will be done using response factor = 1.000000

MOIL24-50/HXCS
   Component Type   : Named Group
   Group Members:
      HXCS

   Quantitation will be done using response factor = 1.000000

MOIL36-50/HXCS
   Component Type   : Named Group
   Group Members:
      HXCS

   Quantitation will be done using response factor = 1.000000

MOIL28-50/HXCS
   Component Type   : Named Group
   Group Members:
      HXCS

   Quantitation will be done using response factor = 1.000000

HEXACOSNE
   Component Type   : Named Group
   Group Members:
      HXCS

   Use Average Calibration Factor (Area / Amount)
   User Values:
         Label :
         Value 1: 0.000000
         Value 2: 0.000000
         Value 3: 0.000000
         Value 4: 0.000000
         Value 5: 0.000000
   Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
4	5.0000	318987.35	150127.06	----------	----------	1
5	10.0000	643101.06	287520.14	----------	----------	1
1	25.0000	1562923.70	535488.53	----------	----------	1
2	50.0000	3038094.84	994764.21	----------	----------	1
3	100.0000	5576661.76	996736.00	----------	----------	1

Average Calibration Factor = 61430.607696 (%RSD = 5.62)

DSL10-28/HXCS
Component Type : Named Group
Group Members:
HXCS

Quantitation will be done using response factor = 1.000000

MOIL24-36/HXCS
Component Type : Named Group
Group Members:
HXCS

Quantitation will be done using response factor = 35132.550000

MOIL22-50/HXCS
Component Type : Named Group
Group Members:
HXCS

Quantitation will be done using response factor = 28735.822000

Calibration Replicate Lists:
Component: OTP
Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
547.71	227.80	25.0000	----------	----------	11/12/97	04:47 PM	315A002.

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1[illegible]50.34	239.79	50.0000	----------	----------	11/12/97	04:47 PM	315A003.

Level : 6

Area	Height	Vol Adj Amt	ISTD Respon.	ISTD Amount	Date/Time		File
981975.02	430435.03	100.0000	----------	----------	8/5/96	02:52 PM	214A028.

Component: HXCS
Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
318987.35	150127.06	5.0000	----------	----------	11/12/97	04:47 PM	315A002.

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
643101.06	287520.14	10.0000	----------	----------	11/12/97	04:47 PM	315A003.

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
1562923.70	535488.53	25.0000	----------	----------	11/12/97 04:47 PM	315A004.

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
3038094.84	841764.21	50.0000	----------	----------	11/12/97 04:47	315A005.

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
5576661.76	996736.00	100.0000	----------	----------	11/12/97 04:47 PM	315A006.

Component: DSL12-28/HXCS

Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component: DSL12-36/HXCS

Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component: MOIL24-50/HXCS
Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component: MOIL36-50/HXCS
Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component: MOIL28-50/HXCS
Level : 12

This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component: HEXACOSNE

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
318987.35	150127.06	5.0000	----------	----------	11/12/97	04:47 PM	315A002.

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
643101.06	287520.14	10.0000	----------	----------	11/12/97	04:47 PM	315A003.

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1562923.70	535488.53	25.0000	----------	----------	11/12/97	04:47 PM	315A004.

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
3038094.84	841764.21	50.0000	----------	----------	11/12/97	04:47 PM	315A005.

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5576661.76	996736.00	100.0000	----------	----------	11/12/97	04:47 PM	315A006.

Component: DSL10-28/HXCS

Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14

This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component: MOIL24-36/HXCS
Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

Component: MOIL22-50/HXCS
Level : 12
This level has no replicate injections

Level : 13
This level has no replicate injections

Level : 14
This level has no replicate injections

Level : 15
This level has no replicate injections

Level : 16
This level has no replicate injections

Level : 17
This level has no replicate injections

Level : 18
This level has no replicate injections

TOTAL EXTRACTABLE HYDROCARBON CALIBRATION VERIFICATION SUMMARY

Lab Name: Curtis & Tompkins, Ltd. Lab Code: N/A

Instrument ID: GC 11 Channel: A

Init. Calib. Date(s): 2/11/98

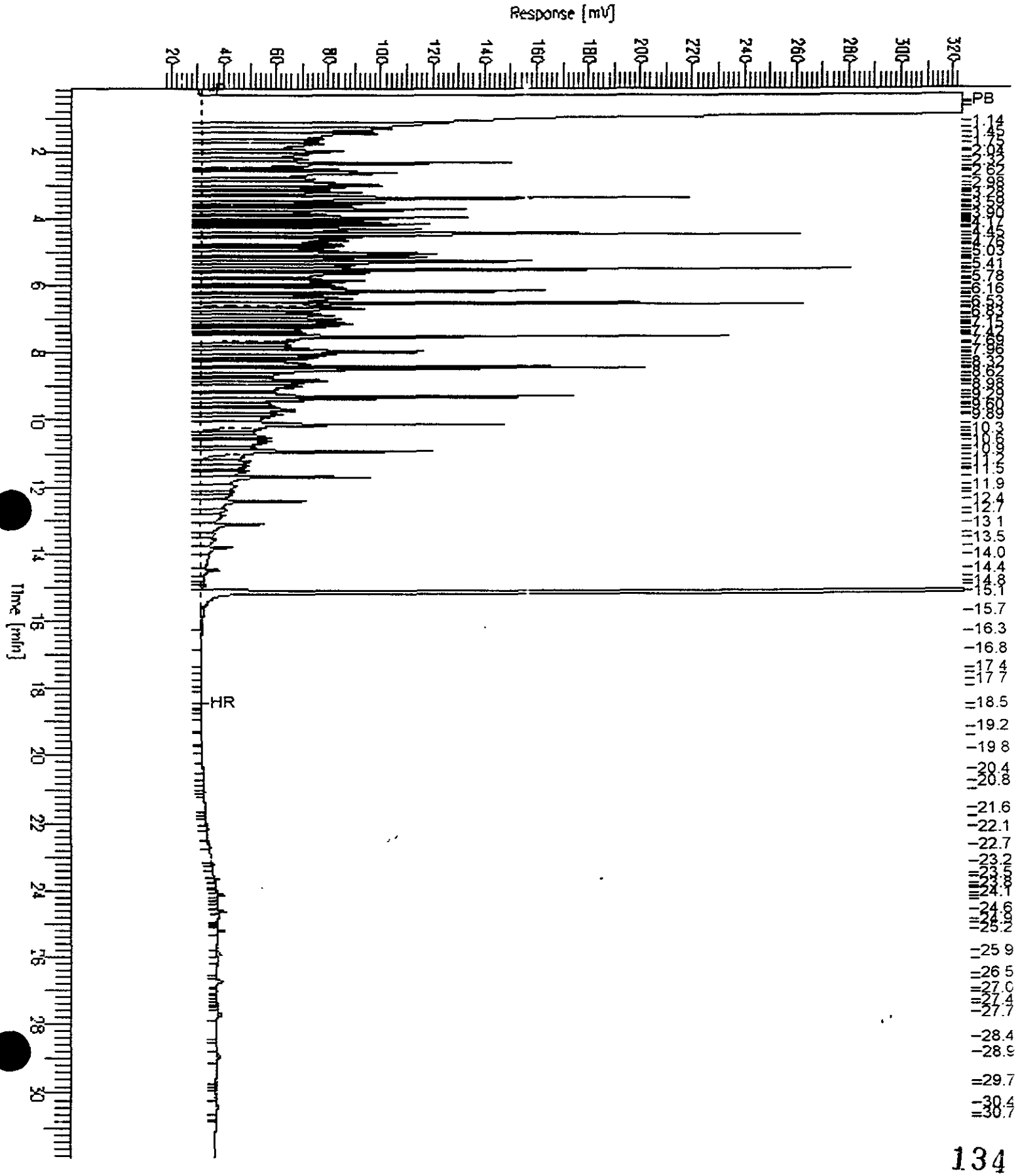
ANALYTE	FILENAME	DATE ANALYZED	CALC AMOUNT Mg/L	NOM AMOUNT Mg/L	%D	HEX RECOVERY %
DIESEL	054A002	2/23/98	496.63	500.0	1	101
DIESEL	054A014	2/23/98	456.05	500.0	9	91
DIESEL	054A029	2/24/98	440.67	500.0	12	88
DIESEL	054A046	2/24/98	540.52	500.0	8	109
DIESEL	054A061	2/25/98	539.7	500.0	8	109

QC LIMITS: %D of amounts must be less than or equal to 15%
Surr recovery limit 85% - 115%

Chromatogram

Sample Name : CCV,98WS5297,DS
FileName : G:\GC11\CHA\054A002.RAW
Method : ATEH051.MTH
Start Time : 0.12 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 16 mV

Sample #: 500MG/L Page 1 of 1
Date : 2/23/98 12:21 PM
Time of Injection: 2/23/98 10:54 AM
Low Point : 16.19 mV High Point : 323.77 mV
Plot Scale: 307.6 mV



Turbochrom Sequence File : G:\GC11\0223.SEQ
Created by : dc on : 2/23/98 10:07 AM
Edited by : DCM on : 2/25/98 10:47 AM
Description :

Number of Times Edited : 8

Sequence File Header Information:

Number of Rows : 84
Instrument Type : HP 5890A GC with HP 7673 Autosampler
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	IB	054A	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	CCV,98WS5297,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	CCV,98WS5439,JE	250MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	132434-001,3920	39208	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
5	Sample	132434-002,3920	39208	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
6	Sample	132435-001,3920	39208	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
7	Sample	MS,QC64493,3916	39165	s	1.000	1.000	1.000	4.000	1.000	1.000	0.000	100.000
8	Sample	MSD,QC64494,391	39165	s	1.000	1.000	1.000	4.000	1.000	1 000	0.000	100.000
9	Sample	MSD,QC64461,391	39157	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
10	Sample	132408-001,3920	39208	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
11	Sample	132408-003,3920	39208	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
12	Sample	132408-004,3920	39208	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
13	Sample	132408-005,3920	39208	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
14	Sample	CCV,98WS5393,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample	CCV,98WS5393,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	CCV,98WS5439,JE	250MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample	CCV,97WS5160,MO	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	IB	054A	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Sample	MB,QC64641,3920	39208	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
20	Sample	BS,QC64642,3920	39208	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
21	Sample	BSD,QC64643,392	39208	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
22	Sample	IB	054A	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample	MB,QC64308,3911	39118	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
24	Sample	BS,QC64309,3911	39118	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
25	Sample	BSD,QC64310,391	39118	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
26	Sample	132302-001,3911	39118	s	1.000	1.000	1.000	1.000	5.100	1.000	0.000	100.000
27	Sample	132327-001,3911	39118	s	1.000	1.000	1.000	1.000	4.900	1.000	0.000	100.000
28	Sample	132337-001,3913	39135	s	1.000	1.000	1.000	2.000	0.100	1.000	0.000	100.000
29	Sample	CCV,98W5S393,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	CCV,98W5S393,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	CCV,97WS5160,MO	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	CCV,98WS5439,JE	250MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	132435-002,3923	39234	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	132439-001,3923	39238	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
35	Sample	132439-002,3923	39238	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
36	Sample	132302-001,3911	39118	s	1.000	1.000	1.000	1.000	5.100	1.000	0.000	100.000
37	Sample	132327-001,3911	39118	s	1.000	1.000	1.000	1.000	4.900	1.000	0.000	100.000
38	Sample	132337-001,3913	39135	s	1.000	1.000	1.000	2.000	0.100	1.000	0.000	100.000
39	Sample	IB	054A	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample	MB,QC64308,3911	39118	s	1.000	1.000	1.000	1.000	5.000	1.000	0.000	100.000
41	Sample	IB	054A	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample	MB,QC64732,3923	39234	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	132337-010,3923	39238	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
44	Sample	132337-011,3923	39238	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
45	Sample	CCV,98WS5439,JE	250MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample	CCV,98WS5393,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Sample	CCV,98WS5393,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample	CCV,98WS5403,MO	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Sample	132337-012,3923	39238	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
50	Sample	IB	054A	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Sample	MB,QC63743,3923	39238	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
52	Sample	LCS,QC64744,392	39238	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
53	Sample	MS,QC64745,3923	39238	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
54	Sample	MSD,QC64746,392	39238	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
55	Sample	LCS,QC64734,392	39234	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Sample	MS,QC64734,3923	39234	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Sample	MSD,QC64735,392	39234	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample	132335-001,3923	39238	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
59	Sample	132335-002,3923	39238	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
60	Sample	CCV,98WS5403,MO	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
61	Sample	CCV,98WS5393,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

62	Sample	CCV,98WS5393,DS	500MG/L	s	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
63	Sample	132335-003,3923	39238	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
64	Sample	132335-004,3923	39238	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
65	Sample	132340-001,3923	39238	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
66	Sample	132340-002,3923	39238	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
67	Sample	132340-003,3923	39238	s	1.000	1.000	1.000	10.000	0.100	1.000	0.000	100.000
68	Sample	132340-004,3923	39238	s	1.000	1.000	1.000	5.000	0.100	1.000	0.000	100.000
69	Sample	132340-005,3923	39238	s	1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
70	Sample	132340-006,3923	39238		1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
71	Sample	132340-007,3923	39238		1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
72	Sample	132340-008,3923	39238		1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
73	Sample	CCV,98WS5393,DS	500MG/L		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
74	Sample	CCV,98WS5393,DS	500MG/L		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
75	Sample	132340-009,3923	39238		1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
76	Sample	132340-010,3923	39238		1.000	1.000	1.000	5.000	0.100	1.000	0.000	100.000
77	Sample	CCV,98WS5393,DS	500MG/L		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
78	Sample	CCV,98WS5393,DS	500MG/L		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
79	Sample				1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
80	Sample				1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
81	Sample				1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
82	Sample				1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
83	Sample				1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000
84	Sample				1.000	1.000	1.000	1.000	0.100	1.000	0.000	100.000

Sequence Process Information - Channel A

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	Our
1	A	-	1	SINGA	ASURR056	ASURR056	ASURR	054A001	054A001		281A001	-	-	-	DEFAULT
2	A	-	2	SINGA	ASURR056	ASURR056	ASURR	054A002	054A002		281A002	-	-	-	DEFAULT
3	A	-	3	SINGA	ASURR056	ASURR056	ASURR	054A003	054A003		281A003	-	-	-	DEFAULT
4	A	-	4	SINGA	ASURR056	ASURR056	ASURR	054A004	054A004		281A004	-	-	-	DEFAULT
5	A	-	5	SINGA	ASURR056	ASURR056	ASURR	054A005	054A005		281A005	-	-	-	DEFAULT
6	A	-	6	SINGA	ASURR056	ASURR056	ASURR	054A006	054A006		281A006	-	-	-	DEFAULT
7	A	-	7	SINGA	ASURR056	ASURR056	ASURR	054A007	054A007		281A007	-	-	-	DEFAULT
8	A	-	8	SINGA	ASURR056	ASURR056	ASURR	054A008	054A008		281A008	-	-	-	DEFAULT
9	A	-	9	SINGA	ASURR056	ASURR056	ASURR	054A009	054A009		281A009	-	-	-	DEFAULT
10	A	-	10	SINGA	ASURR056	ASURR056	ASURR	054A010	054A010		281A010	-	-	-	DEFAULT
11	A	-	11	SINGA	ASURR056	ASURR056	ASURR	054A011	054A011		281A011	-	-	-	DEFAULT
12	A	-	12	SINGA	ASURR056	ASURR056	ASURR	054A012	054A012		281A012	-	-	-	DEFAULT
13	A	-	13	SINGA	ASURR056	ASURR056	ASURR	054A013	054A013		281A013	-	-	-	DEFAULT
14	A	-	14	SINGA	ASURR056	ASURR056	ASURR	054A014	054A014		281A014	-	-	-	DEFAULT
15	A	-	15	SINGA	ASURR056	ASURR056	ASURR	054A015	054A015		281A015	-	-	-	DEFAULT
16	A	-	16	SINGA	ASURR056	ASURR056	ASURR	054A016	054A016		281A016	-	-	-	DEFAULT
17	A	-	17	SINGA	ASURR056	ASURR056	ASURR	054A017	054A017		281A002	-	-	-	DEFAULT
18	A	-	18	SINGA	ASURR056	ASURR056	ASURR	054A018	054A018		281A002	-	-	-	DEFAULT
19	A	-	19	SINGA	ASURR056	ASURR056	ASURR	054A019	054A019		281A002	-	-	-	DEFAULT
20	A	-	20	SINGA	ASURR056	ASURR056	ASURR	054A020	054A020		281A002	-	-	-	DEFAULT
21	A	-	21	SINGA	ASURR056	ASURR056	ASURR	054A021	054A021		281A002	-	-	-	DEFAULT
22	A	-	22	SINGA	ASURR056	ASURR056	ASURR	054A022	054A022		281A002	-	-	-	DEFAULT
23	A	-	23	SINGA	ASURR056	ASURR056	ASURR	054A023	054A023		281A003	-	-	-	DEFAULT
24	A	-	24	SINGA	ASURR056	ASURR056	ASURR	054A024	054A024		281A004	-	-	-	DEFAULT
25	A	-	25	SINGA	ASURR056	ASURR056	ASURR	054A025	054A025		281A005	-	-	-	DEFAULT
26	A	-	26	SINGA	ASURR056	ASURR056	ASURR	054A026	054A026		281A006	-	-	-	DEFAULT
27	A	-	27	SINGA	ASURR056	ASURR056	ASURR	054A027	054A027		281A003	-	-	-	DEFAULT
28	A	-	28	SINGA	ASURR056	ASURR056	ASURR	054A028	054A028		281A004	-	-	-	DEFAULT
29	A	-	29	SINGA	ASURR056	ASURR056	ASURR	054A029	054A029		281A005	-	-	-	DEFAULT
30	A	-	30	SINGA	ASURR056	ASURR056	ASURR	054A030	054A030		281A006	-	-	-	DEFAULT
31	A	-	31	SINGA	ASURR056	ASURR056	ASURR	054A031	054A031		281A017	-	-	-	DEFAULT
32	A	-	32	SINGA	ASURR056	ASURR056	ASURR	054A032	054A032		281A018	-	-	-	DEFAULT
33	A	-	33	SINGA	ASURR056	ASURR056	ASURR	054A033	054A033		281A019	-	-	-	DEFAULT
34	A	-	34	SINGA	ASURR056	ASURR056	ASURR	054A034	054A034		281A020	-	-	-	DEFAULT
35	A	-	35	SINGA	ASURR056	ASURR056	ASURR	054A035	054A035		281A021	-	-	-	DEFAULT
36	A	-	36	SINGA	ASURR056	ASURR056	ASURR	054A036	054A036		281A022	-	-	-	DEFAULT
37	A	-	37	SINGA	ASURR056	ASURR056	ASURR	054A037	054A037		281A023	-	-	-	DEFAULT
38	A	-	38	SINGA	ASURR056	ASURR056	ASURR	054A038	054A038		281A024	-	-	-	DEFAULT
39	A	-	39	SINGA	ASURR056	ASURR056	ASURR	054A039	054A039		281A002	-	-	-	DEFAULT
40	A	-	40	SINGA	ASURR056	ASURR056	ASURR	054A040	054A040		281A003	-	-	-	DEFAULT
41	A	-	41	SINGA	ASURR056	ASURR056	ASURR	054A041	054A041		281A004	-	-	-	DEFAULT
42	A	-	42	SINGA	ASURR056	ASURR056	ASURR	054A042	054A042		281A005	-		-	DEFAULT
43	A	-	43	SINGA	ASURR056	ASURR056	ASURR	054A043	054A043		281A006	-	-	-	DEFAULT
44	A	-	44	SINGA	ASURR056	ASURR056	ASURR	054A044	054A044		281A025	-	-	-	DEFAULT
45	A	-	45	SINGA	ASURR056	ASURR056	ASURR	054A045	054A045		281A026	-	-	-	DEFAULT
46	A	-	46	SINGA	ASURR056	ASURR056	ASURR	054A046	054A046		281A027	-	-	-	DEFAULT
47	A	-	47	SINGA	ASURR056	ASURR056	ASURR	054A047	054A047		281A028	-	-	-	DEFAULT
48	A	-	48	SINGA	ASURR056	ASURR056	ASURR	054A048	054A048		281A029	-	-	-	DEFAULT
49	A	-	49	SINGA	ASURR056	ASURR056	ASURR	054A049	054A049		281A030	-	-	-	DEFAULT
50	A	-	50	SINGA	ASURR056	ASURR056	ASURR	054A050	054A050		281A031	-	-	-	DEFAULT
51	A	-	51	SINGA	ASURR056	ASURR056	ASURR	054A051	054A051		281A032	-	-	-	DEFAULT
52	A	-	52	SINGA	ASURR056	ASURR056	ASURR	054A052	054A052		281A033	-	-	-	DEFAULT
53	A	-	53	SINGA	ASURR056	ASURR056	ASURR	054A053	054A053		281A034	-	-	-	DEFAULT
54	A	-	54	SINGA	ASURR056	ASURR056	ASURR	054A054	054A054		281A035	-	-	-	DEFAULT
55	A	-	55	SINGA	ASURR056	ASURR056	ASURR	054A055	054A055		281A036	-	-	-	DEFAULT
56	A	-	56	SINGA	ASURR056	ASURR056	ASURR	054A056	054A056		281A037	-	-	-	DEFAULT
57	A	-	57	SINGA	ASURR056	ASURR056	ASURR	054A057	054A057		281A038	-	-	-	DEFAULT

58	A	-	58	SINGA	ASURR056	ASURR056	ASURR	054A058	054A058	281A039	-	-	-	DEFAULT
59	A	-	59	SINGA	ASURR056	ASURR056	ASURR	054A059	054A059	281A040	-	-	-	DEFAULT
60	A	-	60	SINGA	ASURR056	ASURR056	ASURR	054A060	054A060	281A041	-	-	-	DEFAULT
61	A	-	61	SINGA	ASURR056	ASURR056	ASURR	054A061	054A061	281A042	-	-	-	DEFAULT
62	A	-	62	SINGA	ASURR056	ASURR056	ASURR	054A062	054A062	281A043	-	-	-	DEFAULT
63	A	-	63	SINGA	ASURR056	ASURR056	ASURR	054A063	054A063	281A044	-	-	-	DEFAULT
64	A	-	64	SINGA	ASURR056	ASURR056	ASURR	054A064	054A064	281A045	-	-	-	DEFAULT
65	A	-	65	SINGA	ASURR056	ASURR056	ASURR	054A065	054A065	281A046	-	-	-	DEFAULT
66	A	-	66	SINGA	ASURR056	ASURR056	ASURR	054A066	054A066	281A047	-	-	-	DEFAULT
67	A	-	67	SINGA	ASURR056	ASURR056	ASURR	054A067	054A067	281A048	-	-	-	DEFAULT
68	A	-	68	SINGA	ASURR056	ASURR056	ASURR	054A068	054A068	281A049	-	-	-	DEFAULT
69	A	-	69	SINGA	ASURR056	ASURR056	ASURR	054A069	054A069	281A050	-	-	-	DEFAULT
7	A	-	70	SINGA	ASURR056	ASURR056	ASURR	054A070	054A070	281A051	-	-	-	DEFAULT
71	A	-	71	SINGA	ASURR056	ASURR056	ASURR	054A071	054A071	281A052	-	-	-	DEFAULT
72	A	-	72	SINGA	ASURR056	ASURR056	ASURR	054A072	054A072	281A053	-	-	-	DEFAULT
73	A	-	73	SINGA	ASURR056	ASURR056	ASURR	054A073	054A073	281A054	-	-	-	DEFAULT
74	A	-	74	SINGA	ASURR056	ASURR056	ASURR	054A074	054A074	281A055	-	-	-	DEFAULT
75	A	-	75	SINGA	ASURR056	ASURR056	ASURR	054A075	054A075	281A056	-	-	-	DEFAULT
76	A	-	76	SINGA	ASURR056	ASURR056	ASURR	054A076	054A076	281A057	-	-	-	DEFAULT
77	A	-	77	SINGA	ASURR056	ASURR056	ASURR	054A077	054A077	281A058	-	-	-	DEFAULT
78	A	-	78	SINGA	ASURR056	ASURR056	ASURR	054A078	054A078	281A059	-	-	-	DEFAULT
79	A	-	79	SINGA	ASURR056	ASURR056	ASURR	054A079	054A079	281A060	-	-	-	DEFAULT
80	A	-	80	SINGA	ASURR056	ASURR056	ASURR	054A080	054A080	281A061	-	-	-	DEFAULT
81	A	-	81	SINGA	ASURR056	ASURR056	ASURR	054A081	054A081	281A062	-	-	-	DEFAULT
82	A	-	82	SINGA	ASURR056	ASURR056	ASURR	054A082	054A082	281A063	-	-	-	DEFAULT
83	A	-	83	SINGA	ASURR056	ASURR056	ASURR	054A083	054A083	281A064	-	-	-	DEFAULT
84	A	-	84	SINGA	ASURR056	ASURR056	ASURR	054A084	054A084	281A065	-	-	-	DEFAULT

ORGANIC EXTRACTION RECORD

02/21/98 11:[illegible]:41

Batch Number : 39208
Date Extracted : 20-FEB-98
Extracted By : Erik D. Feten
Prep Method : 3520

Analysis: TEH
Bgroup : N/A
Units : ml
Clean-up:

Surrogate ID : 98WS5265C
Internal Std. ID:
B/M Spike ID : 98WS5266C

Sample No.	Type	Client	Matrx	Init W/V	U	Final Vol	Prep D.F.	Clean D.F.	pH	Analysis	Comments
132408-001		CAL Inc.	Water	500	ml	2.5	.005	1	7	TEH	
132408-003		CAL Inc.	Water	500	ml	2.5	.005	1	7	TEH	
132408-004		CAL Inc.	Water	500	ml	2.5	.005	1	7	TEH	
132408-005		CAL Inc.	Water	500	ml	2.5	.005	1	5	TEH	
13 434-001		Burns & McDonnell	Water	500	ml	2.5	.005	1	7	TEH	
13 434-002		Burns & McDonnell	Water	500	ml	2.5	.005	1	7	TEH	
132435-001		Burns & McDonnell	Water	500	ml	2.5	.005	1	7	TEH	
QC64641	BLANK		Water	500	ml	2.5	.005	1		TEH	
QC64642	BS		Water	500	ml	2.5	.005	1		TEH	
QC64643	BSD		Water	500	ml	2.5	.005	1		TEH	

Prep Chemist: _____ Reviewed By: _____ Date: 2-23-98

Curtis and Tompkins, Ltd EXTRACTABLE HYDROCARBONS WATER PREP LOG BK0895

LIMS Batch No: 39208
LIMS Analysis: TEH
Extracted by: [illegible] EDC
Date Extracted: 02/20/98

Extraction Method:
☐ mod. EPA 3510 sep. funnel
☒ mod. EPA 3520 cont. L/L
☐ ______

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Continued from Page ——

Sample ID	Volume of Sample (mL)	Sample pH	Final Volume (mL)	Comments
132408-001 A	500	7	2.5	
-003 B	↓	7	↓	
-004	↓	7	↓	
-005A	↓	5	↓	
132435-001	↓	7	↓	
BLANK QC 64641	↓	n/a	↓	
BS { 2	↓	↓	↓	
BSD { 3	↓	↓	↓	POSSIBLE 2X SUGK
132434-001	500	7	↓	
-002	↓	↓	↓	

	Mfg & Lot # / LIMS # / Time	Date/Initials
500 uL of surrogate solution [illegible] was added to all samples	98WS5265 C	[illegible]
0.5 mL of D-SPIKE matrix spiking solution was added to all spikes	98WS5266 C	[illegible] 2/20
pH of all samples adjusted to pH ≤ 2 with H_2SO_4	JT BAKER 49064	
☒ Samples were extracted with approximately 500 mL of CH_2Cl_2	[illegible] 37251	↓
Extraction Start Time:	7:15	
Extraction End Time:	11:55	[illegible] 2/23
☐ Samples were extracted 3 times with 60 mL of CH_2Cl_2	n/a	
Extracts filtered through baked, rinsed powdered Na_2SO_4	[illegible]36332746	[illegible] 2/23
Concentrated to volumes as noted above	✓	

[signature] 02/20/98
Extraction Chemist Date

Continued on Page ——

[signature] 2-23-98
Reviewed by Date

CLIENT: CAL Inc.
PROJECT ID: 2809
LOCATION: Camp Parks
MATRIX: Filtrate

DATE REPORTED: 03/03/98

Metals Analytical Report

Lead

Sample ID	Lab ID	Sample Date	Receive Date	Result (ug/L)	Reporting Limit (ug/L)	IDF	QC Batch	Method	Analysis Date
W-22-B3	132408-001	02/18/98	02/19/98	ND	3.0	1	39228	EPA 6010A	02/27/98
W-22-B3D	132408-002	02/18/98	02/19/98	ND	3.0	1	39228	EPA 6010A	02/27/98
W-22-B4	132408-003	02/18/98	02/19/98	ND	3.0	1	39228	EPA 6010A	02/27/98

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd

Curtis & Tompkins, Ltd.

CLIENT: CAL Inc.
JOB NUMBER: 132408

DATE REPORTED: 03/03/98

BATCH QC REPORT
PREP BLANK

Compound	Result	Reporting Limit	Units	IDF	QC Batch	Method	Analysis Date
Lead	ND	3	ug/L	1	39228	EPA 6010A	02/27/98

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd

CLIENT: CAL Inc.
JOB NUMBER: 132408

DATE REPORTED: 03/03/98

BATCH QC REPORT
LABORATORY CONTROL SAMPLE

Compound	Spike Amt	Result	Units	% Rec.	QC Batch	Method	Analysis Date
Lead	500	521	ug/L	104	39228	EPA 6010A	02/27/98

Curtis & Tompkins, Ltd.

CLIENT: CAL Inc.
JOB NUMBER: 132408

DATE REPORTED: 03/03/98

BATCH QC REPORT
MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Compound	Sample	Sample Result	Spike Amount	MS Result	MSD Result	Units	MS% Rec.	MSD% Rec.	Rec. Limit	RPD %	RPD Lim	QC Batch	Method	Analysis Date
Lead	132408-001	<3.000	500	514	499	ug/L	103	100	65-135	3	35	39228	EPA 6010A	02/27/98

Curtis & Tompkins METALS Runlog for sequence: 78058108

Standards:

Blank	Blank
Standard 1	98WS5396
Standard 2	V 03
Standard 3	V 02
Standard 4	
Standard 5	

Analysis Date	Seq#	SampleID	Type	Batch	IDF	Filename	Comments
02/27/98 10:50	001	98WS5302	CST		1	tr66015	
02/27/98 10:55	002	98WS5396	ICV		1	tr66016	
02/27/98 11:15	003	ICB	ICB	39285	1	tr66017	
02/27/98 11:26	004	98WS5385-7	CRI		1	tr66018	
02/27/98 11:30	005	98WS5271	ICSAB		1	tr66019	
02/27/98 11:34	006	QC64805	PREPBLK	39252	10	tr66020	
02/27/98 11:37	007	132367-001	SAMPLE	39200	10	tr66021	
02/27/98 11:41	008	QC64927	BS	39285	1	tr66022	
02/27/98 11:44	009	QC64928	BSD	39285	1	tr66023	
02/27/98 11:48	010	132448-001	SAMPLE	39252	1000	tr66024	
02/27/98 11:51	011	QC64799	SDUP	39252	1000	tr66025	
02/27/98 11:55	012	QC64800	SSPIKE	39252	1000	tr66026	
02/27/98 11:59	013	98WS5397	CCV		1000	tr66027	
02/27/98 12:03	014	CCB	CCB	39252	1	tr66028	
02/27/98 12:08	015	QC64711	PREPBLK	39228	1	tr66029	
02/27/98 12:12	016	QC64712	LCS	39228	1	tr66030	
02/27/98 12:17	017	132408-001	SAMPLE	39228	1	tr66031	
02/27/98 12:21	018	QC64713	MS	39228	1	tr66032	
02/27/98 12:26	019	QC64714	MSD	39228	1	tr66033	
02/27/98 12:31	020	132408-002	SAMPLE	39228	1	tr66034	
02/27/98 12:35	021	132408-003	SAMPLE	39228	1	tr66035	
02/27/98 12:39	022	132442-001	SAMPLE	39285	1	tr66036	
02/27/98 12:43	023	132446-001	SAMPLE	39285	1	tr66037	
02/27/98 12:55	024	132442-001	SAMPLE	39285	1	tr66038	
02/27/98 13:25	025	98WS5397	CCV		1	tr66039	
02/27/98 13:36	026	CCB	CCB	39285	1	tr66040	
02/27/98 13:41	027	QC65015	PREPBLK	39309	1	tr66041	
02/27/98 13:45	028	QC65016	BS	39309	1	tr66042	
02/27/98 13:49	029	QC65017	BSD	39309	1	tr66043	
02/27/98 13:53	030	132492-001	SAMPLE	39309	1	tr66044	
02/27/98 13:58	031	QC65018	SDUP	39309	1	tr66045	
02/27/98 14:32	033	QC65018	SDUP	39309	1	tr66047	
02/27/98 14:36	034	QC65065	SSPIKE	39309	1	tr66048	
02/27/98 14:40	035	98WS5397	CCV		1	tr66049	
02/27/98 14:47	036	CCB	CCB	39309	1	tr66050	
02/27/98 14:55	037	QC64973	PREPBLK	39299	10	tr66051	
02/27/98 14:59	038	QC64974	BS	39299	1	tr66052	
02/27/98 15:03	039	132297-003	SAMPLE	39113	1	tr66053	
02/27/98 15:07	040	QC64975	BSD	39299	1	tr66054	
02/27/98 15:11	041	132462-001	SAMPLE	39299	10	tr66055	
02/27/98 15:16	042	132462-001	SAMPLE	39299	10	tr66056	
02/27/98 15:27	044	98WS5271	ICSAB		10	tr66058	
02/27/98 15:31	045	98WS5397	CCV		10	tr66059	
02/27/98 15:38	046	CCB	CCB	39299	10	tr66060	

ANALYST MW DATE 2/27/98 REVIEWED

#1	.1007	.1588	.720
#2	.1002	.1607	.725

Method: 6010A Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Sb2068	206.831	Multiple	Standards	2843.77	7.69843	02/27/98 10:40:26
Sb206A	206.832	Multiple	Standards	3861.76	-4.81594	02/27/98 10:40:26
As1890	189.042	Multiple	Standards	6917.03	-.201878	02/27/98 10:40:26
Ba4934	493.409	Multiple	Standards	35.3480	-.006117	02/27/98 10:40:26
Be3130	313.042	Multiple	Standards	18.8798	20.5403	02/27/98 10:40:26
Cd2265	226.502	Multiple	Standards	178.577	-.443633	02/27/98 10:40:26
Cr2677	267.716	Multiple	Standards	1174.81	-.031872	02/27/98 10:40:26
Co2286	228.616	Multiple	Standards	1204.58	-67.1799	02/27/98 10:40:26
Cu3247	324.754	Multiple	Standards	270.755	-21.8505	02/27/98 10:40:26
Pb2203	220.351	Multiple	Standards	1061.13	-1.49380	02/27/98 10:40:26
Pb220A	220.352	Multiple	Standards	1145.98	1.09694	02/27/98 10:40:26
Mo2020	202.030	Multiple	Standards	2073.49	-.929583	02/27/98 10:40:26
Ni2316	231.604	Multiple	Standards	473.801	-.849234	02/27/98 10:40:26
Se1960	196.021	Multiple	Standards	5449.88	8.79272	02/27/98 10:40:26
Se196A	196.022	Multiple	Standards	5963.01	-1.97025	02/27/98 10:40:26
Ag3280	328.068	Multiple	Standards	209.699	.301690	02/27/98 10:40:26
Tl1908	190.864	Multiple	Standards	8457.19	-4.45791	02/27/98 10:40:26
V_2924	292.402	Multiple	Standards	587.503	-.316085	02/27/98 10:40:26
Zn2138	213.856	Multiple	Standards	1337.12	-15.9045	02/27/98 10:40:26
Al3082	308.215	Multiple	Standards	8507.96	-862.178	02/27/98 10:40:26
Ca3179	317.933	Multiple	Standards	4799.24	-1.19898	02/27/98 10:40:26
Fe2714	271.441	Multiple	Standards	10128.4	28.3597	02/27/98 10:40:26
[illegible]2790	279.079	Multiple	Standards	12774.0	-3.28594	02/27/98 10:40:26
[illegible]276	257.610	Multiple	Standards	140.018	-.122502	02/27/98 10:40:26
Pb sum	220.353	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Sb sum	206.838	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Se sum	196.026	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED

Method: 6010A

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206.831	blank	.000000	.115035	-.115035
		cst lo	250.000	229.133	20.8665
		cst med	500.000	515.691	-15.6909
		cst hi	1000.00	1025.86	-25.8635
CorCoef:	0.99953				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb206A	206.832	blank	.000000	.075620	-.075620
		cst lo	250.000	232.425	17.5754
		cst med	500.000	501.074	-1.07410
		cst hi	1000.00	1002.33	-2.33008
CorCoef:	0.99980				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	blank	.000000	.028689	-.028689
		cst lo	125.000	120.039	4.96084
		cst med	250.000	251.002	-1.00160

		cst hi	500.000	509.122	-9.12207
CorCoef:	0.99988				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4934	493.409	blank	.000000	.013914	-.013914
		cst lo	250.000	247.403	2.59706
		cst med	500.000	504.453	-4.45258
		cst hi	1000.00	1001.48	-1.48462
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	blank	.000000	.004824	-.004824
		cst lo	25.0000	23.3131	1.68685
		cst med	50.0000	48.7618	1.23819
		cst hi	100.000	97.9738	2.02620
CorCoef:	0.99992				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226.502	blank	.000000	.002809	-.002809
		cst lo	25.0000	24.5393	.460709
		cst med	50.0000	50.4568	-.456768
		cst hi	100.000	100.839	-.839302
CorCoef:	0.99997				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2677	267.716	blank	.000000	.007289	-.007289
		cst lo	50.0000	48.7618	1.23820
		cst med	100.000	101.041	-1.04072
		cst hi	200.000	202.035	-2.03499
CorCoef:	0.99995				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228.616	blank	.000000	.035968	-.035968
		cst lo	125.000	119.450	5.54951
		cst med	250.000	255.167	-5.16707
		cst hi	500.000	512.828	-12.8278
CorCoef:	0.99983				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.754	blank	.000000	-.001335	.001335
		cst lo	50.0000	50.2554	-.255371
		cst med	100.000	101.058	-1.05811
		cst hi	200.000	199.145	.854736
CorCoef:	0.99997				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb2203	220.351	blank	.000000	.027156	-.027156
		cst lo	125.000	120.854	4.14558
		cst med	250.000	253.849	-3.84932
		cst hi	500.000	509.935	-9.93521
CorCoef:	0.99990				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb220A	220.352	blank	.000000	.027360	-.027360
		cst lo	125.000	120.240	4.75977
		cst med	250.000	252.524	-2.52402

		cst hi	500.000	507.771	-7.77103
CorCoef: 0.99990					
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	blank	.000000	-.100186	.100186
		cst lo	250.000	264.754	-14.7539
		cst med	500.000	491.663	8.33685
		cst hi	1000.00	957.715	42.2849
CorCoef: 0.99958					
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	blank	.000000	.019402	-.019402
		cst lo	125.000	121.060	3.94010
		cst med	250.000	257.499	-7.49893
		cst hi	500.000	499.833	.167389
CorCoef: 0.99976					
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se1960	196.021	blank	.000000	.072906	-.072906
		cst lo	125.000	114.339	10.6612
		cst med	250.000	256.581	-6.58081
		cst hi	500.000	530.892	-30.8916
CorCoef: 0.99931					
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se196A	196.022	blank	.000000	.017424	-.017424
		cst lo	125.000	124.048	.951935
		cst med	250.000	240.724	9.27567
		cst hi	500.000	520.787	-20.7871
CorCoef: 0.99913					
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	blank	.000000	.001121	-.001121
		cst lo	25.0000	24.8295	.170506
		cst med	50.0000	50.2171	-.217068
		cst hi	100.000	100.384	-.384087
CorCoef: 1.00000					
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
T11908	190.864	blank	.000000	.052587	-.052587
		cst lo	125.000	115.070	9.92967
		cst med	250.000	259.124	-9.12439
		cst hi	500.000	508.893	-8.89331
CorCoef: 0.99950					
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	blank	.000000	.016833	-.016833
		cst lo	125.000	122.080	2.91963
		cst med	250.000	252.271	-2.27104
		cst hi	500.000	504.466	-4.46649
CorCoef: 0.99996					
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2138	213.856	blank	.000000	.007297	-.007297
		cst lo	25.0000	24.5658	.434208
		cst med	50.0000	52.5117	-2.51167

CorCoef: 0.99983		cst hi	100.000	105.328	-5.32803
Element Al3082	Wavelength 308.215	Standard blank	Known Concentration .000000	Measured Concentration -.038394	Residual Concentration .038394
		cst lo	250.000	260.305	-10.30
		cst med	500.000	511.006	-11.006
CorCoef: 0.99990		cst hi	1000.00	999.930	.070007
Element Ca3179	Wavelength 317.933	Standard blank	Known Concentration .000000	Measured Concentration .080818	Residual Concentration -.080818
		cst lo	500.000	486.884	13.1159
		cst med	1000.00	1013.68	-13.6811
CorCoef: 0.99994		cst hi	2000.00	2024.56	-24.5618
Element Fe2714	Wavelength 271.441	Standard blank	Known Concentration .000000	Measured Concentration .000279	Residual Concentration -.000279
		cst lo	250.000	262.325	-12.3246
		cst med	500.000	532.752	-32.7517
CorCoef: 0.99994		cst hi	1000.00	1045.58	-45.5841
Element Mg2790	Wavelength 279.079	Standard blank	Known Concentration .000000	Measured Concentration .120470	Residual Concentration -.120470
		cst lo	500.000	480.425	19.5754
		cst med	1000.00	1018.21	-18.2119
CorCoef: 0.99988		cst hi	2000.00	2037.58	-37.5809
Element In2576	Wavelength 257.610	Standard blank	Known Concentration .000000	Measured Concentration .003514	Residual Concentrat -.003514
		cst lo	25.0000	24.4319	.568096
		cst med	50.0000	50.6432	-.643181
CorCoef: 0.99995		cst hi	100.000	101.054	-1.05415
Element Pb sum	Wavelength 220.353	Standard NONE	Known Concentration .000000	Measured Concentration .000000	Residual Concentration .000000
		NONE	.000000	.000000	.000000
Element Sb sum	Wavelength 206.838	Standard NONE	Known Concentration .000000	Measured Concentration .000000	Residual Concentration .000000
		NONE	.000000	.000000	.000000
Element Se sum	Wavelength 196.026	Standard NONE	Known Concentration .000000	Measured Concentration .000000	Residual Concentration .000000
		NONE	.000000	.000000	.000000

Method: 6010A Sample Name: 98ws5302
Run Time: 02/27/98 10:50:33 Operator: mw

CST Report: 98WS5302	Analyst: MW Inst.: ICP Inst. Dil.: 1 Batch: Final Dilution: 1.00 Date Analyzed: 02/27/98 Sequence #: 78058108001 Time Analyzed: 10:50 AM Filename: tr66015

ELEMENT	TRUE (ug/L)	FOUND (ug/L)	RECOVERY	STATUS
Antimony	1000	1050.00	105	OK
Arsenic	500	514.00	103	OK
Barium	1000	996.00	100	OK
Beryllium	100	102.00	102	OK
Cadmium	100	100.00	100	OK
Chromium	200	203.00	102	OK
Cobalt	500	515.00	103	OK
Copper	200	198.00	99	OK
Lead	500	518.00	104	OK
Molybdenum	1000	966.00	97	OK
Nickel	500	501.00	100	OK
Selenium	500	524.00	105	OK
Silver	100	99.50	100	OK
Thallium	500	513.00	103	OK
Vanadium	500	504.00	101	OK
Zinc	100	103.00	103	OK
Aluminum	1000	964.50	96	OK
Calcium	2000	2030.00	102	OK
Iron	1000	965.50	97	OK
Magnesium	2000	2020.00	101	OK
Manganese	100	101.00	101	OK

* CST recovery limits are between 95% and 105%

ICV Report: 98WS5396	Analyst: MW Inst.: ICP Inst. Dil.: 1 Batch: Final Dilution: 1.00 Date Analyzed: 02/27/98 Sequence #: 78058108002 Time Analyzed: 10:55 AM Filename: tr66016

ELEMENT	TRUE (ug/L)	FOUND (ug/L)	RECOVERY	STATUS
Antimony	500	469.00	94	OK
Arsenic	250	264.00	106	OK
Barium	500	510.00	102	OK
Beryllium	50	52.90	106	OK
Cadmium	50	50.40	101	OK
Chromium	100	104.00	104	OK
Cobalt	250	265.00	106	OK
Copper	100	103.00	103	OK
Lead	250	259.00	104	OK
Molybdenum	500	482.00	96	OK
Nickel	250	257.00	103	OK
Selenium	250	260.00	104	OK
Silver	50	52.00	104	OK
Thallium	250	254.00	102	OK
Vanadium	250	262.00	105	OK
Zinc	50	53.90	108	OK
Aluminum	500	507.60	102	OK
Calcium	1000	1049.00	105	OK
Iron	500	531.00	106	OK
Magnesium	1000	1042.00	104	OK
Manganese	50	52.30	105	OK

* ICV recovery limits are between 90% and 110%

ICB Report: ICB	Analyst: MW Inst.: ICP Inst. Dil.: 1 Batch: 39285 Final Dilution: 1.00 Date Analyzed: 02/27/98 Sequence #: 78058108003 Time Analyzed: 11:15 AM Filename: tr66017

ELEMENT	INSTRUMENT READING (ug/L)	IDL (ug/L)	RESULT
Antimony	22.700	60.000	ND
Arsenic	-1.180	5.00	ND
Barium	0.095	10.000	ND
Beryllium	0.046	2.000	ND
Cadmium	-0.319	5.000	ND
Chromium	0.491	10.000	ND
Cobalt	0.557	20.000	ND
Copper	0.020	10.000	ND
Lead	0.044	3.000	ND
Molybdenum	0.065	20.000	ND
Nickel	5.390	20.000	ND
Selenium	4.700	5.000	ND
Silver	-0.002	5.000	ND
Thallium	-4.790	5.000	ND
Vanadium	0.655	10.000	ND
Zinc	0.744	20.000	ND
Aluminum	4.832	100.000	ND
Calcium	2.312	500.000	ND
Iron	8.190	100.000	ND
Magnesium	-1.206	500.000	ND
Manganese	0.050	10.000	ND

CRI Report: 98WS5385-78058108004	Analyst: MW Inst.: ICP Inst. Dil.: 1 Batch: Final Dilution: 1.00 Date Analyzed: 02/27/98 Sequence #: 78058108004 Time Analyzed: 11:26 AM Filename: tr66018

ELEMENT	TRUE (ug/L)	FOUND (ug/L)	RECOVERY
Antimony	120	183.00	152
Arsenic	20	22.00	110
Barium	400	423.00	106
Beryllium	10	9.43	94
Cadmium	10	9.65	96
Chromium	20	19.80	99
Cobalt	100	96.40	96
Copper	50	52.60	105
Lead	6	8.20	137
Molybdenum	20	28.50	142
Nickel	80	78.70	98
Selenium	10	8.59	86
Silver	20	20.60	103
Thallium	20	15.20	76
Vanadium	100	101.00	101
Zinc	40	38.30	96
Aluminum	400	27.77	7
Iron	200	33.18	17
Manganese	30	29.70	99

ICSAB Report: 98WS5271	Analyst: MW Inst.: ICP Inst. Dil.: 1 Batch: Final Dilution: 1.00 Date Analyzed: 02/27/98 Sequence #: 78058108005 Time Analyzed: 11:30 AM Filename: tr66019

ELEMENT	TRUE CONC. (ug/L)	INST. READING (ug/L)	RECOVERY	STATUS
Antimony	500	481.000	96	OK
Arsenic	500	485.000	97	OK
Barium	500	531.000	106	OK
Beryllium	500	468.000	94	OK
Cadmium	1000	907.000	91	OK
Chromium	500	485.000	97	OK
Cobalt	500	476.000	95	OK
Copper	500	542.000	108	OK
Lead	1000	967.000	97	OK
Molybdenum	500	460.000	92	OK
Nickel	1000	949.000	95	OK
Selenium	500	442.000	88	OK
Silver	1000	1120.000	112	OK
Thallium	500	589.000	118	OK
Vanadium	500	492.000	98	OK
Zinc	1000	960.000	96	OK
Aluminum	500000	566000.000	113	OK
Calcium	500000	424000.000	85	OK
Iron	200000	191500.000	96	OK
Magnesium	500000	574600.000	115	OK
Manganese	500	492.000	98	OK

* ICSAB recovery limits are between 80% and 120%

CCV Report: 98WS5397	Analyst: MW Inst.: ICP Inst. Dil.: 1000 Batch: Final Dilution: 1.00 Date Analyzed: 02/27/98 Sequence #: 78058108013 Time Analyzed: 11:59 AM Filename: tr66027

ELEMENT	TRUE (ug/L)	FOUND (ug/L)	RECOVERY	STATUS
Antimony	500	472.00	94	OK
Arsenic	250	250.00	100	OK
Barium	500	504.00	101	OK
Beryllium	50	51.40	103	OK
Cadmium	50	49.50	99	OK
Chromium	100	99.50	100	OK
Cobalt	250	253.00	101	OK
Copper	100	100.00	100	OK
Lead	250	248.00	99	OK
Molybdenum	500	530.00	106	OK
Nickel	250	252.00	101	OK
Selenium	250	259.00	104	OK
Silver	50	50.30	101	OK
Thallium	250	242.00	97	OK
Vanadium	250	254.00	102	OK
Zinc	50	49.10	98	OK
Aluminum	500	513.80	103	OK
Calcium	1000	1007.00	101	OK
Iron	500	499.20	100	OK
Magnesium	1000	1001.00	100	OK
Manganese	50	50.00	100	OK

* CCV recovery limits are between 90% and 110%

CCB Report: CCB	Analyst: MW Inst.: ICP Inst. Dil.: 1 Batch: 39252 Final Dilution: 1.00 Date Analyzed: 02/27/98 Sequence #: 78058108014 Time Analyzed: 12:03 PM Filename: tr66028

ELEMENT	INSTRUMENT READING (ug/L)	IDL (ug/L)	RESULT
Antimony	7.290	60.000	ND
Arsenic	0.591	5.000	ND
Barium	0.044	10.000	ND
Beryllium	0.251	2.000	ND
Cadmium	-0.370	5.000	ND
Chromium	0.416	10.000	ND
Cobalt	1.300	20.000	ND
Copper	-0.613	10.000	ND
Lead	1.090	3.000	ND
Molybdenum	-0.354	20.000	ND
Nickel	-1.510	20.000	ND
Selenium	-5.050	5.000	ND
Silver	0.286	5.000	ND
Thallium	-4.520	5.000	ND
Vanadium	0.235	10.000	ND
Zinc	0.205	20.000	ND
Aluminum	21.990	100.000	ND
Calcium	1.231	500.000	ND
Iron	6.144	100.000	ND
Magnesium	2.491	500.000	ND
Manganese	0.090	10.000	ND

CCV Report: 98WS5397	Analyst: MW Inst.: ICP Inst. Dil.:
	Batch: Final Dilution: 1.00
	Date Analyzed: 02/27/98 Sequence #: 78058108025
	Time Analyzed: 01:25 PM Filename: tr66039

ELEMENT	TRUE (ug/L)	FOUND (ug/L)	RECOVERY	STATUS
Antimony	500	469.00	94	OK
Arsenic	250	255.00	102	OK
Barium	500	513.00	103	OK
Beryllium	50	52.70	105	OK
Cadmium	50	50.60	101	OK
Chromium	100	102.00	102	OK
Cobalt	250	259.00	104	OK
Copper	100	102.00	102	OK
Lead	250	252.00	101	OK
Molybdenum	500	478.00	96	OK
Nickel	250	253.00	101	OK
Selenium	250	266.00	106	OK
Silver	50	50.90	102	OK
Thallium	250	245.00	98	OK
Vanadium	250	259.00	104	OK
Zinc	50	51.80	104	OK
Aluminum	500	498.40	100	OK
Calcium	1000	1021.00	102	OK
Iron	500	513.80	103	OK
Magnesium	1000	1022.00	102	OK
Manganese	50	51.40	103	OK

* CCV recovery limits are between 90% and 110%

CCB Report: CCB	Analyst: MW Inst.: ICP Inst. Dil.: 1
	Batch: 39285 Final Dilution: 1.00
	Date Analyzed: 02/27/98 Sequence #: 78058108026
	Time Analyzed: 01:36 PM Filename: tr66040

ELEMENT	INSTRUMENT READING (ug/L)	IDL (ug/L)	RESULT
Antimony	-2.280	60.000	ND
Arsenic	-4.420	5.000	ND
Barium	-0.008	10.000	ND
Beryllium	0.088	2.000	ND
Cadmium	-0.047	5.000	ND
Chromium	0.243	10.000	ND
Cobalt	0.102	20.000	ND
Copper	-0.528	10.000	ND
Lead	0.834	3.000	ND
Molybdenum	-0.862	20.000	ND
Nickel	-1.370	20.000	ND
Selenium	4.560	5.000	ND
Silver	0.199	5.000	ND
Thallium	2.840	5.000	ND
Vanadium	0.170	10.000	ND
Zinc	-0.191	20.000	ND
Aluminum	-2.108	100.000	ND
Calcium	-2.116	500.000	ND
Iron	-2.219	100.000	ND
Magnesium	-3.535	500.000	ND
Manganese	-0.035	10.000	ND

CCV Report:	Analyst: MW Inst.: ICP Inst. Dil.: 1
98WS5397	Batch: Final Dilution: 1.00
	Date Analyzed: 02/27/98 Sequence #: 78058108035
	Time Analyzed: 02:40 PM Filename: tr66049

ELEMENT	TRUE (ug/L)	FOUND (ug/L)	RECOVERY	STATUS
Antimony	500	451.00	90	OK
Arsenic	250	244.00	98	OK
Barium	[illegible]	505.00	101	OK
Beryllium	50	50.10	100	OK
Cadmium	50	49.00	98	OK
Chromium	100	99.30	99	OK
Cobalt	250	245.00	98	OK
Copper	100	101.00	101	OK
Lead	250	240.00	96	OK
Molybdenum	500	458.00	92	OK
Nickel	250	248.00	99	OK
Selenium	250	258.00	103	OK
Silver	50	51.50	103	OK
Vanadium	250	251.00	100	OK
Zinc	50	49.70	99	OK
Aluminum	500	525.00	105	OK
Calcium	1000	976.10	98	OK
Iron	500	502.60	101	OK
Magnesium	1000	985.60	99	OK
Manganese	50	49.70	99	OK

* CCV recovery limits are between 90% and 110%

CCB Report:	Analyst: MW Inst.: ICP Inst. Dil.: 1
CCB	Batch: 39309 Final Dilution: 1.00
	Date Analyzed: 02/27/98 Sequence #: 78058108036
	Time Analyzed: 02:47 PM Filename: tr66050

ELEMENT	INSTRUMENT READING (ug/L)	IDL (ug/L)	RESULT
Antimony	4.910	60.000	ND
Arsenic	-3.870	5.000	ND
Barium	-0.007	10.000	ND
Beryllium	0.137	2.000	ND
Cadmium	-0.202	5.000	ND
Chromium	0.139	10.000	ND
Cobalt	0.029	20.000	ND
Copper	-0.357	10.000	ND
Lead	1.070	3.000	ND
Molybdenum	-0.928	20.000	ND
Nickel	-0.594	20.000	ND
Selenium	0.234	5.000	ND
Silver	-0.101	5.000	ND
Thallium	6.960	5.000	CCB failed
Vanadium	0.016	10.000	ND
Zinc	-0.004	20.000	ND
Aluminum	-1.287	100.000	ND
Calcium	-0.343	500.000	ND
Iron	5.697	100.000	ND
Magnesium	-1.186	500.000	ND
Manganese	0.028	10.000	ND

ICSAB Report: 98WS5271	Analyst: MW Inst.: ICP Inst. Dil.: 10 Batch: Final Dilution: 1.00 Date Analyzed: 02/27/98 Sequence #: 78058108044 Time Analyzed: 03:27 PM Filename: tr66058

ELEMENT	TRUE CONC. (ug/L)	INST. READING (ug/L)	RECOVERY	STATUS
Antimony	500	479.000	96	OK
Arsenic	500	453.000	91	OK
Barium	500	493.000	99	OK
Beryllium	500	429.000	86	OK
Cadmium	1000	854.000	85	OK
Chromium	500	450.000	90	OK
Cobalt	500	442.000	88	OK
Copper	500	501.000	100	OK
Lead	1000	919.000	92	OK
Molybdenum	500	433.000	87	OK
Nickel	1000	892.000	89	OK
Selenium	500	424.000	85	OK
Silver	1000	1050.000	105	OK
Thallium	500	515.000	103	OK
Vanadium	500	454.000	91	OK
Zinc	1000	902.000	90	OK
Aluminum	500000	576200.000	115	OK
Calcium	500000	390500.000	78	Failed
Iron	200000	176500.000	88	OK
Magnesium	500000	544800.000	109	OK
Manganese	500	458.000	92	OK

* ICSAB recovery limits are between 80% and 120%

CCV Report: 98WS5397	Analyst: MW Inst.: ICP Inst. Dil.: 10 Batch: Final Dilution: 1.00 Date Analyzed: 02/27/98 Sequence #: 78058108045 Time Analyzed: 03:31 PM Filename: tr66059

ELEMENT	TRUE (ug/L)	FOUND (ug/L)	RECOVERY	STATUS
Antimony	500	461.00	92	OK
Arsenic	250	244.00	98	OK
Barium	500	503.00	101	OK
Beryllium	50	50.10	100	OK
Cadmium	50	49.00	98	OK
Chromium	100	97.70	98	OK
Cobalt	250	244.00	98	OK
Copper	100	98.60	99	OK
Lead	250	239.00	96	OK
Molybdenum	500	453.00	91	OK
Nickel	250	244.00	98	OK
Selenium	250	253.00	101	OK
Silver	50	50.30	101	OK
Vanadium	250	249.00	100	OK
Zinc	50	49.00	98	OK
Aluminum	500	549.10	110	OK
Calcium	1000	1021.00	102	OK
Iron	500	517.40	103	OK
Magnesium	1000	1021.00	102	OK
Manganese	50	49.20	98	OK

* CCV recovery limits are between 90% and 110%

CCB Report: CCB	Analyst: MW Inst.: ICP Inst. Dil.: 10
	Batch: 39299 Final Dilution: 1.00
	Date Analyzed: 02/27/98 Sequence #: 78058108046
	Time Analyzed: 03:38 PM Filename: tr66060

ELEMENT	INSTRUMENT READING (ug/L)	IDL (ug/L)	RESULT
Antimony	7.300	60.000	ND
Arsenic	-3.550	5.000	ND
Barium	-0.004	10.000	ND
Beryllium	0.729	2.000	ND
Cadmium	-0.047	5.000	ND
Chromium	-0.072	10.000	ND
Cobalt	1.480	20.000	ND
Copper	-0.564	10.000	ND
Lead	0.281	3.000	ND
Molybdenum	3.300	20.000	ND
Nickel	-0.733	20.000	ND
Selenium	-1.380	5.000	ND
Silver	0.414	5.000	ND
Vanadium	-0.035	10.000	ND
Zinc	0.074	20.000	ND
Aluminum	-36.800	100.000	ND
Calcium	8.369	500.000	ND
Iron	6.161	100.000	ND
Magnesium	8.981	500.000	ND
Manganese	0.016	10.000	ND

INORGANIC DIGESTION RECORD

Batch Number : 39228
Date Digested: 23-FEB-98
Digested By : Morris Luong Tran

Analysis: PB
Bgroup : ICAP

Sample No.	Type		Matrix	Client	Init W/V	U	Final Vol.	D.F.	Moist	Digestion Method
132408-001			Filtra	CAL Inc.	50	ml	50	1		METHOD
132408-002			Filtra	CAL Inc.	50	ml	50	1		METHOD
132408-003			Filtra	CAL Inc.	50	ml	50	1		METHOD
QC64711	PREPBL		Filtra		50	ml	50	1		METHOD
QC64712	LCS		Filtra		50	ml	50	1		METHOD
QC64713	MS	of 132408-001	Filtra		50	ml	50	1		METHOD
QC64714	MSD	of 132408-001	Filtra		50	ml	50	1		METHOD

Prep Chemist: _____

PROJECT Filtration

Notebook No. C910

Continued From Page

2/23/98

Batch# 39238

ICAP/M. Filtered thru. 0.45um filter paper.

Sample#	Init(ml)/Final(ml).		Comments
BLK QC647211	50	50	.25ml 99wi5238
LCS QC647212	↓	↓	"
132408-1 MS QC647213	↓	↓	"
1 MSD QC647214	↓	↓	
1	↓	↓	
2	↓	↓	
3	↓	↓	

HNO_3 LOT# 36260 → EM

Continued on Page

Read and Understood By

Signed [signature] Date 2/23/98

Signed [signature] Date 2/23/98

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

Laboratory Number 133788

CAL Inc.
2040 Peabody Rd.
Suite 400
Vacaville, CA 95687

Project#: 2809
Location: Camp Parks

Sample ID	Lab ID
S-11.5-B3	133788-002
S-14.5-B3	133788-003
S-11.5-B4	133788-005
S-14.5-B4	133788-006
S-11.5-B5	133788-008
S-14.5-B5	133788-009
S-0519-1A,B	133788-010
W-14-B3	133788-011
W-14-B3 RE	133788-012

I certify that this data package has been reviewed for technical correctness and completeness. Please see attached narrative for a discussion of any analytical problems related to this sample set. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____ Date: 8/18/98
Title: Operations Manager

Signature: Carol Wortham Date: 8/18/98
Title: Project Manager

Curtis & Tompkins, Ltd.

Lab Report#: **133788**
Client: **Cal Inc.**
Project#: **2809**
Location: **Camp Parks**

Receipt Date: **05/20/97**

CASE NARRATIVE

This report contains sample results and batch QC for eleven samples that were received, cold and intact, from the above referenced project on May 20,1998. Soil results are reported on a dry-weight basis.

TPH/Gasoline + BTXE (EPA 8015m/8020): High trifluorotoluene surrogate recoveries were observed in the gasoline laboratory control samples and matrix spikes due to coelution of gasoline hydrocarbons with this surrogate.

TPH/Diesel (EPA 8015m): A silica-gel cleanup was performed on each of these sample extracts in order to reduce biogenic interferences.

Slightly low (61%) diesel recovery was observed in the matrix spike of sample W-15-B2 (CT# 133704-011) in batch 41191; the laboratory control sample recovery was within limits.

PAH (EPA 8310): Low surrogate recoveries were observed for sample W-14-B3 (CT# 133788-011) and the associated QC samples, in batch 41088. Low anthracene recoveries and high acenaphthene and anthracene RPDs were observed in the blank spike and blank spike duplicate associated with this batch. The sample was re-extracted, outside holding time, as CT# 133788-012 in batch 41397. All surrogate and spike recoveries were within limits in the second batch. Both sets of data are included in this report.

Low anthracene recovery was observed in the laboratory control sample associated with soil batch 41220; the matrix spike and spike duplicate associated with this batch passed all QC criteria.

Lead (EPA 6010): No analytical problems were encountered.

CAL INC

133788

Nº 0334

CHAIN OF CUSTODY

PROJECT NAME AND DESCRIPTION: 2809 Camp Parks
PROJECT LOCATION: Bldg 888
SAMPLING CREW: Claudio Avila

	Matrix				Number of Containers and Preservative Information									Date				Sample Number	Analyses																	
	Water	Soil			Glass Jar	2-inch Brass Tube	VOA - HCL	1 Liter Amber Unpreserved	1 Liter Amber - HCL	1 Liter Plastic - HNO3	1 Liter Plastic - Unpreserved			Year	Month	Day	Time	Sample Description	EPA 418.1	EPA 8010	EPA 8015M TPH G/TPHD	EPA 8020 BTEX/HTDC	EPA 8080	EPA 8240	EPA 8270	TPH-G + BTEX	TTLC Metals	STLC Metals	STLC Lead	TTLC Lead	pH Total Lead	Specific Conductance	8310	24 Hour TAT	48 Hour TAT	Regular Lab TAT	Other TAT ( )
1		X				X								98	5	19		S-6.5-B3			HO	d													
2																		S-11.5-B3			X	X								X	X			X	
3																		S-14.5-B3			X	X									X	X			
4																		S-6.5-B4			HO	D													
5																		S-11.5-B4			X	X								X	X	X		X	
6																		S-14.5-B4			X	X									X				
7																		S-6.5-B5			HO	D													
8																		S-11.5-B5			X	X								X	X	X		X	
9																		S-14.5-B5			X	X									X				
10						2												S-0519-1A,B			X	X								X	X			X	— Composit 2:1

LABORATORY NAME AND ADDRESS

Curtis & Tompkins
Berkeley, CA

CHAIN OF CUSTODY RECORD

Relinquished By:	Date/Time	Received By:	Date/Time
Claudio Avila		[illegible]	5/20/98 9:30
Relinquished By:	Date/Time	Received By:	Date/Time
Relinquished By:	Date/Time	Received By:	Date/Time
Relinquished By:	Date/Time	Received By:	Date/Time
Airbill Number:	Date/Time	Received By Lab:	Date/Time

Please Deliver Analytical Results to:

Project Manager: Claudio Avila
CAL INC
2040 Peabody Road, Suite 400
Vacaville, California 95687
(707) 446-7996
(707) 446-4906 facsimile

SPECIAL INSTRUCTIONS

003

CAL INC

Nº 0335

133780

CHAIN OF CUSTODY

PROJECT NAME AND DESCRIPTION: 2809 Camp Parks
PROJECT LOCATION: Bldg 888
SAMPLING CREW: Claudio Avila

Matrix: Water	Matrix: Soil	Number of Containers and Preservative Information: Glass Jar	2-inch Brass Tube	40 VOA - HCL	1 Liter Amber Unpreserved	1 Liter Amber - HCL	1 Liter Plastic - HNO3	1 Liter Plastic - Unpreserved	Date: Year	Month	Day	Time	Sample Number / Sample Description	Analyses: EPA 418.1	EPA 8010	EPA 8015M TPHg/TPHd	EPA 8020 BTEX / MTBE	EPA 8080	EPA 8240	EPA 8270	TPH-G + BTEX	TTLC Metals	STLC Metals	STLC Lead	TTLC Lead	pH Total Lead	Specific Conductance	X 8310	24 Hour TAT	48 Hour TAT	Regular Lab TAT	Other TAT ( )
X				4		1			98	5	19		W-14-B3			X	X									X		X			

LABORATORY NAME AND ADDRESS
Curtis & Tompkins
Berkeley, CA

CHAIN OF CUSTODY RECORD

Relinquished By:	Date/Time	Received By:	Date/Time
Claudio Avila	5/20/98 930	David Hanna	5/20/98 9:30
Relinquished By:	Date/Time	Received By:	Date/Time
Relinquished By:	Date/Time	Received By:	Date/Time
Relinquished By:	Date/Time	Received By:	Date/Time
Airbill Number:	Date/Time	Received By Lab:	Date/Time

Please Deliver Analytical Results to:
Project Manager: Claudio Avila
CAL INC
2040 Peabody Road, Suite 400
Vacaville, California 95687
(707) 446-7996
(707) 446-4906 facsimile

SPECIAL INSTRUCTIONS
Silica gel clean up on TPHd
Filter groundwater sample for lead

0004

Percent Moisture Summary Report

Date: 29-MAY-98
Batch: 41164
Analyst: MR

Sample	Method	Date	Tare(g)	Wet(g)	Dry(g)	Percent Solids	Percent Moisture
133788-002	CLP SOW 390	29-MAY-98	15.3467	22.5517	21.0301	79	21
133788-003	CLP SOW 390	29-MAY-98	15.8074	23.0962	21.751	82	18
133788-005	CLP SOW 390	29-MAY-98	15.0068	21.9993	20.1185	73	27
133788-006	CLP SOW 390	29-MAY-98	14.9918	22.4047	20.8921	80	20
133788-008	CLP SOW 390	29-MAY-98	15.3636	23.6887	21.7895	77	23
133788-009	CLP SOW 390	29-MAY-98	15.3172	22.9112	21.2276	78	22
133788-010	CLP SOW 390	29-MAY-98	15.9743	23.9912	21.9323	74	26
133833-001	CLP SOW 390	29-MAY-98	15.978	22.5305	20.5206	69	31
133833-002	CLP SOW 390	29-MAY-98	15.0377	22.9507	20.5064	69	31
133834-001	CLP SOW 390	29-MAY-98	15.0289	22.6405	20.291	69	31
133834-002	CLP SOW 390	29-MAY-98	15.3741	22.3943	21.1868	83	17
133834-003	CLP SOW 390	29-MAY-98	15.6318	22.6911	19.0072	48	52
133834-004	CLP SOW 390	29-MAY-98	15.3061	22.7434	20.2331	66	34
133834-005	CLP SOW 390	29-MAY-98	15.6628	22.772	19.993	61	39
133834-006	CLP SOW 390	29-MAY-98	15.5636	22.2049	19.4066	58	42
133834-007	CLP SOW 390	29-MAY-98	15.4195	23.0466	20.0751	61	39
133834-008	CLP SOW 390	29-MAY-98	15.5617	23.5205	20.9387	68	32
133834-009	CLP SOW 390	29-MAY-98	15.5044	23.1386	20.9534	71	29
133834-010	CLP SOW 390	29-MAY-98	15.3306	22.8365	20.0517	63	37
QC71726	CLP SOW 390	29-MAY-98	15.7868	22.132	19.7667	63	37
of 133834-010					RPD:	0.3%	0.5%

Curtis & Tompkins, Ltd.

TVH-Total Volatile Hydrocarbons

Client: CAL Inc.
Project#: 2809
Location: Camp Parks

Analysis Method: EPA 8015M
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
133788-002	S-11.5-B3	41201	05/19/98	05/31/98	05/31/98	21%
133788-003	S-14.5-B3	41201	05/19/98	05/31/98	05/31/98	18%
133788-005	S-11.5-B4	41201	05/19/98	05/31/98	05/31/98	27%
133788-006	S-14.5-B4	41201	05/19/98	05/31/98	05/31/98	20%

Matrix: Soil

Analyte Diln Fac:	Units	133788-002 1	133788-003 1	133788-005 1	133788-006 1
Gasoline C7-C12	mg/Kg	<1.3	<1.2	<1.4	<1.3
Surrogate					
Trifluorotoluene	%REC	114	112	112	112
Bromofluorobenzene	%REC	104	104	106	105

BTXE

Client: CAL Inc.
Project#: 2809
Location: Camp Parks

Analysis Method: EPA 8020A
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
133788-002	S-11.5-B3	41201	05/19/98	05/31/98	05/31/98	21%
133788-003	S-14.5-B3	41201	05/19/98	05/31/98	05/31/98	18%
133788-005	S-11.5-B4	41201	05/19/98	05/31/98	05/31/98	27%
133788-006	S-14.5-B4	41201	05/19/98	05/31/98	05/31/98	20%

Matrix: Soil

Analyte	Units	133788-002	133788-003	133788-005	133788-006
Diln Fac:		1	1	1	1
MTBE	ug/Kg	<25	<24	<27	<25
Benzene	ug/Kg	<6.3	<6.1	<6.8	<6.3
Toluene	ug/Kg	<6.3	<6.1	<6.8	<6.3
Ethylbenzene	ug/Kg	<6.3	<6.1	<6.8	<6.3
m,p-Xylenes	ug/Kg	<6.3	<6.1	<6.8	<6.3
o-Xylene	ug/Kg	<6.3	<6.1	<6.8	<6.3
Surrogate					
Trifluorotoluene	%REC	85	85	86	85
Bromofluorobenzene	%REC	87	84	85	83

TVH-Total Volatile Hydrocarbons

Client: CAL Inc.
Project#: 2809
Location: Camp Parks

Analysis Method: EPA 8015M
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
133788-008	S-11.5-B5	41201	05/19/98	05/31/98	05/31/98	23%
133788-009	S-14.5-B5	41201	05/19/98	05/31/98	05/31/98	22%
133788-010	S-0519-1A,B	41201	05/19/98	05/31/98	05/31/98	26%

Matrix: Soil

Analyte	Units	133788-008	133788-009	133788-010
Diln Fac:		1	1	1
Gasoline C7-C12	mg/Kg	<1.3	<1.3	<1.4
Surrogate				
Trifluorotoluene	%REC	108	111	113
Bromofluorobenzene	%REC	109	100	106

BTXE

Client: CAL Inc.
Project#: 2809
Location: Camp Parks

Analysis Method: EPA 8020A
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
133788-008	S-11.5-B5	41201	05/19/98	05/31/98	05/31/98	23%
133788-009	S-14.5-B5	41201	05/19/98	05/31/98	05/31/98	22%
133788-010	S-0519-1A,B	41201	05/19/98	05/31/98	05/31/98	26%

Matrix: Soil

Analyte	Units	133788-008	133788-009	133788-010
Diln Fac:		1	1	1
MTBE	ug/Kg	<26	<26	<27
Benzene	ug/Kg	<6.5	<6.4	<6.8
Toluene	ug/Kg	<6.5	<6.4	<6.8
Ethylbenzene	ug/Kg	<6.5	<6.4	<6.8
m,p-Xylenes	ug/Kg	<6.5	<6.4	<6.8
o-Xylene	ug/Kg	<6.5	<6.4	<6.8
Surrogate				
Trifluorotoluene	%REC	82	83	85
Bromofluorobenzene	%REC	81	80	82

TVH-Total Volatile Hydrocarbons

Client:	CAL Inc.	Analysis Method:	EPA 8015M
Project#:	2809	Prep Method:	EPA 5030
Location:	Camp Parks		

METHOD BLANK

Matrix:	Soil	Prep Date:	05/30/98
Batch#:	41201	Analysis Date:	05/30/98
Units:	mg/Kg		
Diln Fac:	1		

MB Lab ID: QC71859

Analyte	Result
Gasoline C7-C12	<1.0

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	110	65-135
Bromofluorobenzene	100	65-135

BTXE

Client:	CAL Inc.	Analysis Method:	EPA 8020A
Project#:	2809	Prep Method:	EPA 5030
Location:	Camp Parks		

METHOD BLANK

Matrix:	Soil	Prep Date:	05/30/98
Batch#:	41201	Analysis Date:	05/30/98
Units:	ug/Kg		
Diln Fac:	1		

MB Lab ID: QC71859

Analyte	Result
MTBE	<20
Benzene	<5.0
Toluene	<5.0
Ethylbenzene	<5.0
m,p-Xylenes	<5.0
o-Xylene	<5.0

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	84	65-135
Bromofluorobenzene	83	65-135

TVH-Total Volatile Hydrocarbons

Client:	CAL Inc.	Analysis Method:	EPA 8015M
Project#:	2809	Prep Method:	EPA 5030
Location:	Camp Parks		

LABORATORY CONTROL SAMPLE

Matrix:	Soil	Prep Date:	05/30/98
Batch#:	41201	Analysis Date:	05/30/98
Units:	mg/Kg		
Diln Fac:	1		

LCS Lab ID: QC71857

Analyte	Result	Spike Added	%Rec #	Limits
Gasoline C7-C12	9.42	10	94	65-135

Surrogate	%Rec	Limits
Trifluorotoluene	133	65-135
Bromofluorobenzene	100	65-135

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

BTXE

Client: CAL Inc.
Project#: 2809
Location: Camp Parks

Analysis Method: EPA 8020A
Prep Method: EPA 5030

LABORATORY CONTROL SAMPLE

Matrix: Soil
Batch#: 41201
Units: ug/Kg
Diln Fac: 1

Prep Date: 05/30/98
Analysis Date: 05/30/98

LCS Lab ID: QC71858

Analyte	Result	Spike Added	%Rec #	Limits
MTBE	95.9	100	96	65-135
Benzene	90.18	100	90	65-135
Toluene	92.57	100	93	65-135
Ethylbenzene	89.33	100	89	65-135
m,p-Xylenes	98.32	100	98	65-135
o-Xylene	93.01	100	93	65-135

Surrogate	%Rec	Limits
Trifluorotoluene	83	65-135
Bromofluorobenzene	82	65-135

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

TVH-Total Volatile Hydrocarbons

Client:	CAL Inc.	Analysis Method:	EPA 8015M
Project#:	2809	Prep Method:	EPA 5030
Location:	Camp Parks		

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID:	ZZZZZZ	Sample Date:	05/18/98
Lab ID:	133704-003	Received Date:	05/19/98
Matrix:	Soil	Prep Date:	06/01/98
Batch#:	41201	Analysis Date:	06/01/98
Units:	mg/Kg dry weight	Moisture:	18%
Diln Fac:	1		

MS Lab ID: QC71860

Analyte	Spike Added	Sample	MS	%Rec #	Limits
Gasoline C7-C12	12.2	<1.22	11.85	97	65-135

Surrogate	%Rec	Limits
Trifluorotoluene	137*	65-135
Bromofluorobenzene	107	65-135

MSD Lab ID: QC71861

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
Gasoline C7-C12	12.2	11.76	96	65-135	1	35

Surrogate	%Rec	Limits
Trifluorotoluene	140*	65-135
Bromofluorobenzene	109	65-135

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

PATH AND FILENAME OF SUMMARY FILE
G:\GC05\DATA\TVHICALC.CSV

File Name	Sample Name	ng	gas:7-12 Area [µV·s]	gas:7-12 SURROGATES Area [µV·s]	ADJUSTED AREA Area [µV·s]	CAL FACTOR [µV·s / NG]
120G005.	GAS 1,250ng,98WS	250	2344647.12	1933409.74	411237.38	1644.9495
120G006.	GAS 2,500ng,98WS	500	2654805.22	1942763.32	712041.90	1424.0838
120G007.	GAS 3,1000ng,98W	1000	3371774.77	2011419.22	1360355.55	1360.3556
120G008.	GAS 4,2500ng,98W	2500	5434798.13	2143446.30	3291351.83	1316.5407
120G009.	GAS 5,5000ng,98W	5000	9283455.63	2182838.46	7100617.17	1420.1234
120G010.	GAS 6,10000ng,98	10000	16997505.07	2405395.44	14592109.63	1459.2110
120G011.	GAS 7,15000ng,98	15000	25804585.04	2654543.32	23150041.72	1543.3361
120G012.	GAS 8,25000ng,98	25000	39358626.04	3067802.69	36290823.35	1451.6329
120G013.	GAS 9,50000ng,98	50000	75274531.79	4246624.18	71027907.61	1420.5582

Average Calibration Factor	1448.9768
%RSD	6.7
QC STATUS > (LIMITS: RSD < 20.5 %)	PASS

********** TVH ICAL Summary Report **********

File	Sample Name	Study	Date of Injection	GAS:7-12 Area [µV·s]	GAS:7-12 SURROGATES Area [µV·s]
[illegible]05.	GAS 1,250ng,98WS	TVH I	4/30/98	2344647.1164	1933409.7376
120G006.	GAS 2,500ng,98WS	TVH I	4/30/98	2654805.2175	1942763.3161
120G007.	GAS 3,1000ng,98W	TVH I	4/30/98	3371774.7724	2011419.2190
120G008.	GAS 4,2500ng,98W	TVH I	4/30/98	5434798.1279	2143446.2958
120G009.	GAS 5,5000ng,98W	TVH I	4/30/98	9283455.6337	2182838.4605
120G010.	GAS 6,10000ng,98	TVH I	4/30/98	16997505.0667	2405395.4400
120G011.	GAS 7,15000ng,98	TVH I	4/30/98	25804585.0434	2654543.3222
120G012.	GAS 8,25000ng,98	TVH I	4/30/98	39358626.0372	3067802.6862
120G013.	GAS 9,50000ng,98	TVH I	4/30/98	75274531.7907	4246624.1784

ASCII File Created Successfully - Stored in: G:\GC05\DATA\TVHICALC.csv

Turbochrom Method File : G:\GC05\METHODS\G_043098.MTH
Created by : AMP on : 5/1/98 12:36 PM
Edited by : TEW on : 5/1/98 01:01 PM
Description :
GC05 TVH 'G' DATA FILE
Gas ICAL Date: 043098 from APR30.SEQ
JP4 ICAL Date: 022698 from FEB27CAL.SEQ
TFT/BFB Surrogates ICAL Date: 022698 from FEB27CAL.SEQ

Number of Times Edited : 1
Number of Times Calibrated : 3

Instrument Conditions :

Capillary GC	-GC05_TVHBTXE
Instrument	:HP-5890
Column	:DB-624
Column Length	:30m
Carrier Gas	:He
Flow Rate	:5 mls/min
Split Ratio	:NA
Temperature	:40 - 225
Injection Temp.	:200
Detector 1	:FID
Detector 2	:PID
Notes	:FOR TVH ANALYSIS

Instrument Control Method:
Instrument name : GC05_TVHBTXE

Interface Parameters :
Delay Time : 0.00 min.
Run Time : 26.80 min.
Sampling Rate : 1.0000 pts/s
Interface Type : 900
Analog Voltage Input : 10000 mV
Data will be collected from channel ~~B~~ A

Timed Events:
There are no timed events in the method

Real Time Plot Parameters :
Channel A -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV
Channel B -- Pages: 1 Offset: 1.000 mV Scale: 250.000 mV

Processing Parameters :
Bunch Factor : 1 points
Noise Threshold : 30 µV
Area Threshold : 150.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
Event #1 - +CB at 0.500

Annotated Replot Parameters :
Offset will be autozeroed
Plot Scale : 250.000 mV

Number of Pages : 1
Plot Title : GC05 'H' File TVH
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Top of Plot
Component Labels : Actual Time
Automatically set plot start and end times to data limits

Report Format files :
Report Format file #1 : G:\GC05\TVHBTXE\SURR.RPT

User Programs :
No user programs will be executed

Global Information :
Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :
TRIFLUOROTOLUENE
Component Type : Single Peak Component
Retention Time : 6.171 min Search Window: 1.80 s, 2.00 %
Reference Component:
Find peak closest to expected RT in window
Quantitation will be done using response factor = 2434.755284 Factor from G_022698.MTH JGN

GAS:7-12 SURROGATES
Component Type : Named Group
Group Members:
TRIFLUOROTOLUENE
BROMOFLUOROBENZENE

Quantitation will use calibration reference : GAS:7-12

JP4:7-12 SURROGATES
Component Type : Named Group
Group Members:

TRIFLUOROTOLUENE
BROMOFLUOROBENZENE

Quantitation will use calibration reference : JP4:7-12

JP4:7-12
Component Type : Timed Group
Start Time : 4.949 min End Time : 21.810 min
Reference Component:
Quantitation will be done using response factor = 1935.715300 Factor from G_022698.MT

GAS:7-12
Component Type : Timed Group
Start Time : 4.949 min End Time : 21.810 min
Reference Component:
Quantitation will be done using response factor = 1448.976800

BROMOFLUOROBENZENE
Component Type : Single Peak Component
Retention Time : 14.025 min Search Window: 1.80 s, 2.00 %
Reference Component:
Find peak closest to expected RT in window
Quantitation will be done using response factor = 1477.957673 Factor from G_022698.MT

Calibration Replicate Lists:
Component: TRIFLUOROTOLUENE
Level : TFT/BFB 1
This level has no replicate injections

Level : TFT/BFB 2
This level has no replicate injections

Level : TFT/BFB 3
This level has no replicate injections

Level : TFT/BFB 4
This level has no replicate injections

Level : TFT/BFB 5
This level has no replicate injections

Component: GAS:7-12 SURROGATES
Level : TFT/BFB 1
This level has no replicate injections

Level : TFT/BFB 2
This level has no replicate injections

Level : GAS 1
This level has no replicate injections

Level : JP4 1
This level has no replicate injections

Turbochrom Method File : G:\GC05\METHODS\H_051898.MTH
Created by : AMP on : 5/19/98 11:51 AM
Edited by : TEW on : 5/19/98 02:35 PM
Description :
CALIBRATION METHOD FOR " H " DATA FILE
BTXE ICAL DATE:18MAY98 from MAY18.SEQ
SURROGATE ICAL DATE:26FEB98 from FEB27CAL.SEQ

Number of Times Edited : 1
Number of Times Calibrated : 9

Instrument Conditions :

Capillary GC	-GC05_TVHBTXE
Instrument	:HP-5890
Column	:DB-624
Column Length	:30m
Carrier Gas	:He
Flow Rate	:5 mls/min
Split Ratio	:NA
Temperature	:40 - 225
Injection Temp.	:200
Detector 1	:FID
Detector 2	:PID
Notes	:FOR BTXE ANALYSIS

Instrument Control Method:
Instrument name : GC05_TVHBTXE

Interface Parameters :

Delay Time	: 0.00 min.
Run Time	: 26.80 min.
Sampling Rate	: 1.0000 pts/s
Interface Type	: 900
Analog Voltage Input	: 10000 mV
Data will be collected from channel	~~A~~ B

JGW

Timed Events:
There are no timed events in the method

Real Time Plot Parameters :

Channel A -- Pages:	1	Offset: 0.000 mV	Scale: 250.000 mV
Channel B -- Pages:	1	Offset: 0.000 mV	Scale: 1000.000 mV

Processing Parameters :

Bunch Factor	: 1 points
Noise Threshold	: 5 µV
Area Threshold	: 25.00 µV

Peak Separation Criteria

Width Ratio	: 0.200
Valley-to-Peak Ratio	: 0.010

Exponential Skim Criteria

Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

P eline Timed Events :
No baseline timed events

Annotated Replot Parameters :
Offset will be autozeroed
Plot Scale : 250.000 mV

Number of Pages : 1
Plot Title : GC05 'G' File PID BTXE Quant
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Top of Plot
Component Labels : Actual Time
Automatically set plot start and end times to data limits

Report Format files :
No report format files given

User Programs :
No user programs will be executed

bal Information :
Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :
MTBE
Component Type : Single Peak Component
Retention Time : 2.252 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : MTBE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 2	5.0000	3115.71	534.30	----------	----------	1
BTXE 3	12.5000	6174.38	1135.00	----------	----------	1
BTXE 4	50.0000	27624.86	4811.23	----------	----------	1
BTXE 5	100.0000	56536.88	10365.83	----------	----------	1
BTXE 6	250.0000	157595.46	27959.08	----------	----------	1

BTXE 7	500.0000	324037.54	57937.18	----------	----------	1
BTXE 8	750.0000	466142.90	84354.61	----------	----------	1
BTXE 9	1000.0000	652196.71	117671.14	----------	----------	1

Average Calibration Factor = 598.725363 (%RSD = 9.31)

BENZENE

Component Type : Single Peak Component
Retention Time : 4.391 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : BENZENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	8850.00	1106.07	----------	----------	1
BTXE 2	5.0000	12115.00	1593.78	----------	----------	1
BTXE 3	12.5000	30785.00	4262.47	----------	----------	1
BTXE 4	50.0000	142740.00	20305.60	----------	----------	1
BTXE 5	100.0000	299100.00	43119.51	----------	----------	1
BTXE 6	250.0000	737920.00	107362.03	----------	----------	1
BTXE 7	500.0000	1471330.00	215549.36	----------	----------	1
BTXE 8	750.0000	2301690.00	336898.35	----------	----------	1
BTXE 9	1000.0000	2431310.00	357408.59	----------	----------	1

Average Calibration Factor = 2851.796667 (%RSD = 12.83)

TRIFLUOROTOLUENE

Component Type : Single Peak Component
Retention Time : 6.179 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : TFT
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
TFT/BFB 1	150.0000	231135.00	0.00	----------	----------	0
TFT/BFB 2	225.0000	373640.00	0.00	----------	----------	0
TFT/BFB 3	450.0000	713040.00	0.00	----------	----------	0
TFT/BFB 4	675.0000	974730.00	0.00	----------	----------	0
TFT/BFB 5	950.0000	1577440.00	0.00	----------	----------	0

Average Calibration Factor = 1578.112632 (%RSD = 5.75)

TOLUENE

Component Type : Single Peak Component
Retention Time : 8.054 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)

User Values:
Label : TOLUENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	6970.00	927.50	----------	----------	1
BTXE 2	5.0000	11190.00	1413.22	----------	----------	1
BTXE 3	12.5000	27625.00	3740.89	----------	----------	1
[illegible]	50.0000	127700.00	17690.77	----------	----------	1
[illegible] 5	100.0000	272235.00	37823.84	----------	----------	1
BTXE 6	250.0000	674560.00	95185.27	----------	----------	1
BTXE 7	500.0000	1340580.00	189525.50	----------	----------	1
BTXE 8	750.0000	2074075.00	296163.88	----------	----------	1
BTXE 9	1000.0000	2205740.00	315175.10	----------	----------	1

Average Calibration Factor = 2540.324815 (%RSD = 9.87)

ETHYLBENZENE
Component Type : Single Peak Component
Retention Time : 11.529 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : ETHYLBENZENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	6450.69	760.04	----------	----------	1
BTXE 2	5.0000	9320.36	1126.08	----------	----------	1
BTXE 3	12.5000	23319.84	3090.01	----------	----------	1
BTXE 4	50.0000	104635.34	14780.67	----------	----------	1
BTXE 5	100.0000	221142.53	31764.00	----------	----------	1
BTXE 6	250.0000	549762.43	81021.19	----------	----------	1
BTXE 7	500.0000	1094187.03	160721.81	----------	----------	1
BTXE 8	750.0000	1711481.62	251981.04	----------	----------	1
BTXE 9	1000.0000	1819600.80	268192.23	----------	----------	1

Average Calibration Factor = 2122.562777 (%RSD = 11.52)

m,p-XYLENE
Component Type : Single Peak Component
Retention Time : 11.835 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : m,p-XYLENE
Value 1: 100.000000
Value 2: 200.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt	# Replicates
BTXE 1	5.0000	13094.31	1636.59	----------	----------	1
BTXE 2	10.0000	20729.64	2513.93	----------	----------	1
BTXE 3	25.0000	54980.16	7052.64	----------	----------	1
BTXE 4	100.0000	257104.66	34113.57	----------	----------	1
BTXE 5	200.0000	539177.47	72779.33	----------	----------	1
BTXE 6	500.0000	1333827.57	181627.08	----------	----------	1
BTXE 7	1000.0000	2634372.97	366385.55	----------	----------	1
BTXE 8	1500.0000	4082048.38	570734.03	----------	----------	1
BTXE 9	2000.0000	4354229.20	610070.42	----------	----------	1

Average Calibration Factor = 2484.275093 (%RSD = 10.34)

o-XYLENE

Component Type : Single Peak Component
Retention Time : 12.753 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : o-XYLENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	5250.00	697.55	----------	----------	1
BTXE 2	5.0000	7980.00	1060.27	----------	----------	1
BTXE 3	12.5000	22570.00	2958.47	----------	----------	1
BTXE 4	50.0000	104720.00	14376.70	----------	----------	1
BTXE 5	100.0000	218800.00	30615.54	----------	----------	1
BTXE 6	250.0000	549080.00	77890.11	----------	----------	1
BTXE 7	500.0000	1092980.00	155337.75	----------	----------	1
BTXE 8	750.0000	1697380.00	241570.74	----------	----------	1
BTXE 9	1000.0000	1852050.00	264486.10	----------	----------	1

Average Calibration Factor = 2031.278148 (%RSD = 11.15)

BROMOFLUOROBENZENE

Component Type : Single Peak Component
Retention Time : 14.035 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : BFB
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
TFT/BFB 1	150.0000	436180.00	0.00	----------	----------	0
TFT/BFB 2	225.0000	706050.00	0.00	----------	----------	0
TFT/BFB 3	450.0000	1417452.36	0.00	----------	----------	0
TFT/BFB 4	675.0000	1953946.94	0.00	----------	----------	0
TFT/BFB 5	950.0000	3147680.00	0.00	----------	----------	0

Average Calibration Factor = 3080.768875 (%RSD = 5.78)

Turbochrom Method File : G:\GC05\METHODS\E_051898.MTH <Modified>
Created by : AMP on : 5/19/98 12:04 PM
Edited by : TEW on : 5/19/98 02:39 PM
Description :
BTXE ICAL DATE: 18MAY98 from MAY18.SEQ
SURROGATES ICAL DATE: 26FEB98 from FEB27CAL.SEQ

Number of Times Edited : 3
Number of Times Calibrated : 8

Instrument Conditions :

Capillary GC	-GC05_BTXE
Instrument	:HP-5890
Column	:DB-624
Column Length	:30m
Carrier Gas	:He
Flow Rate	:5 mls/min
Split Ratio	:NA
Temperature	:40 - 225
Injection Temp.	:200
Detector 1	:FID
Detector 2	:PID
Notes	:FOR BTXE ANALYSIS

Instrument Control Method:
Instrument name : GC05_BTXE

Interface Parameters :

Delay Time	: 0.00 min.
Run Time	: 26.80 min.
Sampling Rate	: 1.0000 pts/s
Interface Type	: 900
Analog Voltage Input	: 10000 mV

Data will be collected from channel A

Timed Events:
There are no timed events in the method

Real Time Plot Parameters :

Channel A -- Pages:	1	Offset: 0.000 mV	Scale: 250.000 mV
Channel B -- Pages:	1	Offset: 0.000 mV	Scale: 1000.000 mV

Processing Parameters :

Bunch Factor	: 1 points
Noise Threshold	: 5 µV
Area Threshold	: 25.00 µV

Peak Separation Criteria

Width Ratio	: 0.200
Valley-to-Peak Ratio	: 0.010

Exponential Skim Criteria

Peak Height Ratio	: 5.000

Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
No baseline timed events

Annotated Replot Parameters :
Offset will be autozeroed
Plot Scale : 250.000 mV

Number of Pages : 1
Plot Title : GC05 'E' File BTXE PID CONFIRM
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Top of Plot
Component Labels : Actual Time
Automatically set plot start and end times to data limits

Report Format files :
No report format files given

User Programs :
No user programs will be executed

Global Information :
Default Sample Volume : 1.000 ul
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :
MTBE
Component Type : Single Peak Component
Retention Time : 2.135 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : MTBE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 3	12.5000	28620.00	4974.92	----------	----------	1
BTXE 4	50.0000	86860.00	15874.55	----------	----------	1
BTXE 5	100.0000	155100.00	31332.30	----------	----------	1
BTXE 6	250.0000	406810.00	85855.05	----------	----------	1
BTXE 7	500.0000	874450.00	183242.70	----------	----------	1
BTXE 8	750.0000	1257490.00	267234.09	----------	----------	1
BTXE 9	1000.0000	1760040.00	373599.17	----------	----------	1

Average Calibration Factor = 1770.090476 (%RSD = 13.62)

BENZENE

Component Type : Single Peak Component
Retention Time : 3.740 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : BENZENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	16630.00	2768.61			1
BTXE 3	12.5000	69910.00	11734.89			1
BTXE 4	50.0000	372572.50	60765.01			1
BTXE 5	100.0000	819200.00	135068.22			1
BTXE 6	250.0000	2118535.00	349688.69			1
BTXE 7	500.0000	4379278.12	720149.62			1
BTXE 8	750.0000	6921520.00	1.14e+06			1
BTXE 9	1000.0000	7318940.00	1.21e+06			1

Average Calibration Factor = 7708.572446 (%RSD = 15.54)

TRIFLUOROTOLUENE

Component Type : Single Peak Component
Retention Time : 5.196 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : TFT
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
TFT/BFB 1	150.0000	411676.67	0.00			0
TFT/BFB 2	225.0000	689147.91	0.00			0
TFT/BFB 3	450.0000	1387344.29	0.00			0
TFT/BFB 4	675.0000	1922224.00	0.00			0
TFT/BFB 5	950.0000	3104187.57	0.00			0

Average Calibration Factor = 3001.136633 (%RSD = 6.89)

TOLUENE

Component Type : Single Peak Component
Retention Time : 7.253 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : TOLUENE
Value 1: 100.000000

Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	14010.00	2073.23	----------	----------	1
BTXE 3	12.5000	62850.00	8908.23	----------	----------	1
BTXE 4	50.0000	312250.00	45925.70	----------	----------	1
BTXE 5	100.0000	706200.00	104256.70	----------	----------	1
BTXE 6	250.0000	1861455.00	276201.94	----------	----------	1
BTXE 7	500.0000	illegible	illegible	----------	----------	1
BTXE 8	750.0000	6102790.00	897870.77	----------	----------	1
BTXE 9	1000.0000	6468685.00	955035.28	----------	----------	1

Average Calibration Factor = 6709.174792 (%RSD = 15.91)

ETHYLBENZENE

Component Type : Single Peak Component
Retention Time : 10.757 min Search Window: 1.80 s, 2.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : ETHYLBENZENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	11192.86	1501.49	----------	----------	1
BTXE 3	12.5000	48245.81	7016.47	----------	----------	1
BTXE 4	50.0000	265529.55	38260.16	----------	----------	1
BTXE 5	100.0000	597059.10	87743.29	----------	----------	1
BTXE 6	250.0000	1593444.41	234804.67	----------	----------	1
BTXE 7	500.0000	3267014.93	479243.17	----------	----------	1
BTXE 8	750.0000	5185467.97	758584.37	----------	----------	1
BTXE 9	1000.0000	5492228.59	807760.76	----------	----------	1

Average Calibration Factor = 5616.497914 (%RSD = 18.70)

m,p-XYLENE

Component Type : Single Peak Component
Retention Time : 11.094 min Search Window: 1.80 s, 2.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : m,p-XYLENE
Value 1: 100.000000
Value 2: 200.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	5.0000	30367.95	3454.87	----------	----------	1
BTXE 3	25.0000	119669.19	15358.22	----------	----------	1
BTXE 4	100.0000	674100.45	84081.64	----------	----------	1
BTXE 5	200.0000	1500430.90	188421.72	----------	----------	1
BTXE 6	500.0000	3907105.59	492797.01	----------	----------	1

BTXE 7	1000.0000	7927155.07	1.00e+06	----------	----------	1
BTXE 8	1500.0000	12447017.03	1.59e+06	----------	----------	1
BTXE 9	2000.0000	13332921.41	1.70e+06	----------	----------	1

Average Calibration Factor = 6976.169257 (%RSD = 16.60)

o-XYLENE

Component Type : Single Peak Component
Retention Time : 11.889 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : o-XYLENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	10580.00	1493.32	----------	----------	1
BTXE 3	12.5000	48200.00	6913.84	----------	----------	1
BTXE 4	50.0000	256380.00	37020.24	----------	----------	1
BTXE 5	100.0000	568800.00	83135.49	----------	----------	1
BTXE 6	250.0000	1533890.00	221988.98	----------	----------	1
BTXE 7	500.0000	3146615.00	453219.43	----------	----------	1
BTXE 8	750.0000	4945965.00	714798.42	----------	----------	1

Average Calibration Factor = 5418.144286 (%RSD = 19.46)

BROMOFLUOROBENZENE

Component Type : Single Peak Component
Retention Time : 12.737 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : BFB
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
TFT/BFB 1	150.0000	819295.00	0.00	----------	----------	0
TFT/BFB 2	225.0000	1367580.00	0.00	----------	----------	0
TFT/BFB 3	450.0000	2844310.00	0.00	----------	----------	0
TFT/BFB 4	675.0000	3968560.00	0.00	----------	----------	0
TFT/BFB 5	950.0000	6522876.62	0.00	----------	----------	0

Average Calibration Factor = 6121.264591 (%RSD = 8.53)

Calibration Replicate Lists:

Component: MTBE

Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
28620.00	4974.92	12.5000	----------	----------	5/19/98 01:56 PM	138EC020.

TOTAL VOLATILE HYDROCARBON CALIBRATION VERIFICATION SUMMARY

Instrument ID:	GC05	Matrix :	SOIL
Sequence ID:	May30	Batch Number:	41201
ICAL Date:	30-Apr-98	LIMS STANDARD ID:	98WS5863

ANALYTE	FILENAME	DATE ANALYZED	CALC AMOUNT mg/Kg	NOM AMOUNT mg/Kg	%D	CCV STAT	TFT REC. %	BFB REC. %	SURR. STATUS
GASOLINE	150G001	30-May-98	9.42	10.00	6	PASS	133	100	PASS
GASOLINE	150G017	30-May-98	9.96	10.00	0	PASS	145	116	PASS
GASOLINE	150G031	31-May-98	9.59	10.00	4	PASS	145	114	PASS
GASOLINE	150G037	31-May-98	9.97	10.00	0	PASS	142	112	PASS

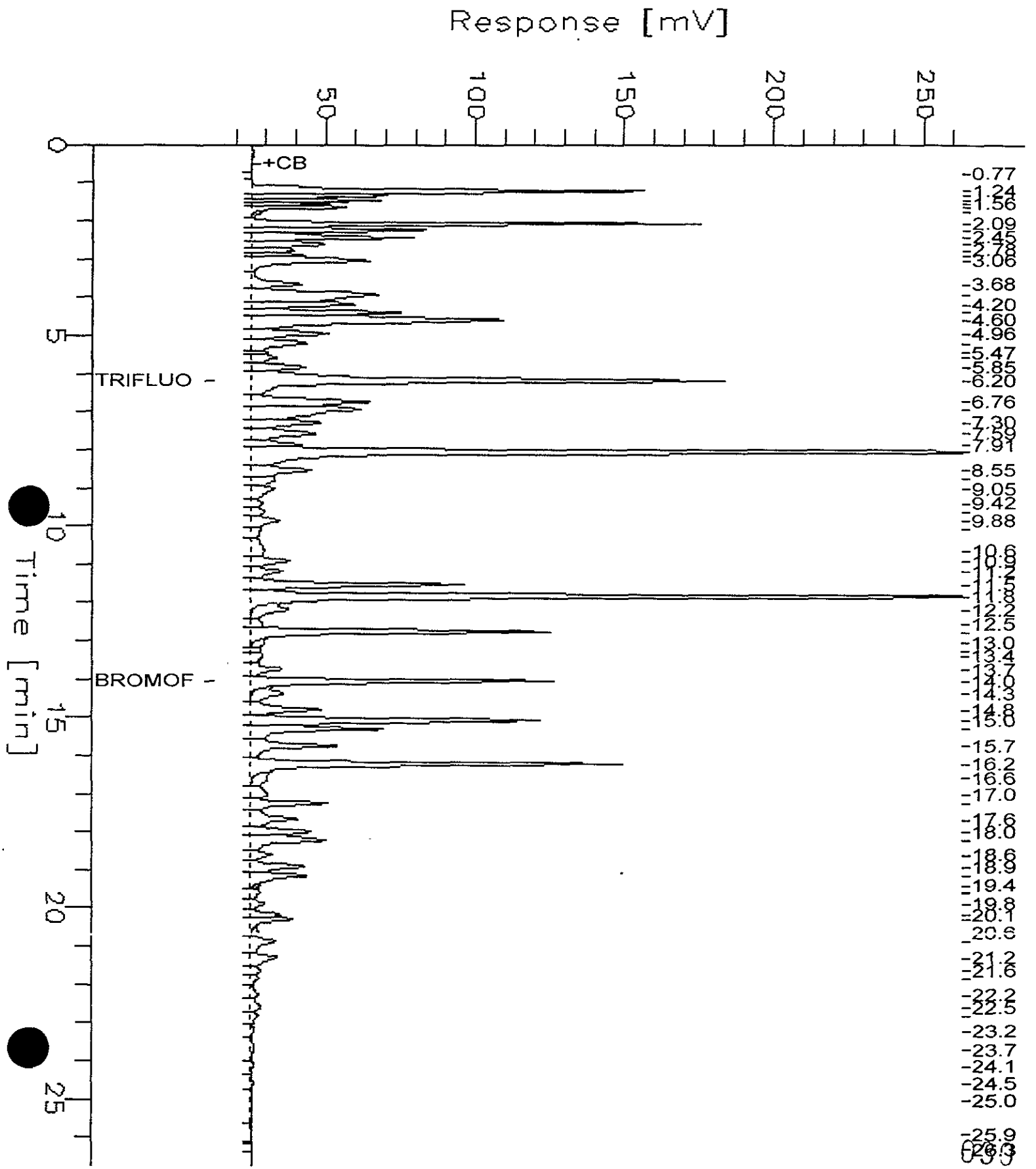
QC LIMITS: CCV = %D of amounts must be less than or equal to 15%

Surrogate Recovery Limits = 53 - 157%

GC05 'H' File TVH

Sample Name : CCV/LCS,QC71857,98WS5863,41201,
FileName : G:\GC05\DATA\150G001.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: -1.0 Plot Offset: 13 mV

Sample #: GAS Page 1 of 1
Date : 5/30/98 12:23 PM
Time of Injection: 5/30/98 11:55 AM
Low Point : 12.90 mV High Point : 262.90 mV
Plot Scale: 250.0 mV



BTXE CALIBRATION VERIFICATION SUMMARY

Instrument ID:	GC05	Matrix :	SOIL
Sequence ID:	May30	Batch Number:	41201
ICAL Date:	18-May-98	LIMS STANDARD ID:	98WS5870 & 98WS5881

ANALYTE	NOM AMOUNT ug/Kg	CALC AMOUNT ug/Kg	%D	CCV STAT
MTBE	100.00	93.97	6	PASS
BENZENE	100.00	98.70	1	PASS
TOLUENE	100.00	103.44	3	PASS
ETHYLBENZENE	100.00	99.35	1	PASS
m,p-XYLENE	200.00	213.85	7	PASS
o-XYLENE	100.00	106.27	6	PASS

FILENAME: 150H004
INJECTION DATE: 5/30/98

TFT REC. %	BFB REC. %	SURR STAT
86	87	PASS

ANALYTE	NOM AMOUNT ug/Kg	CALC AMOUNT ug/Kg	%D	CCV STAT
MTBE	100.00	93.03	7	PASS
BENZENE	100.00	98.38	2	PASS
TOLUENE	100.00	103.31	3	PASS
ETHYLBENZENE	100.00	99.46	1	PASS
m,p-XYLENE	200.00	212.34	6	PASS
o-XYLENE	100.00	105.33	5	PASS

FILENAME: 150H019
INJECTION DATE: 5/30/98

TFT REC. %	BFB REC. %	SURR STAT
81	82	PASS

ANALYTE	NOM AMOUNT ug/Kg	CALC AMOUNT ug/Kg	%D	CCV STAT
MTBE	100.00	104.66	5	PASS
BENZENE	100.00	95.10	5	PASS
TOLUENE	100.00	99.55	0	PASS
ETHYLBENZENE	100.00	94.34	6	PASS
m,p-XYLENE	200.00	198.09	1	PASS
o-XYLENE	100.00	99.78	0	PASS

FILENAME: 150H032
INJECTION DATE: 5/31/98

TFT REC. %	BFB REC. %	SURR STAT
85	83	PASS

ANALYTE	NOM AMOUNT ug/Kg	CALC AMOUNT ug/Kg	%D	CCV STAT
MTBE	100.00	94.96	5	PASS
BENZENE	100.00	97.37	3	PASS
TOLUENE	100.00	103.81	4	PASS
ETHYLBENZENE	100.00	98.76	1	PASS
m,p-XYLENE	200.00	213.06	7	PASS
o-XYLENE	100.00	106.14	6	PASS

FILENAME: 150H038
INJECTION DATE: 5/31/98

TFT REC. %	BFB REC. %	SURR STAT
83	84	PASS

QC LIMITS: CCV = %D of BTXE amounts must be less than or equal to 15% , 20% for MTBE
Surrogate Recovery Limits = TFT 53 - 126% and BFB 35 - 144%

TOTAL VOLATILE HYDROCARBON CALIBRATION VERIFICATION SUMMARY

Instrument ID:	GC05	Matrix :	SOIL
Sequence ID:	Jun01	Batch Number:	41201
ICAL Date:	30-Apr-98	LIMS STANDARD ID:	98WS5863

ANALYTE	FILENAME	DATE ANALYZED	CALC AMOUNT mg/Kg	NOM AMOUNT mg/Kg	%D	CCV STAT	TFT REC. %	BFB REC. %	SURR. STATUS
GASOLINE	152G002	1-Jun-98	9.35	10.00	7	PASS	135	103	PASS
GASOLINE	152G012	1-Jun-98	10.03	10.00	0	PASS	136	106	PASS

QC LIMITS: CCV = %D of amounts must be less than or equal to 15%

Surrogate Recovery Limits = 53 - 157%

Turbochrom Sequence File : G:\GC05\TVHBTXE\MAY30.SEQ
Created by : AMP on : 5/30/98 11:37 AM
Edited by : TEW on : 5/30/98 01:31 PM
Description : JULIAN DATE OF 150GH

Number of Times Edited : 1

Sequence File Header Information:

Number of Rows : 38
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	CCV/LCS,QC71857	GAS	B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	CCV,98WS5833,41	STODDARD	B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	LCS,QC71858,98W	BTEX	B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	CCV,98WS5870&98	BTXE/MTBE	B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	MB,QC71859,4120		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	RR,133722-007,4		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample	RR,D,133722-006		B# 41201 S	5.000	1.000	1.000	500.000	1.000	1.000	0.000	100.000
8	Sample	RR,D,133722-003		B# 41201 S	5.000	1.000	1.000	500.000	1.000	1.000	0.000	100.000
9	Sample	RR,D,133722-001		B# 41201 S	5.000	1.000	1.000	250.000	1.000	1.000	0.000	100.000
10	Sample	IB,41201,		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample	S,133869-001,41		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample	IB,41201,		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample	S,133704-002,41		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample	MSS,133704-003,		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample	MS,QC71860,98WS	GAS	B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	MSD,QC71861,98W	GAS	B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample	CCV,98WS5863,41	GAS	B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	CCV,98WS5833,41	STODDARD	B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Sample	CCV,98WS5870&98	BTXE/MTBE	B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample	IB,41201,		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample	S,133704-006,41		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Sample	S,133704-007,41		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample	S,133704-008,41		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample	S,133788-002,41		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	S,133788-003,41		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample	S,133788-005,41		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample	S,133788-006,41		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample	S,133788-008,41		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	S,133788-009,41		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	S,133788-010,41		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	CCV,98WS5863,41	GAS	B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	CCV,98WS5870&98	BTXE/MTBE	B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	IB,41201,		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	S,133806-004,41		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	S,133806-005,41		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample	S,133806-006,41		B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	CCV,98WS5863,41	GAS	B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample	CCV,98WS5870&98	BTXE/MTBE	B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

Sequence Process Information - Channel A

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	Out Dev
1	-	1	1	TVHBTXE	G_043098	G_043098	TVH_S	150G001	150G001		150G001	-	-	-	LPT1:
2	-	1	2	TVHBTXE	G_043098	G_043098	TVH_S	150G002	150G002		150G002	-	-	-	LPT1:
3	-	1	3	TVHBTXE	G_043098	G_043098	TVH_S	150G003	150G003		150G003	-	-	-	LPT1
	-	1	3	TVHBTXE	G_043098	G_043098	TVH_S	150G004	150G004		150G004	-	-	-	LPT
5	-	1	3	TVHBTXE	G_043098	G_043098	TVH_S	150G005	150G005		150G005	-	-	-	LPT1
6	-	1	4	TVHBTXE	G_043098	G_043098	TVH_S	150G006	150G006		150G006	-	-	-	LPT1:
7	-	1	5	TVHBTXE	G_043098	G_043098	TVH_S	150G007	150G007		150G007	-	-	-	LPT1:
8	-	1	6	TVHBTXE	G_043098	G_043098	TVH_S	150G008	150G008		150G008	-	-	-	LPT1:
9	-	1	8	TVHBTXE	G_043098	G_043098	TVH_S	150G009	150G009		150G009	-	-	-	LPT1:
10	-	1	9	TVHBTXE	G_043098	G_043098	TVH_S	150G010	150G010		150G010	-	-	-	LPT1:
11	-	1	10	TVHBTXE	G_043098	G_043098	TVH_S	150G011	150G011		150G011	-	-	-	LPT1:
12	-	1	11	TVHBTXE	G_043098	G_043098	TVH_S	150G012	150G012		150G012	-	-	-	LPT1:
13	-	1	11	TVHBTXE	G_043098	G_043098	TVH_S	150G013	150G013		150G013	-	-	-	LPT1:
14	-	1	12	TVHBTXE	G_043098	G_043098	TVH_S	150G014	150G014		150G014	-	-	-	LPT1:
15	-	1	12	TVHBTXE	G_043098	G_043098	TVH_S	150G015	150G015		150G015	-	-	-	LPT1:
16	-	1	12	TVHBTXE	G_043098	G_043098	TVH_S	150G016	150G016		150G016	-	-	-	LPT1:
17	-	1	13	TVHBTXE	G_043098	G_043098	TVH_S	150G017	150G017		150G017	-	-	-	LPT1:
18	-	1	13	TVHBTXE	G_043098	G_043098	TVH_S	150G018	150G018		150G018	-	-	-	LPT1:
19	-	1	14	TVHBTXE	G_043098	G_043098	TVH_S	150G019	150G019		150G019	-	-	-	LPT1:
20	-	1	15	TVHBTXE	G_043098	G_043098	TVH_S	150G020	150G020		150G020	-	-	-	LPT1
21	-	1	15	TVHBTXE	G_043098	G_043098	TVH_S	150G021	150G021		150G021	-	-	-	LPT1.
22	-	1	16	TVHBTXE	G_043098	G_043098	TVH_S	150G022	150G022		150G022	-	-	-	LPT1:
23	-	1	17	TVHBTXE	G_043098	G_043098	TVH_S	150G023	150G023		150G023	-	-	-	LPT1:
24	-	1	18	TVHBTXE	G_043098	G_043098	TVH_S	150G024	150G024		150G024	-	-	-	LPT1:
25	-	1	19	TVHBTXE	G_043098	G_043098	TVH_S	150G025	150G025		150G025	-	-	-	LPT1:
26	-	1	20	TVHBTXE	G_043098	G_043098	TVH_S	150G026	150G026		150G026	-	-	-	LPT1:
27	-	1	21	TVHBTXE	G_043098	G_043098	TVH_S	150G027	150G027		150G027	-	-	-	LPT1:
28	-	1	22	TVHBTXE	G_043098	G_043098	TVH_S	150G028	150G028		150G028	-	-	-	LPT1:
29	-	1	23	TVHBTXE	G_043098	G_043098	TVH_S	150G029	150G029		150G029	-	-	-	LPT1:
30	-	1	24	TVHBTXE	G_043098	G_043098	TVH_S	150G030	150G030		150G030	-	-	-	LPT1:
31	-	1	25	TVHBTXE	G_043098	G_043098	TVH_S	150G031	150G031		150G031	-	-	-	LPT1:
32	-	1	26	TVHBTXE	G_043098	G_043098	TVH_S	150G032	150G032		150G032	-	-	-	LPT1:
33	-	1	7	TVHBTXE	G_043098	G_043098	TVH_S	150G033	150G033		150G033	-	-	-	LPT1:
34	-	1	27	TVHBTXE	G_043098	G_043098	TVH_S	150G034	150G034		150G034	-	-	-	LPT1:
35	-	1	28	TVHBTXE	G_043098	G_043098	TVH_S	150G035	150G035		150G035	-	-	-	LPT1:
36	-	1	29	TVHBTXE	G_043098	G_043098	TVH_S	150G036	150G036		150G036	-	-	-	LPT1:
37	-	1	30	TVHBTXE	G_043098	G_043098	TVH_S	150G037	150G037		150G037	-	-	-	LPT1:
38	-	1	31	TVHBTXE	G_043098	G_043098	TVH_S	150G038	150G038		150G038	-	-	-	LPT1:

Turbochrom Sequence File : G:\GC05\TVHBTXE\JUN01.SEQ
Created by : AMP on : 6/1/98 10:03 AM
Edited by : TEW on : 6/1/98 01:22 PM
cription : JULIAN DATE OF 152GH

Number of Times Edited : 1

Sequence File Header Information:

Number of Rows : 44
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	IB,41209,	152GH	B# 41209 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	CCV/LCS,QC71880	GAS	B# 41209 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	LCS,QC71881,98W	BTEX	B# 41209 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	CCV,98WS5870&98	BTXE	B# 41209 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	MB,QC71882,4120		B# 41209 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	MeOH BLANK,6-1-		B# 41209 S	5.000	1.000	1.000	25.000	1.000	1.000	0.000	100.000
7	Sample	BS,QC71883,98WS	GAS	B# 41209 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	BSD,QC71884,98W	GAS	B# 41209 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample	RR,MS,QC71860,9	GAS	B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	RR,MSD,QC71861,	GAS	B# 41201 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample	RR,D,133806-006		B# 41209 S	5.000	1.000	1.000	25.000	1.000	1.000	0.000	100.000
12	Sample	CCV,98WS5863,41	GAS	B# 41209 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample	CCV,98WS5870&98	BTXE/MTBE	B# 41209 S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

Sequence Process Information - Channel A

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	Out Dev
1	-	1	1	TVHBTXE	G_043098	G_043098	TVH_S	152G001	152G001		152G001	-	-	-	LPT1:
2	-	1	1	TVHBTXE	G_043098	G_043098	TVH_S	152G002	152G002		152G002	-	-	-	LPT1:
3	-	1	2	TVHBTXE	G_043098	G_043098	TVH_S	152G003	152G003		152G003	-	-	-	LPT1:
	-	1	3	TVHBTXE	G_043098	G_043098	TVH_S	152G004	152G004		152G004	-	-	-	LPT1:
5	-	1	3	TVHBTXE	G_043098	G_043098	TVH_S	152G005	152G005		152G005	-	-	-	LPT1:
6	-	1	3	TVHBTXE	G_043098	G_043098	TVH_S	152G006	152G006		152G006	-	-	-	LPT1:
7	-	1	4	TVHBTXE	G_043098	G_043098	TVH_S	152G007	152G007		152G007	-	-	-	LPT1:
8	-	1	5	TVHBTXE	G_043098	G_043098	TVH_S	152G008	152G008		152G008	-	-	-	LPT1:
9	-	1	6	TVHBTXE	G_043098	G_043098	TVH_S	152G009	152G009		152G009	-	-	-	LPT1:
10	-	1	8	TVHBTXE	G_043098	G_043098	TVH_S	152G010	152G010		152G010	-	-	-	LPT1:
11	-	1	9	TVHBTXE	G_043098	G_043098	TVH_S	152G011	152G011		152G011	-	-	-	LPT1:
12	-	1	10	TVHBTXE	G_043098	G_043098	TVH_S	152G012	152G012		152G012	-	-	-	LPT1:
13	-	1	11	TVHBTXE	G_043098	G_043098	TVH_S	152G013	152G013		152G013	-	-	-	LPT1:
14	-	1	11	TVHBTXE	G_043098	G_043098	TVH_S	152G014	152G014		152G014	-	-	-	LPT1:
15	-	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	152G015	152G015		152G015	-	-	-	LPT1:
16	-	1	12	TVHBTXE	G_043098	G_043098	TVH_S	152G016	152G016		152G016	-	-	-	LPT1:
17	-	1	12	TVHBTXE	G_043098	G_043098	TVH_S	152G017	152G017		152G017	-	-	-	LPT1:
18	-	1	13	TVHBTXE	G_043098	G_043098	TVH_S	152G018	152G018		152G018	-	-	-	LPT1:
19	-	1	13	TVHBTXE	G_043098	G_043098	TVH_S	152G019	152G019		152G019	-	-	-	LPT1:
20	-	1	14	TVHBTXE	G_043098	G_043098	TVH_S	152G020	152G020		152G020	-	-	-	LPT1:
21	-	1	15	TVHBTXE	G_043098	G_043098	TVH_S	152G021	152G021		152G021	-	-	-	LPT1:
22	-	1	15	TVHBTXE	G_043098	G_043098	TVH_S	152G022	152G022		152G022	-	-	-	LPT1:
23	-	1	16	TVHBTXE	G_043098	G_043098	TVH_S	152G023	152G023		152G023	-	-	-	LPT1:
24	-	1	17	TVHBTXE	G_043098	G_043098	TVH_S	152G024	152G024		152G024	-	-	-	LPT1:
25	-	1	18	TVHBTXE	G_043098	G_043098	TVH_S	152G025	152G025		152G025	-	-	-	LPT1:
26	-	1	19	TVHBTXE	G_043098	G_043098	TVH_S	152G026	152G026		152G026	-	-	-	LPT1:
27	-	1	20	TVHBTXE	G_043098	G_043098	TVH_S	152G027	152G027		152G027	-	-	-	LPT1:
28	-	1	21	TVHBTXE	G_043098	G_043098	TVH_S	152G028	152G028		152G028	-	-	-	LPT1:
29	-	1	22	TVHBTXE	G_043098	G_043098	TVH_S	152G029	152G029		152G029	-	-	-	LPT1:
30	-	1	23	TVHBTXE	G_043098	G_043098	TVH_S	152G030	152G030		152G030	-	-	-	LPT1:
31	-	1	24	TVHBTXE	G_043098	G_043098	TVH_S	152G031	152G031		152G031	-	-	-	LPT1:
32	-	1	25	TVHBTXE	G_043098	G_043098	TVH_S	152G032	152G032		152G032	-	-	-	LPT1:
33	-	1	26	TVHBTXE	G_043098	G_043098	TVH_S	152G033	152G033		152G033	-	-	-	LPT1:
34	-	1	7	TVHBTXE	G_043098	G_043098	TVH_S	152G034	152G034		152G034	-	-	-	LPT1:
35	-	1	27	TVHBTXE	G_043098	G_043098	TVH_S	152G035	152G035		152G035	-	-	-	LPT1:
36	-	1	28	TVHBTXE	G_043098	G_043098	TVH_S	152G036	152G036		152G036	-	-	-	LPT1:
37	-	1	29	TVHBTXE	G_043098	G_043098	TVH_S	152G037	152G037		152G037	-	-	-	LPT1:
38	-	1	30	TVHBTXE	G_043098	G_043098	TVH_S	152G038	152G038		152G038	-	-	-	LPT1:
39	-	1	31	TVHBTXE	G_043098	G_043098	TVH_S	152G039	152G039		152G039	-	-	-	LPT1:
	-	1	32	TVHBTXE	G_043098	G_043098	TVH_S	152G040	152G040		152G040	-	-	-	LPT1:
41	-	1	33	TVHBTXE	G_043098	G_043098	TVH_S	152G041	152G041		152G041	-	-	-	LPT1:
42	-	1	34	TVHBTXE	G_043098	G_043098	TVH_S	152G042	152G042		152G042	-	-	-	LPT1:
43	-	1	35	TVHBTXE	G_043098	G_043098	TVH_S	152G043	152G043		152G043	-	-	-	LPT1:
44	-	1	36	TVHBTXE	G_043098	G_043098	TVH_S	152G044	152G044		152G044	-	-	-	LPT1:

Curtis & Tompkins, Ltd. Sample Batch Report

Batch Number: 41201
Date Started: 30-MAY-98
Batched By : Troy E. Windsor

Analysis : N/A
Bgroup: : TVH
Department: GC Organics

Sample No.	Type		Client	Matrix	Analysis	Due Date
133704-002			CAL Inc.	Soil	BTXE	29-MAY-98
133704-002			CAL Inc.	Soil	TVH	29-MAY-98
133704-003			CAL Inc.	Soil	BTXE	29-MAY-98
133704-003			CAL Inc.	Soil	TVH	29-MAY-98
133704-006			CAL Inc.	Soil	BTXE	29-MAY-98
133704-006			CAL Inc.	Soil	TVH	29-MAY-98
133704-007			CAL Inc.	Soil	BTXE	29-MAY-98
133704-007			CAL Inc.	Soil	TVH	29-MAY-98
133704-008			CAL Inc.	Soil	BTXE	29-MAY-98
133704-008			CAL Inc.	Soil	TVH	29-MAY-98
133722-001			Burns & McDonnell	Soil	BTXE	29-MAY-98
133722-001			Burns & McDonnell	Soil	TVH	29-MAY-98
133722-003			Burns & McDonnell	Soil	BTXE	29-MAY-98
133722-003			Burns & McDonnell	Soil	TVH	29-MAY-98
133722-006			Burns & McDonnell	Soil	BTXE	29-MAY-98
133722-006			Burns & McDonnell	Soil	TVH	29-MAY-98
133722-007			Burns & McDonnell	Soil	BTXE	29-MAY-98
133722-007			Burns & McDonnell	Soil	TVH	29-MAY-98
133788-002			CAL Inc.	Soil	BTXE	01-JUN-98
133788-002			CAL Inc.	Soil	TVH	01-JUN-98
133788-003			CAL Inc.	Soil	BTXE	01-JUN-98
133788-003			CAL Inc.	Soil	TVH	01-JUN-98
133788-005			CAL Inc.	Soil	BTXE	01-JUN-98
133788-005			CAL Inc.	Soil	TVH	01-JUN-98
133788-006			CAL Inc.	Soil	BTXE	01-JUN-98
133788-006			CAL Inc.	Soil	TVH	01-JUN-98
133788-008			CAL Inc.	Soil	BTXE	01-JUN-98
133788-008			CAL Inc.	Soil	TVH	01-JUN-98
133788-009			CAL Inc.	Soil	BTXE	01-JUN-98
133788-009			CAL Inc.	Soil	TVH	01-JUN-98
133788-010			CAL Inc.	Soil	BTXE	01-JUN-98
133788-010			CAL Inc.	Soil	TVH	01-JUN-98
133806-004			Weiss Associates	Soil	BTXE	29-MAY-98
133806-004			Weiss Associates	Soil	TVH	29-MAY-98
133806-005			Weiss Associates	Soil	BTXE	29-MAY-98
133806-005			Weiss Associates	Soil	TVH	29-MAY-98
133806-006			Weiss Associates	Soil	BTXE	29-MAY-98
133806-006			Weiss Associates	Soil	TVH	29-MAY-98
133869-001			Burns & McDonnell	Soil	BTXE	01-JUN-98
133869-001			Burns & McDonnell	Soil	TVH	01-JUN-98
QC71857	LCS			Soil		
QC71858	LCS			Soil		
QC71859	MB			Soil		
QC71860	MS	of 133704-003		Soil		
QC71861	MSD	of 133704-003		Soil		

Analyst: TEW Date: 6-1-98 Sequence Name: MAY 30

Batch No.: 41201 File Prefix: 150 GHE Continued from Page: —

File No.	Stn. No	Sample Name	Wt/vol	pH	Comment	Std. NO.	Lims No. STD Name	Vial
1	2	CCV/LCS, QC71857	1g		PASS 536-98 1155	1	98WS5741	
2	3	CCV	↓		↓		DAILY SS 450	
3	4	LCS, QC71858				2	98WS5863	
4	5&6	CCV			↓		GAS 200 ppm	
5		MB, QC71859			ND	3	98WS5833	
6		BR, 133722-007	↓				STODDARD 200 ppm	
7		-006	500×			4	98WS5939	
8		-003	500×				BTEX 2nd 20 ppm	
9		-001	250×			5	98WS5870	
10		1B	1g		ND		BTXE 20 ppm	
11		133869-001				6	98WS5881	
12		1B			ND		B 8th MTBE 20 ppm	
13		133704-002						
14		MSS, 133704-003						
15	2	MS, QC71860			PASS suspect bad Purge	3 Rerun		
16	2	MSD, QC71861			RPD fails	MS/MSD		
17	2	CCV						
18	3	CCV						
19	5&6	CCV			↓			
20		1B			ND			
21		133704-006						
22		-007						
23		-008						
24		133788-002						
25		-003						
26		-005						
27		-006						
28		-008						
29		-009						
30		-010						
31	2	CCV			PASS			
32	5&6	CCV			↓			
33		1B			ND			
34		133906-004					Ical on page(s)	
35		-005					43494	
36		-006			BTXE=C.R.		of BK0901 & page	
37	2	CCV			PASS		8 of BK0949	
38	5&6	CCV	↓		↓ 5-31-98 1710		All runs rec'd Std. #1	

Continued on Page: —

Signed: [signature] Date: 6-1-98

Read and Understood by: [signature] Date: 6/1/98

Curtis & Tompkins GC05 Run Log Notebook BK0949

Analyst: TEW Date: 6-2-98 Sequence Name: JUN01

Batch No.: 41204 & MS/MSD rerun B# 41201 File Prefix: 152 GHE Continued from Page: —

File No.	Stn. No	Sample Name	Wt/vol	pH	Comment	Std. NO.	Lims No. STD Name	Vial
1		IB	1g		ND 6-1-98 1021	1	98WS5747	
2	2	CCV/LCS,QC71880			PASS		DAILY SS 450	
3	3	LCS,QC71881				2	98WS5863	
4	4&5	CCV			↓		GAS 2000 ppm	
5		MB,QC71882	↓		ND	3	98WS5939	
6		MeOH Blank 6-1-98	25x		ND		BTEX 2nd 20ppm	
7	2	BS,QC71883	1g		PASS	4	98WS5870	
8	2	BSD,QC71884					BTXE 20 ppm	
9	2	RR,MS,QC71860				5	98WS5881	
10	2	RR,MSD,QC71861	↓		↓		MTBE 20ppm	
11		RR,133806-006	25x					
12	2	CCV	1g		PASS			
13	4&5	CCV	1g		↓ 6-1-98 1802			

TEW 6-2-98

Ical on page(s) 43 & 44 of BK 0901 & page 8 of BK0949

All runs rec'd Std. #1

Continued on Page: —

Signed [signature] Date 6-2-98

Read and Understood by Signed [signature] Date 6/2/98

TVH-Total Volatile Hydrocarbons

Client: CAL Inc.
Project#: 2809
Location: Camp Parks

Analysis Method: EPA 8015M
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
133788-011	W-14-B3	41065	05/19/98	05/26/98	05/26/98	

Matrix: Water

Analyte	Units	133788-011
Diln Fac:		1
Gasoline C7-C12	ug/L	<50
Surrogate		
Trifluorotoluene	%REC	109
Bromofluorobenzene	%REC	102

BTXE

Client: CAL Inc.
Project#: 2809
Location: Camp Parks

Analysis Method: EPA 8020A
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
133788-011	W-14-B3	41132	05/19/98	05/29/98	05/29/98	

Matrix: Water

Analyte	Units	133788-011
Diln Fac:		1
MTBE	ug/L	<2
Benzene	ug/L	<0.5
Toluene	ug/L	<0.5
Ethylbenzene	ug/L	<0.5
m,p-Xylenes	ug/L	<0.5
o-Xylene	ug/L	<0.5
Surrogate		
Trifluorotoluene	%REC	87
Bromofluorobenzene	%REC	86

TVH-Total Volatile Hydrocarbons

Client:	CAL Inc.	Analysis Method:	EPA 8015M
Project#:	2809	Prep Method:	EPA 5030
Location:	Camp Parks		

METHOD BLANK

Matrix:	Water	Prep Date:	05/26/98
Batch#:	41065	Analysis Date:	05/26/98
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC71356

Analyte	Result
Gasoline C7-C12	<50

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	110	65-135
Bromofluorobenzene	104	65-135

BTXE

Client: CAL Inc.	Analysis Method: EPA 8020A
Project#: 2809	Prep Method: EPA 5030
Location: Camp Parks	

METHOD BLANK

Matrix: Water	Prep Date: 05/28/98
Batch#: 41132	Analysis Date: 05/28/98
Units: ug/L	
Diln Fac: 1	

MB Lab ID: QC71591

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	80	65-135
Bromofluorobenzene	77	65-135

TVH-Total Volatile Hydrocarbons

Client:	CAL Inc.	Analysis Method:	EPA 8015M
Project#:	2809	Prep Method:	EPA 5030
Location:	Camp Parks		

LABORATORY CONTROL SAMPLE

Matrix:	Water	Prep Date:	05/26/98
Batch#:	41065	Analysis Date:	05/26/98
Units:	ug/L		
Diln Fac:	1		

LCS Lab ID: QC71355

Analyte	Result	Spike Added	%Rec #	Limits
Gasoline C7-C12	1944	2000	97	65-135

Surrogate	%Rec	Limits
Trifluorotoluene	142*	65-135
Bromofluorobenzene	107	65-135

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

BTXE

Client: CAL Inc.
Project#: 2809
Location: Camp Parks

Analysis Method: EPA 8020A
Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 41132
Units: ug/L
Diln Fac: 1

Prep Date: 05/28/98
Analysis Date: 05/28/98

BS Lab ID: QC71592

Analyte	Spike Added	BS	%Rec #	Limits
MTBE	20	18.16	91	65-135
Benzene	20	17.07	85	65-135
Toluene	20	18.41	92	65-135
Ethylbenzene	20	18.01	90	65-135
m,p-Xylenes	20	19.46	97	65-135
o-Xylene	20	18.76	94	65-135

Surrogate	%Rec	Limits
Trifluorotoluene	83	65-135
Bromofluorobenzene	81	65-135

BSD Lab ID: QC71593

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
MTBE	20	18.96	95	65-135	4	20
Benzene	20	17.94	90	65-135	5	20
Toluene	20	18.84	94	65-135	2	20
Ethylbenzene	20	18.74	94	65-135	4	20
m,p-Xylenes	20	20.34	102	65-135	4	20
o-Xylene	20	19.63	98	65-135	5	20

Surrogate	%Rec	Limits
Trifluorotoluene	84	65-135
Bromofluorobenzene	83	65-135

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

TVH-Total Volatile Hydrocarbons

Client:	CAL Inc.	Analysis Method:	EPA 8015M
Project#:	2809	Prep Method:	EPA 5030
Location:	Camp Parks		

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID:	W-14-B3	Sample Date:	05/19/98
Lab ID:	133788-011	Received Date:	05/20/98
Matrix:	Water	Prep Date:	05/26/98
Batch#:	41065	Analysis Date:	05/26/98
Units:	ug/L		
Diln Fac:	1		

MS Lab ID: QC71359

Analyte	Spike Added	Sample	MS	%Rec #	Limits
Gasoline C7-C12	2000	<50	2175	109	65-135

Surrogate	%Rec	Limits
Trifluorotoluene	148*	65-135
Bromofluorobenzene	114	65-135

MSD Lab ID: QC71360

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
Gasoline C7-C12	2000	2156	108	65-135	1	20

Surrogate	%Rec	Limits
Trifluorotoluene	150*	65-135
Bromofluorobenzene	116	65-135

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

PATH AND FILENAME OF SUMMARY FILE
G:\GC05\DATA\TVHICALC.CSV

File Name	Sample Name	ng	gas:7-12 Area [µV·s]	gas:7-12 SURROGATES Area [µV·s]	ADJUSTED AREA Area [µV·s]	CAL FACTOR [µV·s / NG]
120G005.	GAS 1,250ng,98WS	250	2344647.12	1933409.74	411237.38	1644.9495
120G006.	GAS 2,500ng,98WS	500	2654805.22	1942763.32	712041.90	1424.0838
120G007.	GAS 3,1000ng,98W	1000	3371774.77	2011419.22	1360355.55	1360.3556
120G008.	GAS 4,2500ng,98W	2500	5434798.13	2143446.30	3291351.83	1316.5407
120G009.	GAS 5,5000ng,98W	5000	9283455.63	2182838.46	7100617.17	1420.1234
120G010.	GAS 6,10000ng,98	10000	16997505.07	2405395.44	14592109.63	1459.2110
120G011.	GAS 7,15000ng,98	15000	25804585.04	2654543.32	23150041.72	1543.3361
120G012.	GAS 8,25000ng,98	25000	39358626.04	3067802.69	36290823.35	1451.6329
120G013.	GAS 9,50000ng,98	50000	75274531.79	4246624.18	71027907.61	1420.5582

Average Calibration Factor	1448.9768
%RSD	6.7
QC STATUS > (LIMITS: RSD < 20.5 %)	PASS

047

********** TVH ICAL Summary Report **********

File Name	Sample Name	Study	Date of Injection	GAS:7-12 Area (µV·s)	GAS:7-12 SURROGATES Area (µV·s)
[illegible]005.	GAS 1,250ng,98WS	TVH I	4/30/98	2344647.1164	1933409.7376
120G006.	GAS 2,500ng,98WS	TVH I	4/30/98	2654805.2175	1942763.3161
120G007.	GAS 3,1000ng,98W	TVH I	4/30/98	3371774.7724	2011419.2190
120G008.	GAS 4,2500ng,98W	TVH I	4/30/98	5434798.1279	2143446.2958
120G009.	GAS 5,5000ng,98W	TVH I	4/30/98	9283455.6337	2182838.4605
120G010.	GAS 6,10000ng,98	TVH I	4/30/98	16997505.0667	2405395.4400
120G011.	GAS 7,15000ng,98	TVH I	4/30/98	25804585.0434	2654543.3222
120G012.	GAS 8,25000ng,98	TVH I	4/30/98	39358626.0372	3067802.6862
120G013.	GAS 9,50000ng,98	TVH I	4/30/98	75274531.7907	4246624.1784

ASCII File Created Successfully - Stored in: G:\GC05\DATA\TVHICALC.csv

Turbochrom Method File : G:\GC05\METHODS\G_043098.MTH
Created by : AMP on : 5/1/98 12:36 PM
Edited by : TEW on : 5/1/98 01:01 PM
Description :
GC05 TVH 'G' DATA FILE
Gas ICAL Date: 043098 from APR30.SEQ
JP4 ICAL Date: 022698 from FEB27CAL.SEQ
TFT/BFB Surrogates ICAL Date: 022698 from FEB27CAL.SEQ

Number of Times Edited : 1
Number of Times Calibrated : 31

Instrument Conditions :

Capillary GC	-GC05_TVHBTXE
Instrument	:HP-5890
Column	:DB-624
Column Length	:30m
Carrier Gas	:He
Flow Rate	:5 mls/min
Split Ratio	:NA
Temperature	:40 - 225
Injection Temp.	:200
Detector 1	:FID
Detector 2	:PID
Notes	:FOR TVH ANALYSIS

Instrument Control Method:
Instrument name : GC05_TVHBTXE

Interface Parameters :

Delay Time	: 0.00 min.
Run Time	: 26.80 min.
Sampling Rate	: 1.0000 pts/s
Interface Type	: 900
Analog Voltage Input	: 10000 mV
Data will be collected from channel	~~B~~ A

JGW

Timed Events:
There are no timed events in the method

Real Time Plot Parameters :

Channel A -- Pages:	1	Offset: 0.000 mV	Scale: 1000.000 mV
Channel B -- Pages:	1	Offset: 1.000 mV	Scale: 250.000 mV

Processing Parameters :

Bunch Factor	: 1 points
Noise Threshold	: 30 µV
Area Threshold	: 150.00 µV

Peak Separation Criteria

Width Ratio	: 0.200
Valley-to-Peak Ratio	: 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
Event #1 - +CB at 0.500

Annotated Replot Parameters :
Offset will be autozeroed
Plot Scale : 250.000 mV

Number of Pages : 1
Plot Title : GC05 'H' File TVH
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Top of Plot
Component Labels : Actual Time
Automatically set plot start and end times to data limits

Report Format files :
Report Format file #1 : G:\GC05\TVHBTXE\SURR.RPT

User Programs :
No user programs will be executed

Global Information :
Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :
TRIFLUOROTOLUENE
Component Type : Single Peak Component
Retention Time : 6.171 min Search Window: 1.80 s, 2.00 %
Reference Component:
Find peak closest to expected RT in window
Quantitation will be done using response factor = 2434.755284 Factor from G_022698.MTH
JEQN

GAS:7-12 SURROGATES
Component Type : Named Group
Group Members:
TRIFLUOROTOLUENE
BROMOFLUOROBENZENE

Quantitation will use calibration reference : GAS:7-12

JP4:7-12 SURROGATES
Component Type : Named Group
Group Members:

TRIFLUOROTOLUENE
BROMOFLUOROBENZENE

Quantitation will use calibration reference : JP4:7-12

JP4:7-12
Component Type : Timed Group
Start Time : 4.949 min End Time : 21.810 min
Reference Component:
Quantitation will be done using response factor = 1935.715300 Factor from G_022698.MT

GAS:7-12
Component Type : Timed Group
Start Time : 4.949 min End Time : 21.810 min
Reference Component:
Quantitation will be done using response factor = 1448.976800

BROMOFLUOROBENZENE
Component Type : Single Peak Component
Retention Time : 14.025 min Search Window: 1.80 s, 2.00 %
Reference Component:
Find peak closest to expected RT in window
Quantitation will be done using response factor = 1477.957673 Factor from G_022698.MT

Calibration Replicate Lists:
Component: TRIFLUOROTOLUENE
Level : TFT/BFB 1
This level has no replicate injections

Level : TFT/BFB 2
This level has no replicate injections

Level : TFT/BFB 3
This level has no replicate injections

Level : TFT/BFB 4
This level has no replicate injections

Level : TFT/BFB 5
This level has no replicate injections

Component: GAS:7-12 SURROGATES
Level : TFT/BFB 1
This level has no replicate injections

Level : TFT/BFB 2
This level has no replicate injections

Level : GAS 1
This level has no replicate injections

Level : JP4 1
This level has no replicate injections

Turbochrom Method File : G:\GC05\METHODS\H_051898.MTH
Created by : AMP on : 5/19/98 11:51 AM
Edited by : TEW on : 5/19/98 02:35 PM
Description :
CALIBRATION METHOD FOR " H " DATA FILE
BTXE ICAL DATE:18MAY98 from MAY18.SEQ
SURROGATE ICAL DATE:26FEB98 from FEB27CAL.SEQ

Number of Times Edited : 1
Number of Times Calibrated : 9

Instrument Conditions :

Capillary GC	-GC05_TVHBTXE
Instrument	:HP-5890
Column	:DB-624
Column Length	:30m
Carrier Gas	:He
Flow Rate	:5 mls/min
Split Ratio	:NA
Temperature	:40 - 225
Injection Temp.	:200
Detector 1	:FID
Detector 2	:PID
Notes	:FOR BTXE ANALYSIS

Instrument Control Method:
Instrument name : GC05_TVHBTXE

Interface Parameters :

Delay Time	: 0.00 min.
Run Time	: 26.80 min.
Sampling Rate	: 1.0000 pts/s
Interface Type	: 900
Analog Voltage Input	: 10000 mV

Data will be collected from channel ~~A~~ / B JGW

Timed Events:
There are no timed events in the method

Real Time Plot Parameters :

Channel A -- Pages:	1	Offset: 0.000 mV	Scale: 250.000 mV
Channel B -- Pages:	1	Offset: 0.000 mV	Scale: 1000.000 mV

Processing Parameters :

Bunch Factor	: 1 points
Noise Threshold	: 5 µV
Area Threshold	: 25.00 µV

Peak Separation Criteria

Width Ratio	: 0.200
Valley-to-Peak Ratio	: 0.010

Exponential Skim Criteria

Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

eline Timed Events :
No baseline timed events

Annotated Replot Parameters :
Offset will be autozeroed
Plot Scale : 250.000 mV

Number of Pages : 1
Plot Title : GC05 'G' File PID BTXE Quant
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Top of Plot
Component Labels : Actual Time
Automatically set plot start and end times to data limits

Report Format files :
No report format files given

User Programs :
No user programs will be executed

bal Information :
Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :
MTBE
Component Type : Single Peak Component
Retention Time : 2.252 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : MTBE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 2	5.0000	3115.71	534.30	----------	----------	1
BTXE 3	12.5000	6174.38	1135.00	----------	----------	1
BTXE 4	50.0000	27624.86	4811.23	----------	----------	1
BTXE 5	100.0000	56536.88	10365.83	----------	----------	1
BTXE 6	250.0000	157595.46	27959.08	----------	----------	1

BTXE 7	500.0000	[illegible]	[illegible]	----------	----------	1
BTXE 8	750.0000	[illegible]142.90	54354.61	----------	----------	1
BTXE 9	1000.0000	682196.71	117671.14	----------	----------	1

Average Calibration Factor = 598.725363 (%RSD = 9.31)

BENZENE

Component Type : Single Peak Component
Retention Time : 4.391 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : BENZENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	8850.00	1106.07	----------	----------	1
BTXE 2	5.0000	12115.00	1593.78	----------	----------	1
BTXE 3	12.5000	30785.00	4262.47	----------	----------	1
BTXE 4	50.0000	142740.00	20305.60	----------	----------	1
BTXE 5	100.0000	299100.00	43119.51	----------	----------	1
BTXE 6	250.0000	737920.00	107362.03	----------	----------	1
BTXE 7	500.0000	1471330.00	215549.36	----------	----------	1
BTXE 8	750.0000	2301690.00	336898.35	----------	----------	1
BTXE 9	1000.0000	2431310.00	357408.59	----------	----------	1

Average Calibration Factor = 2851.796667 (%RSD = 12.83)

TRIFLUOROTOLUENE

Component Type : Single Peak Component
Retention Time : 6.179 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : TFT
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
TFT/BFB 1	150.0000	231135.00	0.00	----------	----------	0
TFT/BFB 2	225.0000	373640.00	0.00	----------	----------	0
TFT/BFB 3	450.0000	713040.00	0.00	----------	----------	0
TFT/BFB 4	675.0000	974730.00	0.00	----------	----------	0
TFT/BFB 5	950.0000	1577440.00	0.00	----------	----------	0

Average Calibration Factor = 1578.112632 (%RSD = 5.75)

TOLUENE

Component Type : Single Peak Component
Retention Time : 8.054 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)

User Values:
Label : TOLUENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	6970.00	922.50	----------	----------	1
BTXE 2	5.0000	11190.00	1413.22	----------	----------	1
BTXE 3	12.5000	27625.00	3740.89	----------	----------	1
BTXE 4	[illegible]	[illegible]	17690.77	[illegible]	[illegible]	[illegible]
BTXE 5	[illegible]	272235.00	37823.84	----------	----------	1
BTXE 6	250.0000	674560.00	95185.27	----------	----------	1
BTXE 7	500.0000	1340580.00	189525.50	----------	----------	1
BTXE 8	750.0000	2074075.00	296163.88	----------	----------	1
BTXE 9	1000.0000	2205740.00	315175.10	----------	----------	1

Average Calibration Factor = 2540.324815 (%RSD = 9.87)

ETHYLBENZENE
Component Type : Single Peak Component
Retention Time : 11.529 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : ETHYLBENZENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	6450.69	760.04	----------	----------	1
BTXE 2	5.0000	9320.36	1126.08	----------	----------	1
BTXE 3	12.5000	23319.84	3090.01	----------	----------	1
BTXE 4	50.0000	104635.34	14780.67	----------	----------	1
BTXE 5	100.0000	221142.53	31764.00	----------	----------	1
BTXE 6	250.0000	549762.43	81021.19	----------	----------	1
BTXE 7	500.0000	1094187.03	160721.81	----------	----------	1
BTXE 8	750.0000	1711481.62	251981.04	----------	----------	1
BTXE 9	1000.0000	1819600.80	268192.23	----------	----------	1

Average Calibration Factor = 2122.562777 (%RSD = 11.52)

m,p-XYLENE
Component Type : Single Peak Component
Retention Time : 11.835 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : m,p-XYLENE
Value 1: 100.000000
Value 2: 200.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt	# Replicates
BTXE 1	5.0000	[illegible]	1436.19	----------	----------	1
BTXE 2	10.0000	20729.64	2513.93	----------	----------	1
BTXE 3	25.0000	51980.16	7052.64	----------	----------	1
BTXE 4	100.0000	257104.66	34113.57	----------	----------	1
BTXE 5	200.0000	539177.47	72779.33	----------	----------	1
BTXE 6	500.0000	1333827.57	181627.08	----------	----------	1
BTXE 7	1000.0000	2634372.97	366385.55	----------	----------	1
BTXE 8	1500.0000	4082048.38	570734.03	----------	----------	1
BTXE 9	2000.0000	4354229.20	610070.42	----------	----------	1

Average Calibration Factor = 2484.275093 (%RSD = 10.34)

o-XYLENE

Component Type : Single Peak Component
Retention Time : 12.753 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : o-XYLENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	5250.00	697.55	----------	----------	1
BTXE 2	5.0000	7980.00	1060.27	----------	----------	1
BTXE 3	12.5000	22570.00	2958.47	----------	----------	1
BTXE 4	50.0000	104720.00	14376.70	----------	----------	1
BTXE 5	100.0000	218800.00	30615.54	----------	----------	1
BTXE 6	250.0000	549080.00	77890.11	----------	----------	1
BTXE 7	500.0000	1092980.00	155337.75	----------	----------	1
BTXE 8	750.0000	1697380.00	241570.74	----------	----------	1
BTXE 9	1000.0000	1852050.00	264486.10	----------	----------	1

Average Calibration Factor = 2031.278148 (%RSD = 11.15)

BROMOFLUOROBENZENE

Component Type : Single Peak Component
Retention Time : 14.035 min Search Window: 2.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : BFB
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
TFT/BFB 1	150.0000	436180.00	0.00	----------	----------	0
TFT/BFB 2	225.0000	706050.00	0.00	----------	----------	0
TFT/BFB 3	450.0000	1417452.36	0.00	----------	----------	0
TFT/BFB 4	675.0000	1953946.94	0.00	----------	----------	0
TFT/BFB 5	950.0000	3147680.00	0.00	----------	----------	0

Average Calibration Factor = 3080.768875 (%RSD = 5.78)

Turbochrom Method File : G:\GC05\METHODS\E_051898.MTH <Modified>
Created by : AMP on : 5/19/98 12:04 PM
Edited by : TEW on : 5/19/98 02:39 PM
Description :
BTXE ICAL DATE: 18MAY98 from MAY18.SEQ
SURROGATES ICAL DATE: 26FEB98 from FEB27CAL.SEQ

Number of Times Edited : 3
Number of Times Calibrated : 8

Instrument Conditions :

Capillary GC	-GC05_BTXE
Instrument	:HP-5890
Column	:DB-624
Column Length	:30m
Carrier Gas	:He
Flow Rate	:5 mls/min
Split Ratio	:NA
Temperature	:40 - 225
Injection Temp.	:200
Detector 1	:FID
Detector 2	:PID
Notes	:FOR BTXE ANALYSIS

Instrument Control Method:
Instrument name : GC05_BTXE

Interface Parameters :

Delay Time	: 0.00 min.
Run Time	: 26.80 min.
Sampling Rate	: 1.0000 pts/s
Interface Type	: 900
Analog Voltage Input	: 10000 mV

Data will be collected from channel A

Timed Events:
There are no timed events in the method

Real Time Plot Parameters :

Channel A -- Pages:	1	Offset: 0.000 mV	Scale: 250.000 mV
Channel B -- Pages:	1	Offset: 0.000 mV	Scale: 1000.000 mV

Processing Parameters :

Bunch Factor	: 1 points
Noise Threshold	: 5 µV
Area Threshold	: 25.00 µV

Peak Separation Criteria

Width Ratio	: 0.200
Valley-to-Peak Ratio	: 0.010

Exponential Skim Criteria

Peak Height Ratio	: 5.000

Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
No baseline timed events

Annotated Replot Parameters :
Offset will be autozeroed
Plot Scale : 250.000 mV

Number of Pages : 1
Plot Title : GC05 'E' File BTXE PID CONFIRM
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Top of Plot
Component Labels : Actual Time
Automatically set plot start and end times to data limits

Report Format files :
No report format files given

User Programs :
No user programs will be executed

Global Information :
Default Sample Volume : 1.000 ul
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :
MTBE
Component Type : Single Peak Component
Retention Time : 2.135 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : MTBE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 3	12.5000	28620.00	4974.92	----------	----------	1
BTXE 4	50.0000	86860.00	15874.55	----------	----------	1
BTXE 5	100.0000	155100.00	31332.30	----------	----------	1
BTXE 6	250.0000	406810.00	85855.05	----------	----------	1
BTXE 7	500.0000	874450.00	183242.70	----------	----------	1
BTXE 8	750.0000	1257490.00	267234.09	----------	----------	1
BTXE 9	1000.0000	1760040.00	373599.17	----------	----------	1

Average Calibration Factor = 1770.[illegible]0476 (%RSD = 13.62)

BENZENE

Component Type : Single Peak Component
Retention Time : 3.740 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : BENZENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	16630.00	2768.61	----------	----------	1
BTXE 3	12.5000	69910.00	11734.89	----------	----------	1
BTXE 4	50.0000	372572.50	60765.01	----------	----------	1
BTXE 5	100.0000	819200.00	135068.22	----------	----------	1
BTXE 6	250.0000	2118535.00	349688.69	----------	----------	1
BTXE 7	500.0000	4379278.12	720149.62	----------	----------	1
BTXE 8	750.0000	6921520.00	1.14e+06	----------	----------	1
BTXE 9	1000.0000	7318940.00	1.21e+06	----------	----------	1

Average Calibration Factor = 7708.572446 (%RSD = 15.54)

TRIFLUOROTOLUENE

Component Type : Single Peak Component
Retention Time : 5.196 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : TFT
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
TFT/BFB 1	150.0000	411676.67	0.00	----------	----------	0
TFT/BFB 2	225.0000	689147.91	0.00	----------	----------	0
TFT/BFB 3	450.0000	1387344.29	0.00	----------	----------	0
TFT/BFB 4	675.0000	1922224.00	0.00	----------	----------	0
TFT/BFB 5	950.0000	3104187.57	0.00	----------	----------	0

Average Calibration Factor = 3001.136633 (%RSD = 6.89)

TOLUENE

Component Type : Single Peak Component
Retention Time : 7.253 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : TOLUENE
Value 1: 100.000000

Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	14010.00	2073.23	----------	----------	1
BTXE 3	12.5000	62850.00	8908.23	----------	----------	1
BTXE 4	50.0000	312250.00	45925.70	----------	----------	1
BTXE 5	100.0000	706200.00	104256.70	----------	----------	1
BTXE 6	250.0000	1861455.00	276201.94	----------	----------	1
BTXE 7	500.0000	3841420.00	566310.97	----------	----------	1
BTXE 8	750.0000	6102790.00	897870.77	----------	----------	1
BTXE 9	1000.0000	6468685.00	955035.28	----------	----------	1

Average Calibration Factor = 6709.174792 (%RSD = 15.91)

ETHYLBENZENE

Component Type : Single Peak Component
Retention Time : 10.757 min Search Window: 1.80 s, 2.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : ETHYLBENZENE
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	11192.86	1501.49	----------	----------	1
BTXE 3	12.5000	48245.81	7016.47	----------	----------	1
BTXE 4	50.0000	265529.55	38260.16	----------	----------	1
BTXE 5	100.0000	597059.10	87743.29	----------	----------	1
BTXE 6	250.0000	1593444.41	234804.67	----------	----------	1
BTXE 7	500.0000	3267014.93	479243.17	----------	----------	1
BTXE 8	750.0000	5185467.97	758584.37	----------	----------	1
BTXE 9	1000.0000	5492228.59	807760.76	----------	----------	1

Average Calibration Factor = 5616.497914 (%RSD = 18.70)

m,p-XYLENE

Component Type : Single Peak Component
Retention Time : 11.094 min Search Window: 1.80 s, 2.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : m,p-XYLENE
Value 1: 100.000000
Value 2: 200.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	5.0000	30367.95	3454.87	----------	----------	1
BTXE 3	25.0000	119669.19	15358.22	----------	----------	1
BTXE 4	100.0000	674100.45	84081.64	----------	----------	1
BTXE 5	200.0000	1500430.90	188421.72	----------	----------	1
BTXE 6	500.0000	3907105.59	492797.01	----------	----------	1

BTXE 7	1000.0000	7927155.07	1.00e+06	----------	----------	1
BTXE 8	1500.0000	12447017.03	1.59e+06	----------	----------	1
BTXE 9	2000.0000	13332921.41	1.70e+06	----------	----------	1

Average Calibration Factor = 6976.169257 (%RSD = 16.60)

o-XYLENE

Component Type : Single Peak Component
Retention Time : 11.889 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : [illegible]
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
BTXE 1	2.5000	10580.00	1493.32	----------	----------	1
BTXE 3	12.5000	48200.00	6913.84	----------	----------	1
BTXE 4	50.0000	256380.00	37020.24	----------	----------	1
BTXE 5	100.0000	568800.00	83135.49	----------	----------	1
BTXE 6	250.0000	1533890.00	221988.98	----------	----------	1
BTXE 7	500.0000	3146615.00	453219.43	----------	----------	1
BTXE 8	750.0000	4945965.00	714798.42	----------	----------	1

Average Calibration Factor = 5418.144286 (%RSD = 19.46)

BROMOFLUOROBENZENE

Component Type : Single Peak Component
Retention Time : 12.737 min Search Window: 1.80 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label : BFB
Value 1: 450.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
TFT/BFB 1	150.0000	819295.00	0.00	----------	----------	0
TFT/BFB 2	225.0000	1367580.00	0.00	----------	----------	0
TFT/BFB 3	450.0000	2844310.00	0.00	----------	----------	0
TFT/BFB 4	675.0000	3968560.00	0.00	----------	----------	0
TFT/BFB 5	950.0000	6522876.62	0.00	----------	----------	0

Average Calibration Factor = 6121.264591 (%RSD = 8.53)

Calibration Replicate Lists:
[illegible]mponent: MTBE
Level : BTXE 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
28620.00	4974.92	12.5000	----------	----------	5/19/98 01:56 PM	138E020.

TOTAL VOLATILE HYDROCARBON CALIBRATION VERIFICATION SUMMARY

Instrument ID:	GC05	Matrix :	Water
Sequence ID:	May26	Batch Number:	41065
ICAL Date:	30-Apr-98	LIMS STANDARD ID:	98WS5863

ANALYTE	FILENAME	DATE ANALYZED	CALC AMOUNT ug/L	NOM AMOUNT ug/L	%D	CCV STAT	TFT REC. %	BFB REC. %	SURR. STATUS
GASOLINE	146G002	26-May-98	1944.08	2000	3	PASS	142	107	PASS
GASOLINE	146G015	26-May-98	1973.65	2000	1	PASS	141	109	PASS
GASOLINE	146G029	27-May-98	2020.02	2000	1	PASS	146	112	PASS
GASOLINE	146G034	27-May-98	2144.36	2000	7	PASS	147	110	PASS

QC LIMITS: CCV = %D of amounts must be less than or equal to 15%

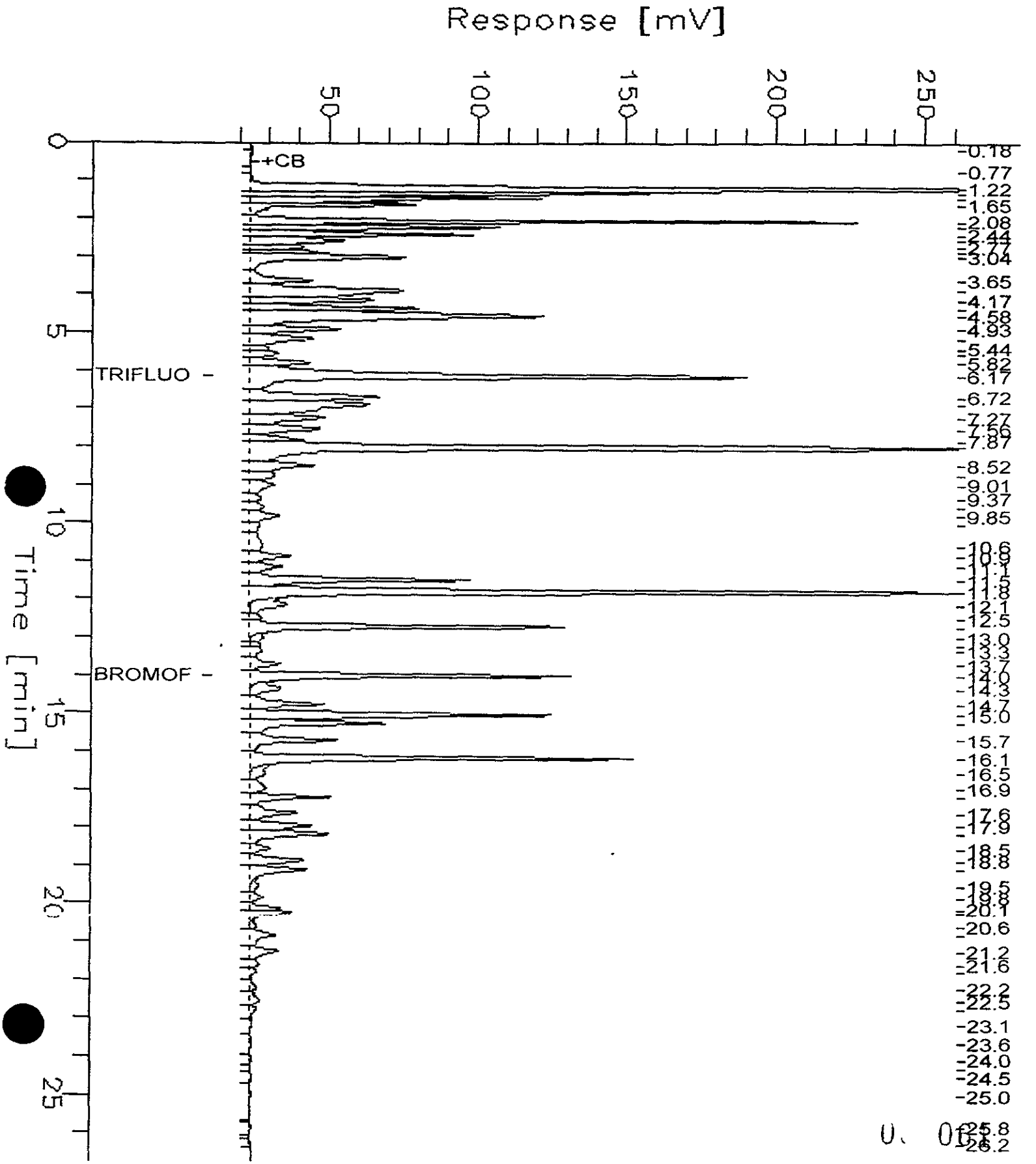
Surrogate Recovery Limits = 59 - 162%

COMMENTS: _____

GC05 'H' File TVH

Sample Name : CCV/LCS,QC71355,98WS5863,41065,
FileName : G.\GC05\DATA\146G002.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: -1.0 Plot Offset: 11 mV

Sample #: GAS Page 1 of 1
Date : 5/26/98 10:03 AM
Time of Injection: 5/26/98 09:36 AM
Low Point : 11.16 mV High Point : 261.16 mV
Plot Scale: 250.0 mV



BTXE CALIBRATION VERIFICATION SUMMARY

Instrument ID: GC05 Matrix : Water

Sequence ID: May28 Batch Number: 41132

ICAL Date: 18-May-98 LIMS STANDARD ID: 98WS5870 & 98WS5881

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00	19.94	0	PASS
BENZENE	20.00	20.24	1	PASS
TOLUENE	20.00	20.53	3	PASS
ETHYLBENZENE	20.00	20.21	1	PASS
m,p-XYLENE	40.00	42.89	7	PASS
o-XYLENE	20.00	21.25	6	PASS

FILENAME: 148H004
INJECTION DATE: May28

TFT REC. %	BFB REC. %	SURR STAT
84	82	PASS

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00	20.35	2	PASS
BENZENE	20.00	18.31	8	PASS
TOLUENE	20.00	18.90	6	PASS
ETHYLBENZENE	20.00	18.61	7	PASS
m,p-XYLENE	40.00	39.33	2	PASS
o-XYLENE	20.00	19.60	2	PASS

FILENAME: 148H019
INJECTION DATE: May28

TFT REC. %	BFB REC. %	SURR STAT
85	83	PASS

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00	18.45	8	PASS
BENZENE	20.00	19.18	4	PASS
TOLUENE	20.00	20.97	5	PASS
ETHYLBENZENE	20.00	18.31	8	PASS
m,p-XYLENE	40.00	40.58	1	PASS
o-XYLENE	20.00	19.85	1	PASS

FILENAME: 148H031
INJECTION DATE: May29

TFT REC. %	BFB REC. %	SURR STAT
75	76	PASS

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00	19.82	1	PASS
BENZENE	20.00	17.03	15	PASS
TOLUENE	20.00	18.39	8	PASS
ETHYLBENZENE	20.00	16.38	18	FAIL
m,p-XYLENE	40.00	36.67	8	PASS
o-XYLENE	20.00	18.10	9	PASS

FILENAME: 148H038
INJECTION DATE: May29

TFT REC. %	BFB REC. %	SURR STAT
78	81	PASS

QC LIMITS: CCV = %D of BTXE amounts must be less than or equal to 15% , 20% for MTBE
Surrogate Recovery Limits = TFT 53 - 124% and BFB 41 - 142%

Turbochrom Sequence File : G:\GC05\TVHBTXE\MAY26.SEQ
Created by : AMP on : 5/26/98 08:43 AM
Edited by : TEW on : 5/26/98 02:19 PM
cription : JULIAN DATE OF 146GH

Number of Times Edited : 2

Sequence File Header Information:

Number of Rows : 44
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	IB,41065,	146GH	B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	CCV/LCS,QC71355	GAS	B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	CCV,98WS5833,41	STODDARD	B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	CCV,98WS5870&98	BTXE/MTBE	B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	MB,QC71356,4106		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	BS,QC71357,98WS	BTEX	B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample	BSD,QC71358,98W	BTEX	B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	RR,D,133724-001		B# 41065 W	5.000	1.000	1.000	500.000	1.000	1.000	0.000	100.000
9	Sample	IB,41065,		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	S,133704-012,41		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample	S,133791-001,41		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample	S,133794-001,41		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample	S,133794-002,41		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample	MSS,133788-011,		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample	CCV,98WS5863,41	GAS	B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	CCV,98WS5833,41	STODDARD	B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
	Sample	CCV,98WS5870&98	BTXE/MTBE	B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
	Sample	MS,QC71359,98WS	GAS	B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
	Sample	MSD,QC71360,98W	GAS	B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample	S,133754-004,41		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample	S,133754-006,41		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Sample	S,133754-012,41		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample	S,133647-002,41		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample	S,133647-003,41		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	S,133647-004,41		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample	S,133647-005,41		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample	D,133647-001,41		B# 41065 W	5.000	1.000	1.000	5.000	1.000	1.000	0.000	100.000
28	Sample	IB,41065,		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	CCV,98WS5863,41	GAS	B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	IB,41065,		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	S,133647-008,41		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	S,133647-007,41		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	S,133647-006,41		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	CCV,98WS5863,41	GAS	B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	IB,41065,		B# 41065 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

Sequence Process Information - Channel A

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	Out Dev
1	-	1	1	TVHBTXE	G_043098	G_043098	TVH_W	146G001	146G001		146G001	-	-	-	LPT1:
2	-	1	1	TVHBTXE	G_043098	G_043098	TVH_W	146G002	146G002		146G002	-	-	-	LPT1:
3	-	1	2	TVHBTXE	G_043098	G_043098	TVH_W	146G003	146G003		146G003	-	-	-	LPT1:
	-	1	3	TVHBTXE	G_043098	G_043098	TVH_W	146G004	146G004		146G004	-	-	-	LPT1:
5	-	1	3	TVHBTXE	G_043098	G_043098	TVH_W	146G005	146G005		146G005	-	-	-	LPT1:
6	-	1	3	TVHBTXE	G_043098	G_043098	TVH_W	146G006	146G006		146G006	-	-	-	LPT1:
7	-	1	4	TVHBTXE	G_043098	G_043098	TVH_W	146G007	146G007		146G007	-	-	-	LPT1:
8	-	1	5	TVHBTXE	G_043098	G_043098	TVH_W	146G008	146G008		146G008	-	-	-	LPT1:
9	-	1	6	TVHBTXE	G_043098	G_043098	TVH_W	146G009	146G009		146G009	-	-	-	LPT1:
10	-	1	8	TVHBTXE	G_043098	G_043098	TVH_W	146G010	146G010		146G010	-	-	-	LPT1:
11	-	1	9	TVHBTXE	G_043098	G_043098	TVH_W	146G011	146G011		146G011	-	-	-	LPT1:
12	-	1	10	TVHBTXE	G_043098	G_043098	TVH_W	146G012	146G012		146G012	-	-	-	LPT1:
13	-	1	11	TVHBTXE	G_043098	G_043098	TVH_W	146G013	146G013		146G013	-	-	-	LPT1:
14	-	1	11	TVHBTXE	G_043098	G_043098	TVH_W	146G014	146G014		146G014	-	-	-	LPT1:
15	-	1	12	TVHBTXE	G_043098	G_043098	TVH_W	146G015	146G015		146G015	-	-	-	LPT1
16	-	1	12	TVHBTXE	G_043098	G_043098	TVH_W	146G016	146G016		146G016	-	-	-	LPT1:
17	-	1	12	TVHBTXE	G_043098	G_043098	TVH_W	146G017	146G017		146G017	-	-	-	LPT1:
18	-	1	13	TVHBTXE	G_043098	G_043098	TVH_W	146G018	146G018		146G018	-	-	-	LPT1:
19	-	1	13	TVHBTXE	G_043098	G_043098	TVH_W	146G019	146G019		146G019	-	-	-	LPT1:
20	-	1	14	TVHBTXE	G_043098	G_043098	TVH_W	146G020	146G020		146G020	-	-	-	LPT1:
21	-	1	15	TVHBTXE	G_043098	G_043098	TVH_W	146G021	146G021		146G021	-	-	-	LPT1:
22	-	1	15	TVHBTXE	G_043098	G_043098	TVH_W	146G022	146G022		146G022	-	-	-	LPT1:
23	-	1	16	TVHBTXE	G_043098	G_043098	TVH_W	146G023	146G023		146G023	-	-	-	LPT1:
24	-	1	17	TVHBTXE	G_043098	G_043098	TVH_W	146G024	146G024		146G024	-	-	-	LPT1:
25	-	1	18	TVHBTXE	G_043098	G_043098	TVH_W	146G025	146G025		146G025	-	-	-	LPT1:
26	-	1	19	TVHBTXE	G_043098	G_043098	TVH_W	146G026	146G026		146G026	-	-	-	LPT1:
27	-	1	20	TVHBTXE	G_043098	G_043098	TVH_W	146G027	146G027		146G027	-	-	-	LPT1:
28	-	1	21	TVHBTXE	G_043098	G_043098	TVH_W	146G028	146G028		146G028	-	-	-	LPT1:
29	-	1	21	TVHBTXE	G_043098	G_043098	TVH_W	146G029	146G029		146G028	-	-	-	LPT1:
30	-	1	22	TVHBTXE	G_043098	G_043098	TVH_W	146G030	146G030		146G029	-	-	-	LPT1:
31	-	1	23	TVHBTXE	G_043098	G_043098	TVH_W	146G031	146G031		146G030	-	-	-	LPT1:
32	-	1	24	TVHBTXE	G_043098	G_043098	TVH_W	146G032	146G032		146G031	-	-	-	LPT1:
33	-	1	25	TVHBTXE	G_043098	G_043098	TVH_W	146G033	146G033		146G032	-	-	-	LPT1:
34	-	1	26	TVHBTXE	G_043098	G_043098	TVH_W	146G034	146G034		146G033	-	-	-	LPT1:
35	-	1	7	TVHBTXE	G_043098	G_043098	TVH_W	146G035	146G035		146G034	-	-	-	LPT1:
36	-	1	27	TVHBTXE	G_043098	G_043098	TVH_W	146G036	146G036		146G035	-	-	-	LPT1:
37	-	1	28	TVHBTXE	G_043098	G_043098	TVH_W	146G037	146G037		146G036	-	-	-	LPT1:
38	-	1	29	TVHBTXE	G_043098	G_043098	TVH_W	146G038	146G038		146G037	-	-	-	LPT1:
	-	1	30	TVHBTXE	G_043098	G_043098	TVH_W	146G039	146G039		146G038	-	-	-	LPT1:
	-	1	31	TVHBTXE	G_043098	G_043098	TVH_W	146G040	146G040		146G039	-	-	-	LPT1:
41	-	1	32	TVHBTXE	G_043098	G_043098	TVH_W	146G041	146G041		146G040	-	-	-	LPT1:
42	-	1	33	TVHBTXE	G_043098	G_043098	TVH_W	146G042	146G042		146G041	-	-	-	LPT1:
43	-	1	34	TVHBTXE	G_043098	G_043098	TVH_W	146G043	146G043		146G042	-	-	-	LPT1
44	-	1	35	TVHBTXE	G_043098	G_043098	TVH_W	146G044	146G044		146G043	-	-	-	LPT1:

Turbochrom Sequence File : G:\GC05\TVHBTXE\MAY28.SEQ <Modified>
Created by : AMP on : 5/28/98 09:46 AM
Edited by : TEW on : 5/29/98 11:02 AM
Description : JULIAN DATE OF 148GH

Number of Times Edited : 4

Sequence File Header Information:

Number of Rows : 46
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel B

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	CCV/LCS,QC71590	GAS	B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	CCV,98WS5726,41	JP-4	B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	CCV,98WS5833,41	STODDARD	B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	CCV,98WS5870&98	BTXE/MTBE	B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	MB,QC71591,4113		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	BS,QC71592,98WS	BTEX	B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample	BSD,QC71593,98W	BTEX	B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	S,133828-001,41		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample	S,133828-002,41		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	RR,D,133724-001		B# 41132 W	5.000	1.000	1.000	250.000	1.000	1.000	0.000	100.000
11	Sample	IB,41132,		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample	RR,S,133794-001		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample	RR,S,133794-002		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample	S,133698-011,41		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample	S,133698-009,41		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	CCV,98WS5863,41	GAS	B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample	CCV,98WS5726,41	JP-4	B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample	CCV,98WS5833,41	STODDARD	B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample	CCV,98WS5870&98	BTXE/MTBE	B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample	S,133698-006,41		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample	MSS,133698-008,		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Sample	MS,QC71594,98WS	GAS	B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample	MSD,QC71595,98W	GAS	B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample	S,133698-010,41		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	RR,S,133704-012		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample	RR,S,133788-011		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample	RR,S,133791-001		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample	S,133814-002,41		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	S,133814-001,41		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	CCV,98WS5863,41	GAS	B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	CCV,98WS5870&98	BTXE/MTBE	B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	S,133806-001,41		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	S,133806-002,41		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	D,133806-003,41		B# 41132 W	5.000	1.000	1.000	10.000	1.000	1.000	0.000	100.000
35	Sample	S,133806-003,41		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample	IB,41132,		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	CCV,98WS5863,41	GAS	B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample	CCV,98WS5870&98	BTXE/MTBE	B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample	IB,41132,		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample	IB,41132,		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample	IB,41132,		B# 41132 W	5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample				5.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

Sequence Process Information - Channel B

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	Out Dev
1	-	1	1	TVHBTXE	H_051898	H_051898	BTXE_W	148H001	148H001		148H001	-	-	-	LPT1.
2	-	1	1	TVHBTXE	H_051898	H_051898	BTXE_W	148H002	148H002		148H002	-	-	-	LPT1.
3	-	1	2	TVHBTXE	H_051898	H_051898	BTXE_W	148H003	148H003		148H003	-	-	-	LPT1.
	-	1	3	TVHBTXE	H_051898	H_051898	BTXE_W	148H004	148H004		148H004	-	-	-	LPT1
	-	1	3	TVHBTXE	H_051898	H_051898	BTXE_W	148H005	148H005		148H005	-	-	-	LPT1
6	-	1	3	TVHBTXE	H_051898	H_051898	BTXE_W	148H006	148H006		148H006	-	-	-	LPT1:
7	-	1	4	TVHBTXE	H_051898	H_051898	BTXE_W	148H007	148H007		148H007	-	-	-	LPT1:
8	-	1	5	TVHBTXE	H_051898	H_051898	BTXE_W	148H008	148H008		148H008	-	-	-	LPT1:
9	-	1	6	TVHBTXE	H_051898	H_051898	BTXE_W	148H009	148H009		148H009	-	-	-	LPT1:
10	-	1	8	TVHBTXE	H_051898	H_051898	BTXE_W	148H010	148H010		148H010	-	-	-	LPT1:
11	-	1	9	TVHBTXE	H_051898	H_051898	BTXE_W	148H011	148H011		148H011	-	-	-	LPT1:
12	-	1	10	TVHBTXE	H_051898	H_051898	BTXE_W	148H012	148H012		148H012	-	-	-	LPT1:
13	-	1	11	TVHBTXE	H_051898	H_051898	BTXE_W	148H013	148H013		148H013	-	-	-	LPT1:
14	-	1	11	TVHBTXE	H_051898	H_051898	BTXE_W	148H014	148H014		148H014	-	-	-	LPT1:
15	-	1	12	TVHBTXE	H_051898	H_051898	BTXE_W	148H015	148H015		148H015	-	-		LPT1.
16	-	1	12	TVHBTXE	H_051898	H_051898	BTXE_W	148H016	148H016		148H016	-	-	-	LPT1:
17	-	1	12	TVHBTXE	H_051898	H_051898	BTXE_W	148H017	148H017		148H017	-	-	-	LPT1:
18	-	1	13	TVHBTXE	H_051898	H_051898	BTXE_W	148H018	148H018		148H018	-	-	-	LPT1:
19	-	1	13	TVHBTXE	H_051898	H_051898	BTXE_W	148H019	148H019		148H019	-	-	-	LPT1.
20	-	1	14	TVHBTXE	H_051898	H_051898	BTXE_W	148H020	148H020		148H020	-	-	-	LPT1:
21	-	1	15	TVHBTXE	H_051898	H_051898	BTXE_W	148H021	148H021		148H021	-	-	-	LPT1:
22	-	1	15	TVHBTXE	H_051898	H_051898	BTXE_W	148H022	148H022		148H022	-	-	-	LPT1:
23	-	1	16	TVHBTXE	H_051898	H_051898	BTXE_W	148H023	148H023		148H023	-	-	-	LPT1:
24	-	1	17	TVHBTXE	H_051898	H_051898	BTXE_W	148H024	148H024		148H024	-	-	-	LPT1:
25	-	1	18	TVHBTXE	H_051898	H_051898	BTXE_W	148H025	148H025		148H025	-	-	-	LPT1:
26	-	1	19	TVHBTXE	H_051898	H_051898	BTXE_W	148H026	148H026		148H026	-	-	-	LPT1:
27	-	1	20	TVHBTXE	H_051898	H_051898	BTXE_W	148H027	148H027		148H027	-	-	-	LPT1:
28	-	1	21	TVHBTXE	H_051898	H_051898	BTXE_W	148H028	148H028		148H028	-	-	-	LPT1:
29	-	1	22	TVHBTXE	H_051898	H_051898	BTXE_W	148H029	148H029		148H029	-	-	-	LPT1:
30	-	1	23	TVHBTXE	H_051898	H_051898	BTXE_W	148H030	148H030		148H030	-	-	-	LPT1
31	-	1	24	TVHBTXE	H_051898	H_051898	BTXE_W	148H031	148H031		148H031	-	-	-	LPT1:
32	-	1	25	TVHBTXE	H_051898	H_051898	BTXE_W	148H032	148H032		148H032	-	-	-	LPT1:
33	-	1	26	TVHBTXE	H_051898	H_051898	BTXE_W	148H033	148H033		148H033	-	-	-	LPT1.
34	-	1	7	TVHBTXE	H_051898	H_051898	BTXE_W	148H034	148H034		148H034	-	-	-	LPT1
35	-	1	27	TVHBTXE	H_051898	H_051898	BTXE_W	148H035	148H035		148H035	-	-	-	LPT1
36	-	1	28	TVHBTXE	H_051898	H_051898	BTXE_W	148H036	148H036		148H036	-	-	-	LPT1:
37	-	1	29	TVHBTXE	H_051898	H_051898	BTXE_W	148H037	148H037		148H037	-	-	-	LPT1:
38	-	1	30	TVHBTXE	H_051898	H_051898	BTXE_W	148H038	148H038		148H038	-	-	-	LPT1:
39	-	1	30	TVHBTXE	H_051898	H_051898	BTXE_W	148H039	148H039		148H038	-	-	-	LPT1:
	-	1	30	TVHBTXE	H_051898	H_051898	BTXE_W	148H040	148H040		148H038	-	-	-	LPT1
41	-	1	30	TVHBTXE	H_051898	H_051898	BTXE_W	148H041	148H041		148H038	-	-	-	LPT1
42	-	1	30	TVHBTXE	H_051898	H_051898	BTXE_W	148H042	148H042		148H038	-	-	-	LPT1:
43	-	1	30	TVHBTXE	H_051898	H_051898	BTXE_W	148H043	148H043		148H038	-	-	-	LPT1.
44	-	1	30	TVHBTXE	H_051898	H_051898	BTXE_W	148H044	148H044		148H038	-	-	-	LPT1:
45	-	1	30	TVHBTXE	H_051898	H_051898	BTXE_W	148H045	148H045		148H038	-	-	-	LPT1:
46	-	1	30	TVHBTXE	H_051898	H_051898	BTXE_W	148H046	148H046		148H038	-	-	-	LPT1.

Curtis & Tompkins, Ltd. Sample Batch Report

Batch Number: 41065
Date Started: 26-MAY-98
Batched By : Troy E. Windsor

Analysis : N/A
Bgroup: : TVH
Department: GC Organics

Sample No.	Type		Client	Matrix	Analysis	Due Date
133647-001			EMCON	Water	TVH	27-MAY-98
133647-002			EMCON	Water	TVH	27-MAY-98
133647-003			EMCON	Water	TVH	27-MAY-98
133647-004			EMCON	Water	TVH	27-MAY-98
133647-005			EMCON	Water	TVH	27-MAY-98
133647-006			EMCON	Water	TVH	27-MAY-98
133647-007			EMCON	Water	TVH	27-MAY-98
133647-008			EMCON	Water	TVH	27-MAY-98
133704-012			CAL Inc.	Water	BTXE	29-MAY-98
133704-012			CAL Inc.	Water	TVH	29-MAY-98
133724-001			Subsurface Consultants	Water	BTXE	27-MAY-98
133724-001			Subsurface Consultants	Water	TVH	27-MAY-98
133754-004			Law Engineering	Water	TVH	27-MAY-98
133754-006			Law Engineering	Water	TVH	27-MAY-98
133754-012			Law Engineering	Water	TVH	27-MAY-98
133788-011			CAL Inc.	Water	BTXE	01-JUN-98
133788-011			CAL Inc.	Water	TVH	01-JUN-98
133791-001			Burns & McDonnell	Water	BTXE	03-JUN-98
133791-001			Burns & McDonnell	Water	TVH	03-JUN-98
133794-001			IT Corporation	Water	BTXE	03-JUN-98
133794-001			IT Corporation	Water	TVH	03-JUN-98
133794-002			IT Corporation	Water	BTXE	03-JUN-98
133794-002			IT Corporation	Water	TVH	03-JUN-98
QC71355	LCS			Water		
QC71356	MB			Water		
QC71357	BS			Water		
QC71358	BSD			Water		
QC71359	MS	of 133788-011		Water		
QC71360	MSD	of 133788-011		Water		

Curtis & Tompkins GC05 Run Log Notebook BK0949

Analyst: TEW Date: 5-27-98 Sequence Name: MAY 26 Page 14

Batch No.: 41065 + MS/MSD rerun B#41052 File Prefix: 146 GHE Continued from Page: —

File No.	Stn. No	Sample Name	Wt/vol	pH	Comment	Std. NO.	Lims No. STD Name	Vial
1		IB	5mL		[illegible] 5-26-98 2300	1	98WS5741	
2	2	CCV/LCS, QC71355	↓		PASS		DAILY SS 450	
3	3	CCV			↓	2	98WS58[illegible]	
4	4&5	CCV			↓		GAS 2000 ppm	
5		MB, QC71356			ND	3	98WS58[illegible]	
6	6	BS, QC71357			PASS		STODDARD 2000 ppm	
7	6	BSD, QC71358	↓		↓	4	98WS5870	
8		RR, 133724-001	500x	A4			BTXE 20 ppm	
9		IB	5mL		ND	5	98WS5881	
10		133704-012	↓	T1			MTBE 20 ppm	
11		133791-001		B2		6	98WS5718	
12		133794-001		B2			BTEX 2nd 20 ppm	
13		133794-002		B2				
14		MSS, 133788-011		H1				
15	2	CCV			PASS			
16	3	CCV			↓			
17	4&5	CCV			Benzene, Toluene & Ethylbenzene fail low			
18	2	MS, QC71359		H1	PASS			
19	2	MSD, QC71360		↓	↓			
20		133754-004		A4				
21		↓ -006		C2				
22		-012		C2				
23		133647-002		J2				
24		↓ -003		I5				
25		-004		I2				
26		-005	↓	I2				
27		-001	5X	J3				
28		IB	5mL		ND			
29	2	CCV	↓		PASS			
30		IB			ND			
31		133647-008		A2				
32		↓ -007		I2				
33		-006		E2				
34	2	CCV			PASS			
35		IB	↓		ND 5-27-98 0554		Ical on page(s)	
36	2	CCV	1g		PASS 5-27-98 0631		43 & 44	
37	2	RR, MS, QC71297	↓		Confirms Matrix		of BK0901 &	page
38	2	RR, MSD, QC71298			effect		8 of BK0949	
39	2	CCV	↓		PASS 5-27-98 0820		All runs rec'd Std. #1	

Continued on Page: —

Signed: Troy E. Winters Date: 5-27-98

Read and Understood by: [signature] Signed Date: 5/27/98

Curtis & Tompkins, Ltd. Sample Batch Report

Batch Number: 41132
Date Started: 28-MAY-98
Batched By : Troy E. Windsor

Analysis : N/A
Bgroup: : TVH
Department: GC Organics

Sample No.	Type		Client	Matrix	Analysis	Due Date
133698-006			U.S. Army Corps of Engineers	Water	TVH	29-MAY-98
133698-008			U.S. Army Corps of Engineers	Water	TVH	29-MAY-98
133698-009			U.S. Army Corps of Engineers	Water	TVH	29-MAY-98
133698-010			U.S. Army Corps of Engineers	Water	TVH	29-MAY-98
133698-011			U.S. Army Corps of Engineers	Water	TVH	29-MAY-98
133704-012			CAL Inc.	Water	BTXE	29-MAY-98
133724-001			Subsurface Consultants	Water	BTXE	27-MAY-98
133788-011			CAL Inc.	Water	BTXE	01-JUN-98
133791-001			Burns & McDonnell	Water	BTXE	03-JUN-98
133794-001			IT Corporation	Water	BTXE	03-JUN-98
133794-001			IT Corporation	Water	TVH	03-JUN-98
133794-002			IT Corporation	Water	BTXE	03-JUN-98
133794-002			IT Corporation	Water	TVH	03-JUN-98
133806-001			Weiss Associates	Water	BTXE	29-MAY-98
133806-001			Weiss Associates	Water	TVH	29-MAY-98
133806-002			Weiss Associates	Water	BTXE	29-MAY-98
133806-002			Weiss Associates	Water	TVH	29-MAY-98
133806-003			Weiss Associates	Water	BTXE	29-MAY-98
133806-003			Weiss Associates	Water	TVH	29-MAY-98
133814-001			Subsurface Consultants	Water	BTXE	02-JUN-98
133814-001			Subsurface Consultants	Water	TVH	02-JUN-98
133814-002			Subsurface Consultants	Water	BTXE	02-JUN-98
133814-002			Subsurface Consultants	Water	TVH	02-JUN-98
133828-001			RMT, Inc.	Air	BTXE	02-JUN-98
133828-001			RMT, Inc.	Air	TVH	02-JUN-98
133828-002			RMT, Inc.	Air	BTXE	02-JUN-98
133828-002			RMT, Inc.	Air	TVH	02-JUN-98
590	LCS			Water		
QC71591	MB			Water		
QC71592	BS			Water		
QC71593	BSD			Water		
QC71594	MS	of 133698-008		Water		
QC71595	MSD	of 133698-008		Water		

Analyst: TEW Date: 5-29-98 Sequence Name: MAY 28 Page 16

Batch No.: 41132 File Prefix: 148 GHE Continued from Page: —

File No.	Stn. No	Sample Name	Wt/vol	pH	Comment	Std. NO.	Lims No. STD Name	Vial
1	2	CCV/LCS, RC 71590	5mL		PASS 5&8&98 1001	1	98WS5741	
2	3	CCV	↓		↓		DAILY 55450	
3	4	CCV				2	98WS5863	
4	5&6	CCV			↓		GAS 2000 ppm	#6
5		MB, RC 71591			ND	3	98WS5726	
6	7	BS, RC 71592			PASS		JP-4 2000 ppm	
7	7	BSD, RC 71593			↓	4	98WS5833	
8		133828-001					STODDARD 2000 ppm	
9		133828-002	↓			5	98WS5870	
10		RR, 133724-001	250X	A4			BTXE 20 ppm	
11		IB	5mL		ND	6	98WS5881	
12		RR, 133794-001	↓	C2			MTBE 20 ppm	
13		RR, 133794-002		C2		7	98WS5718	
14		133698-011		F2			BTEX 2nd 20 ppm	
15		133698-009		H2				
16	2	CCV			PASS			
17	3	CCV			↓			
18	4	CCV						
19	5&6	CCV			↓			
20		133699-006		F2				
21		MS, 133698-008		02				
22	2	MS, QC 71594		↓	PASS			
23	2	MSD, QC 71595		↓	↓			
24		133698-010		F2				
25		RR, 133704-012		T1				
26		RR, 133788-011		G2				
27		RR, 133791-001		C2				
28		133814-002		B1	O.R. RR@ 50X			
29		133814-001		B1	↓ ↓ ↓			
30	2	CCV			PASS			
31	5&6	CCV			↓			
32		133806-001		C2	RR@ 1X √ for C.O.			
33		↓ -002	↓	C2	↓ ↓ ↓ ↓			
34		-003	10X	C5	O.R. RR@ 20X		Ical on page(s)	
35		↓ -003	5mL	C5	↓ ↓ ↓		43 & 94	
36		IB	↓		C.O. hits		of BK 0981 & page	
37	2	CCV			PASS		8 of BK 0949	
38	5&6	CCV	↓		ethylbenzene fail low		All runs rec'd Std. #1	

Continued on Page: 17

Signed 5-29-98 Date

Read and Understood by Signed 5/29/98 Date

TEH-Tot Ext Hydrocarbons

Client: CAL Inc.
Project#: 2809
Location: Camp Parks

Analysis Method: EPA 8015M
Prep Method: CA LUFT

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
133788-002	S-11.5-B3	41217	05/19/98	06/01/98	06/02/98	21%
133788-003	S-14.5-B3	41217	05/19/98	06/01/98	06/02/98	18%
133788-005	S-11.5-B4	41217	05/19/98	06/01/98	06/02/98	27%
133788-006	S-14.5-B4	41217	05/19/98	06/01/98	06/02/98	20%

Matrix: Soil

Analyte Diln Fac:	Units	133788-002 1	133788-003 1	133788-005 1	133788-006 1
Diesel C12-C22	mg/Kg	<1.3	<1.2	<1.4	<1.3
Surrogate					
Hexacosane	%REC	105	96	99	104

TEH-Tot Ext Hydrocarbons

Client: CAL Inc.
Project#: 2809
Location: Camp Parks

Analysis Method: EPA 8015M
Prep Method: CA LUFT

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
133788-008	S-11.5-B5	41217	05/19/98	06/01/98	06/02/98	23%
133788-009	S-14.5-B5	41217	05/19/98	06/01/98	06/03/98	22%
133788-010	S-0519-1A,B	41217	05/19/98	06/01/98	06/03/98	26%

Matrix: Soil

Analyte	Units	133788-008	133788-009	133788-010
Diln Fac:		1	1	1
Diesel C12-C22	mg/Kg	<1.3	<1.3	<1.4
Surrogate				
Hexacosane	%REC	107	103	99

TEH-Tot Ext Hydrocarbons

Client: CAL Inc.
Project#: 2809
Location: Camp Parks

Analysis Method: EPA 8015M
Prep Method: EPA 3520

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
133788-011	W-14-B3	41191	05/19/98	05/29/98	06/04/98	

Matrix: Water

Analyte	Units	133788-011
Diln Fac:		1
Diesel C12-C22	ug/L	<47
Surrogate		
Hexacosane	%REC	73

TEH-Tot Ext Hydrocarbons

Client:	CAL Inc.	Analysis Method:	EPA 8015M
Project#:	2809	Prep Method:	EPA 3520
Location:	Camp Parks		

METHOD BLANK

Matrix:	Water	Prep Date:	05/29/98
Batch#:	41191	Analysis Date:	06/03/98
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC71834

Analyte	Result	
Diesel C12-C22	<50	
Surrogate	**%Rec**	**Recovery Limits**
Hexacosane	84	65-135

TEH-Tot Ext Hydrocarbons

Client:	CAL Inc.	Analysis Method:	EPA 8015M
Project#:	2809	Prep Method:	CA LUFT
Location:	Camp Parks		

METHOD BLANK

Matrix:	Soil	Prep Date:	06/01/98
Batch#:	41217	Analysis Date:	06/03/98
Units:	mg/Kg		
Diln Fac:	1		

MB Lab ID: QC71911

Analyte	Result	
Diesel C12-C22	<1.0	
Surrogate	**%Rec**	**Recovery Limits**
Hexacosane	115	65-135

Lab #: 133788

BATCH QC REPORT

Curtis & Tompkins, Ltd.

TEH-Tot Ext Hydrocarbons

Client:	CAL Inc.	Analysis Method:	EPA 8015M
Project#:	2809	Prep Method:	EPA 3520
Location:	Camp Parks		

LABORATORY CONTROL SAMPLE

Matrix:	Water	Prep Date:	05/29/98
Batch#:	41191	Analysis Date:	06/04/98
Units:	ug/L		
Diln Fac:	1		

LCS Lab ID: QC71835

Analyte	Result	Spike Added	%Rec #	Limits
Diesel C12-C22	2015	2475	81	65-135

Surrogate	%Rec	Limits
Hexacosane	85	65-135

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

LIST OF DEPOSIT REFUND WORK DEBITS - REPORT # 99-05

ProjN	ActivDat	Insp	Activity & Description	Hours	$ Rate	Earned
Business: ECS 30 Camp Parks RFTA Camp Parks Bldg 730 Dublin CA 94568						
Site#: 7455 StID: 4102						
7455A	11/13/98	EC	45-Plan Review: Install/Mod/Rem;Mtgs COMM-approve clos plan	0.6	100.00	$60.00
7455A	11/18/98	EC	42-Tank Removal COMM-tank removal	2.9	100.00	$290.00
7455A	03/24/99	RW	45-Plan Review: Install/Mod/Rem;Mtgs COMM-research the disposition of the check received from Dept of Defense for payment on an unknown invoice. Determined that the $630 is for a tank removal at this site overseen by Eva Chu last year. Debited account and closed dep/ref since account is transfered to LOP	0.5	100.00	$50.00

Site Charges with 3 Line Items for 112.1 hours comes to 11,197.40.

== == Overall Subtotal: 110 Line Items for 112.1 hours = so far $11,197.40 == == == == =

TEH-Tot Ext Hydrocarbons

Client:	CAL Inc.	Analysis Method:	EPA 8015M
Project#:	2809	Prep Method:	EPA 3520
Location:	Camp Parks		

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID:	ZZZZZZ	Sample Date:	05/18/98
Lab ID:	133704-011	Received Date:	05/19/98
Matrix:	Water	Prep Date:	05/29/98
Batch#:	41191	Analysis Date:	06/04/98
Units:	ug/L		
Diln Fac:	1		

MS Lab ID: QC71836

Analyte	Spike Added	Sample	MS	%Rec #	Limits
Diesel C12-C22	2475	<50	1513	61 *	65-135
Surrogate	**%Rec**	**Limits**			
Hexacosane	71	65-135			

MSD Lab ID: QC71837

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
Diesel C12-C22	2475	1715	69	65-135	12	20
Surrogate	**%Rec**	**Limits**				
Hexacosane	73	65-135				

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: 1 out of 2 outside limits

TEH-Tot Ext Hydrocarbons

Client:	CAL Inc.	Analysis Method:	EPA 8015M
Project#:	2809	Prep Method:	CA LUFT
Location:	Camp Parks		

LABORATORY CONTROL SAMPLE

Matrix:	Soil	Prep Date:	06/01/98
Batch#:	41217	Analysis Date:	06/03/98
Units:	mg/Kg		
Diln Fac:	1		

LCS Lab ID: QC71912

Analyte	Result	Spike Added	%Rec #	Limits
Diesel C12-C22	47.2	49.5	95	65-135
Surrogate	**%Rec**	**Limits**		
Hexacosane	109	65-135		

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

Average Calibration Factor = 1118.764559 (%RSD = 5.67)

Calibration Replicate Lists:

Component: MTBE

Level : 3

This level has no replicate injections

Level : 4

This level has no replicate injections

Level : 5

This level has no replicate injections

Level : 6

This level has no replicate injections

Level : 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
56421.60	10855.72	500.0000	----------	----------	11/21/97 07:27 AM	324L014.

Level : 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
90701.64	17621.62	750.0000	----------	----------	11/21/97 07:27 AM	324L015.

Level : 9

This level has no replicate injections

Component: BENZENE

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
805.37	247.83	1.7500	----------	----------	11/21/97 07:27 AM	324L008.

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
1287.37	368.75	2.5000	----------	----------	11/21/97 07:27 AM	324L009.

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
7785.23	2033.52	12.5000	----------	----------	11/21/97 07:27 AM	324L010.

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
31885.29	8838.10	50.0000	----------	----------	11/21/97 07:27 AM	324L011.

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
61622.94	17007.44	100.0000	----------	----------	11/21/97	07:27 AM	324L012.

Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
163679.07	44650.71	250.0000	----------	----------	11/21/97	07:27 AM	324L013.

Level : 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
341305.66	92839.78	500.0000	----------	----------	11/21/97	07:27 AM	324L014.

Level : 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
527364.23	143862.12	750.0000	----------	----------	11/21/97	07:27 AM	324L015.

Level : 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
686003.64	188578.41	1000.0000	----------	----------	11/21/97	07:27 AM	324L016.

Component: TRIFLUOROTOLUENE

Level : TFT/BFB 1
This level has no replicate injections

Level : TFT/BFB 2
This level has no replicate injections

Level : TFT/BFB 3
This level has no replicate injections

Level : TFT/BFB 4
This level has no replicate injections

Level : TFT/BFB 5
This level has no replicate injections

Component: TOLUENE

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1079.93	201.25	1.7500	----------	----------	11/21/97	07:27 AM	324L008.

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1275.17	251.39	2.5000	----------	----------	11/21/97	07:27 AM	324L009.

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
6687.00	1300.00	12.5000	----------	----------	11/21/97	07:27 AM	324L010.

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
32477.12	5758.88	50.0000	----------	----------	11/21/97	07:27 AM	324L011.

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
63428.92	10971.56	100.0000	----------	----------	11/21/97	07:27 AM	324L012.

Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
177864.55	29274.33	250.0000	----------	----------	11/21/97	07:27 AM	324L013.

Level : 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
364807.80	61168.03	500.0000	----------	----------	11/21/97	07:27 AM	324L014.

Level : 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
567126.28	96547.50	750.0000	----------	----------	11/21/97	07:27 AM	324L015.

Level : 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
745250.13	126922.24	1000.0000	----------	----------	11/21/97	07:27 AM	324L016.

Component: ETHYLBENZENE

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
5182.21	940.22	12.5000	----------	----------	11/21/97	07:27 AM	324L010.

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
24981.70	4395.54	50.0000	----------	----------	11/21/97	07:27 AM	324L011.

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
49190.38	8534.13	100.0000	----------	----------	11/21/97	07:27 AM	324L012.

Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
134173.23	23202.63	250.0000	----------	----------	11/21/97	07:27 AM	324L013.

Level : 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
277451.92	47818.51	500.0000	----------	----------	11/21/97	07:27 AM	324L014.

Level : 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
440157.13	76365.49	750.0000	----------	----------	11/21/97	07:27 AM	324L015.

Level : 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
586618.16	101193.87	1000.0000	----------	----------	11/21/97	07:27 AM	324L016.

Component: m,p-XYLENE

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
1162.29	221.03	2.5000	----------	----------	11/21/97	07:27 AM	324L009.

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
6099.06	1132.81	12.5000	----------	----------	11/21/97	07:27 AM	324L010.

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
35967.05	5482.75	50.0000	----------	----------	11/21/97	07:27 AM	324L011.

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
70358.12	10586.64	100.0000	----------	----------	11/21/97	07:27 AM	324L012.

Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
186995.15	28259.07	250.0000	----------	----------	11/21/97	07:27 AM	324L013.

Level : 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time		File
385970.87	57880.41	500.0000	----------	----------	11/21/97	07:27 AM	324L014.

Level : 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
606401.71	91669.36	750.0000	----------	----------	11/21/97 07:27 AM	324L015.

Level : 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
801816.81	122065.81	1000.0000	----------	----------	11/21/97 07:27 AM	324L016.

Component: o-XYLENE

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
4563.76	880.62	12.5000	----------	----------	11/21/97 07:27 AM	324L010.

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
25838.93	4290.74	50.0000	----------	----------	11/21/97 07:27 AM	324L011.

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
51940.21	8392.00	100.0000	----------	----------	11/21/97 07:27 AM	324L012.

Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
139652.22	22839.38	250.0000	----------	----------	11/21/97 07:27 AM	324L013.

Level : 7

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
297541.17	47329.38	500.0000	----------	----------	11/21/97 07:27 AM	324L014.

Level : 8

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
470369.11	75106.12	750.0000	----------	----------	11/21/97 07:27 AM	324L015.

Level : 9

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date/Time	File
626528.35	100323.57	1000.0000	----------	----------	11/21/97 07:27 AM	324L016.

Component: BROMOFLUOROBENZENE

Level : TFT/BFB 1

This level has no replicate injections

Level : TFT/BFB 2

This level has no replicate injections

Level : TFT/BFB 3
This level has no replicate injections

Level : TFT/BFB 4
This level has no replicate injections

Level : TFT/BFB 5
This level has no replicate injections

TOTAL VOLATILE HYDROCARBON CALIBRATION VERIFICATION SUMMARY

Instrument ID:	GC04	Matrix :	Water
Sequence ID:	Mar02	Batch Number:	39331
ICAL Date:	11-Sep-97	LIMS STANDARD ID:	98WS5481

ANALYTE	FILENAME	DATE ANALYZED	CALC AMOUNT ug/L	NOM AMOUNT ug/L	%D	CCV STAT	BFB REC. %	SURR. STATUS
GASOLINE	061J002	2-Mar-98	1769.61	2000	12	PASS	91	PASS
GASOLINE	061J016	2-Mar-98	1781.11	2000	11	PASS	89	PASS
GASOLINE	061J029	3-Mar-98	1774.28	2000	11	PASS	94	PASS
GASOLINE	061J038	3-Mar-98	1822.62	2000	9	PASS	94	PASS

QC LIMITS: CCV = %D of amounts must be less than or equal to 15%

Bromofluorobenzene Surrogate Recovery limits = 70 -122%

COMMENTS: _____

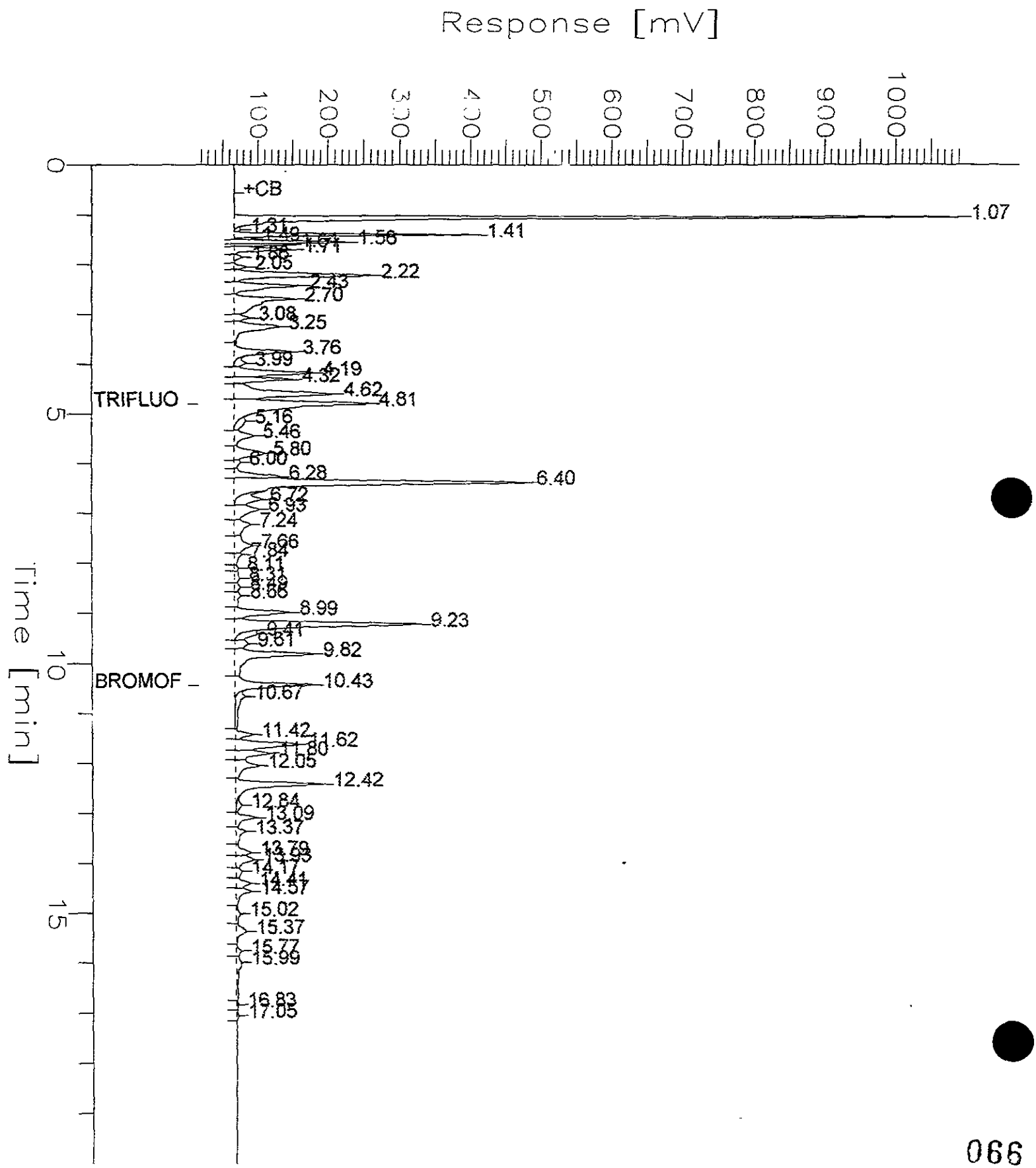
_____

_____

GC04 TVH 'J' Data File Rtx1FID

Sample Name : CCV/LCS,QC65096,98WS5481,39331
FileName : G:\GC04\DATA\061J002.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 1.0 Plot Offset: 15 mV

Sample #: GAS Page 1 of 1
Date : 3/2/98 08:46 AM
Time of Injection: 3/2/98 08:26 AM
Low Point : 14.79 mV High Point : 1093.67 mV
Plot Scale: 1078.9 mV



BTXE CALIBRATION VERIFICATION SUMMARY

Instrument ID:	GC04	Matrix :	Water
Sequence ID:	Mar02	Batch Number:	39331
ICAL Date:	21-Nov-97	LIMS STANDARD ID:	98WS5259

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00	18.76	6	PASS
BENZENE	20.00	18.74	6	PASS
TOLUENE	20.00	20.65	3	PASS
ETHYLBENZENE	20.00	20.74	4	PASS
m,p-XYLENE	20.00	21.88	9	PASS
o-XYLENE	20.00	20.32	2	PASS

FILENAME: 061K004
INJECTION DATE: Mar02

TFT REC. %	BFB REC. %	SURR STAT
82	67	PASS

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00	16.85	16	PASS
BENZENE	20.00	19.66	2	PASS
TOLUENE	20.00	21.73	9	PASS
ETHYLBENZENE	20.00	21.84	9	PASS
m,p-XYLENE	20.00	23.01	15	PASS
o-XYLENE	20.00	20.98	5	PASS

FILENAME: 061K017
INJECTION DATE: Mar02

TFT REC. %	BFB REC. %	SURR STAT
89	71	PASS

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00	11.49	43	FAIL
BENZENE	20.00	19.07	5	PASS
TOLUENE	20.00	21.62	8	PASS
ETHYLBENZENE	20.00	19.48	3	PASS
m,p-XYLENE	20.00	22.77	14	PASS
o-XYLENE	20.00	20.62	3	PASS

FILENAME: 061K030
INJECTION DATE: Mar03

TFT REC. %	BFB REC. %	SURR STAT
90	68	PASS

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00	12.09	40	FAIL
BENZENE	20.00	19.03	5	PASS
TOLUENE	20.00	21.28	6	PASS
ETHYLBENZENE	20.00	20.52	3	PASS
m,p-XYLENE	20.00	23.05	15	PASS
o-XYLENE	20.00	20.07	0	PASS

FILENAME: 061K039
INJECTION DATE: Mar03

TFT REC. %	BFB REC. %	SURR STAT
82	71	PASS

QC LIMITS: CCV = %D of BTXE amounts must be less than or equal to 15% , 20% for MTBE
Surrogate Recovery limits = TFT 58 - 130% and BFB 62 - 131%

BTXE CALIBRATION VERIFICATION SUMMARY

Instrument ID: GC04 Matrix : Water

Sequence ID: Mar04 Batch Number: 39366

ICAL Date: 21-Nov-97 LIMS STANDARD ID: 98WS5259

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00	20.76	4	PASS
BENZENE	20.00	18.82	6	PASS
TOLUENE	20.00	20.24	1	PASS
ETHYLBENZENE	20.00	19.54	2	PASS
m,p-XYLENE	20.00	22.89	14	PASS
o-XYLENE	20.00	18.50	8	PASS

FILENAME: 063K003
INJECTION DATE: Mar04

TFT REC. %	BFB REC. %	SURR STAT
85	64	PASS

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00	22.71	14	PASS
BENZENE	20.00	18.95	5	PASS
TOLUENE	20.00	20.96	5	PASS
ETHYLBENZENE	20.00	19.61	2	PASS
m,p-XYLENE	20.00	23.03	15	PASS
o-XYLENE	20.00	19.11	4	PASS

FILENAME: 063K015
INJECTION DATE: Mar04

TFT REC. %	BFB REC. %	SURR STAT
96	72	PASS

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00	20.47	2	PASS
BENZENE	20.00	18.77	6	PASS
TOLUENE	20.00	21.24	6	PASS
ETHYLBENZENE	20.00	20.84	4	PASS
m,p-XYLENE	20.00	22.26	11	PASS
o-XYLENE	20.00	19.86	1	PASS

FILENAME: 063K029
INJECTION DATE: Mar05

TFT REC. %	BFB REC. %	SURR STAT
89	75	PASS

ANALYTE	NOM AMOUNT ug/L	CALC AMOUNT ug/L	%D	CCV STAT
MTBE	20.00	20.55	3	PASS
BENZENE	20.00	20.03	0	PASS
TOLUENE	20.00	21.97	10	PASS
ETHYLBENZENE	20.00	21.18	6	PASS
m,p-XYLENE	20.00	23.02	15	PASS
o-XYLENE	20.00	20.20	1	PASS

FILENAME: 063K038
INJECTION DATE: Mar05

TFT REC. %	BFB REC. %	SURR STAT
92	72	PASS

QC LIMITS: %D must be equal to or less than 15, 20 for MTBE
Surrogate Recovery limits = TFT 58 - 130% and BFB 62 - 131%