

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062022\
 Data File : VW026436.D
 Acq On : 20 Jun 2022 11:06
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005328

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/21/2022
 Supervised By :Mahesh Dadoda 06/21/2022

Quant Time: Jun 21 02:19:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jun 20 01:25:22 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	244417	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	219999	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	108142	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.326	65	84439	3.977	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.587	69	72274	4.330	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.600%
11) 1,1-Dichloroethene-d2	2.127	63	158071	4.336	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.800%
20) 2-Butanone-d5	3.934	46	92954	44.873	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.740%
24) Chloroform-d	4.362	84	162448	5.221	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.400%
26) 1,2-Dichloroethane-d4	5.043	65	61701	4.687	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	5.059	84	326058	5.544	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.800%
36) 1,2-Dichloropropane-d6	6.072	67	90550	5.275	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.400%
41) Toluene-d8	7.317	98	306763	5.720	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.400%
43) trans-1,3-Dichloroprop...	7.625	79	21232	3.814	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.200%
46) 2-Hexanone-d5	8.091	63	81255	48.324	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.640%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	55132	5.214	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	89988	5.402	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.150	85	80382	4.398	ug/L	100
3) Chloromethane	1.259	50	79184	3.902	ug/L	99
5) Vinyl chloride	1.330	62	88622	4.200	ug/L	87
6) Bromomethane	1.542	94	45039	3.820	ug/L	98
8) Chloroethane	1.603	64	65149m	4.974	ug/L	
9) Trichlorofluoromethane	1.770	101	129999	4.464	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.134	101	74697	4.423	ug/L	99
12) 1,1-Dichloroethene	2.137	96	71991	4.662	ug/L	97
13) Acetone	2.230	43	55458	34.546	ug/L	76
14) Carbon disulfide	2.310	76	166502	4.373	ug/L	96
15) Methyl Acetate	2.468	43	16145	4.192	ug/L	98
16) Methylene chloride	2.526	84	79096	4.015	ug/L	96
17) Methyl tert-butyl Ether	2.789	73	138494	5.216	ug/L	99
18) trans-1,2-Dichloroethene	2.777	96	73728	4.923	ug/L	98
19) 1,1-Dichloroethane	3.204	63	144875	5.072	ug/L	98
21) 2-Butanone	4.024	43	90474	43.555	ug/L	94
22) cis-1,2-Dichloroethene	3.928	96	82238	5.427	ug/L	95
23) Bromochloromethane	4.262	128	32007	4.978	ug/L	90
25) Chloroform	4.387	83	149800	4.835	ug/L	98

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 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

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 ClientSampleId :
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 Supervised By :Mahesh Dadoda 06/21/2022

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jun 20 01:25:22 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.140	62	66268	4.699	ug/L	99
29) 1,1,1-Trichloroethane	4.616	97	131176	5.396	ug/L	98
30) Cyclohexane	4.686	56	96501	5.308	ug/L	99
31) Carbon tetrachloride	4.838	117	106807	5.188	ug/L	99
33) Benzene	5.108	78	311813	5.528	ug/L	100
34) Trichloroethene	5.918	95	78546	5.101	ug/L	98
35) Methylcyclohexane	6.133	83	105214	4.939	ug/L	96
37) 1,2-Dichloropropane	6.178	63	77690	5.266	ug/L	98
38) Bromodichloromethane	6.513	83	93339	5.216	ug/L	98
39) cis-1,3-Dichloropropene	7.030	75	71778	4.263	ug/L	97
40) 4-Methyl-2-pentanone	7.230	43	261780	48.261	ug/L	95
42) Toluene	7.387	91	336163	5.667	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	54953	4.087	ug/L	94
45) 1,1,2-Trichloroethane	7.841	97	48058	4.963	ug/L	94
47) Tetrachloroethene	7.976	164	61255	5.370	ug/L	97
48) 2-Hexanone	8.140	43	168320	43.311	ug/L	96
49) Dibromochloromethane	8.246	129	52441	4.890	ug/L	97
50) 1,2-Dibromoethane	8.352	107	42582	5.161	ug/L	99
51) Chlorobenzene	8.879	112	213507	5.512	ug/L	99
52) Ethylbenzene	9.011	91	343897	5.783	ug/L	99
53) m,p-Xylene	9.136	106	134270	5.792	ug/L	95
54) o-Xylene	9.542	106	129971	5.788	ug/L	98
55) Styrene	9.561	104	218701	5.799	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.239	83	53699	5.467	ug/L	97
59) Bromoform	9.731	173	22018	4.637	ug/L	100
60) Isopropylbenzene	9.931	105	350412	6.078	ug/L	99
61) 1,2,3-Trichloropropane	10.271	75	35759	5.096	ug/L	96
62) 1,3,5-Trimethylbenzene	10.538	105	268716	5.874	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	275090	6.075	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	163178	5.760	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	160209	5.565	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	140206	5.588	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	6327	5.090	ug/L	90
69) 1,3,5-Trichlorobenzene	12.641	180	112218	5.479	ug/L	99
70) 1,2,4-trichlorobenzene	13.258	180	80813	5.349	ug/L	98
71) Naphthalene	13.500	128	107617	5.131	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	67623	5.347	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Reviewed By :Krupa Patel 06/21/2022
Supervised By :Mahesh Dadoda 06/21/2022

[illegible]

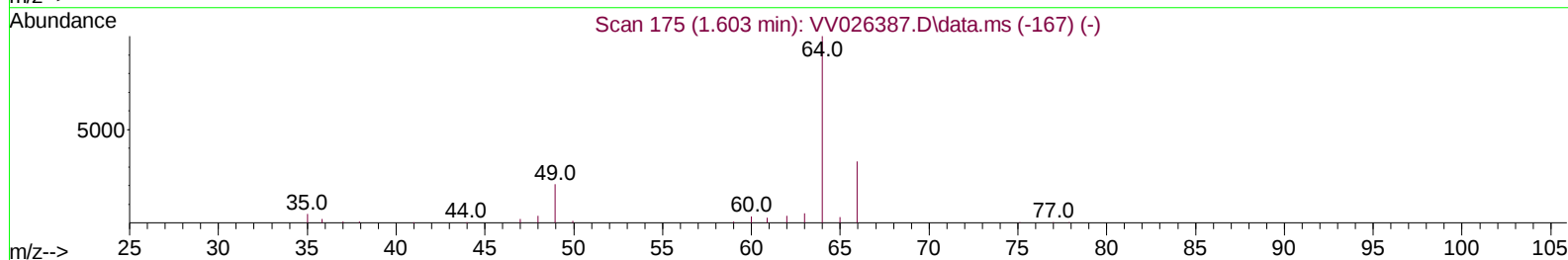
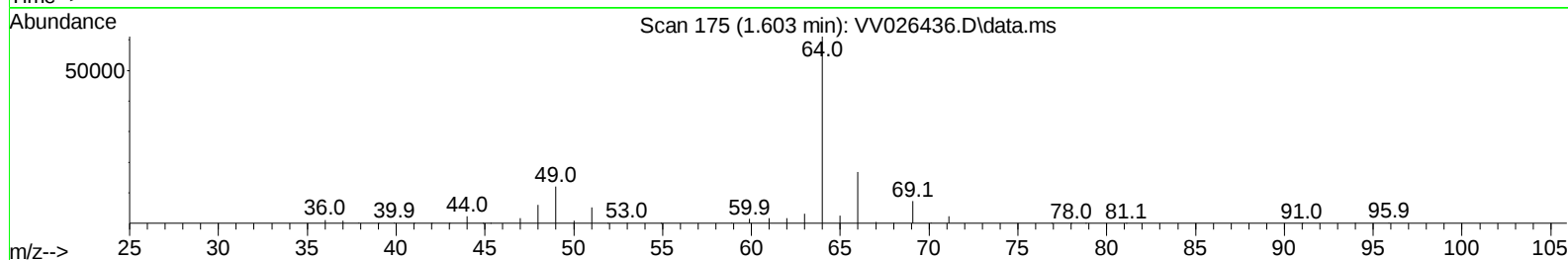
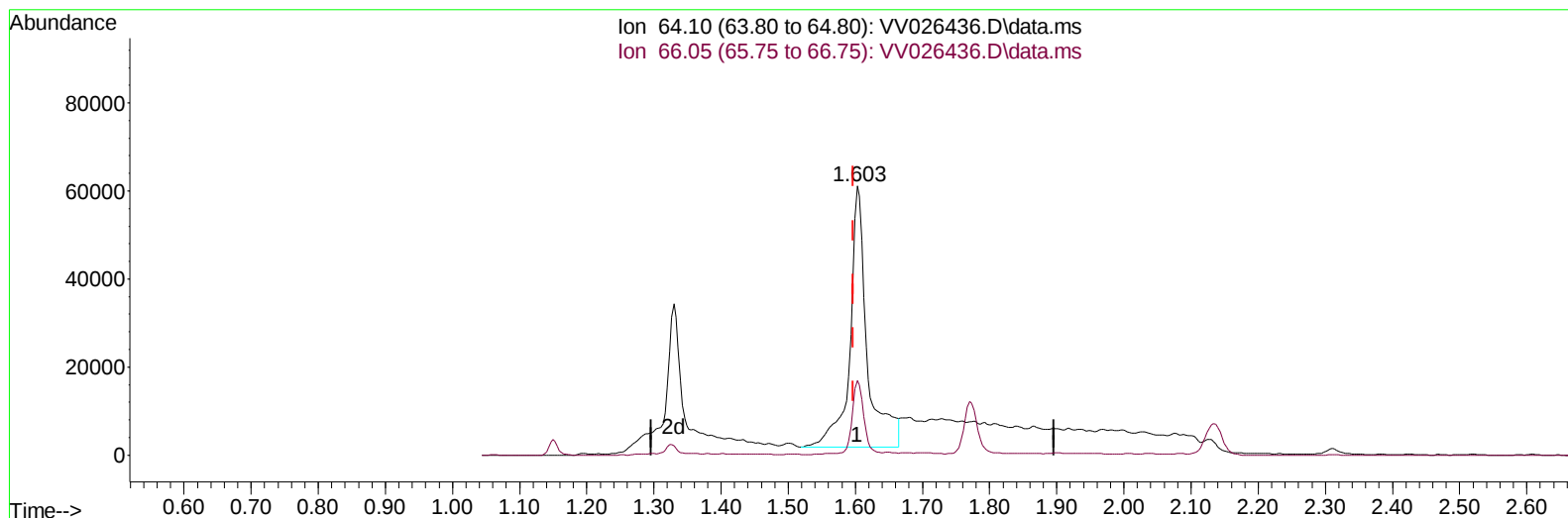
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Operator : SY/MD
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Jun 20 01:25:22 2022
Response via : Initial Calibration



TIC: VV026436.D\data.ms

(8) Chloroethane (T)

1.603min (+ 0.006) 8.13 ug/L

response 106541

Ion	Exp%	Act%
64.10	100.00	100.00
66.05	34.40	27.69
0.00	0.00	0.00
0.00	0.00	0.00

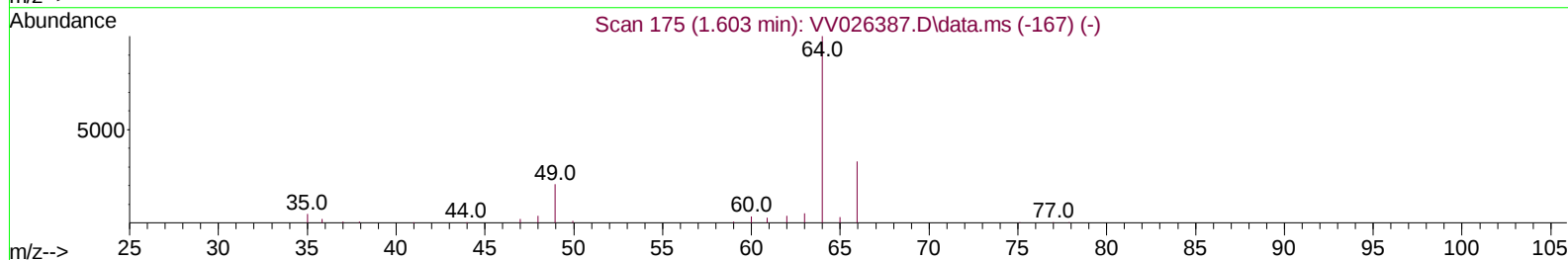
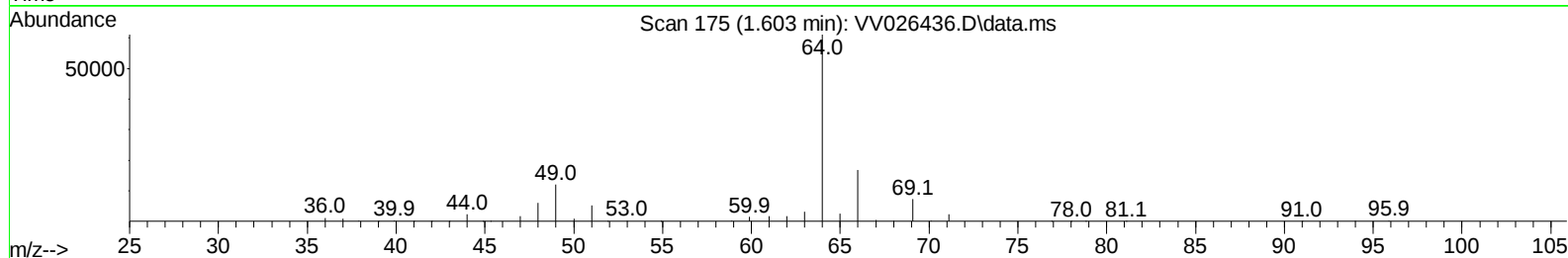
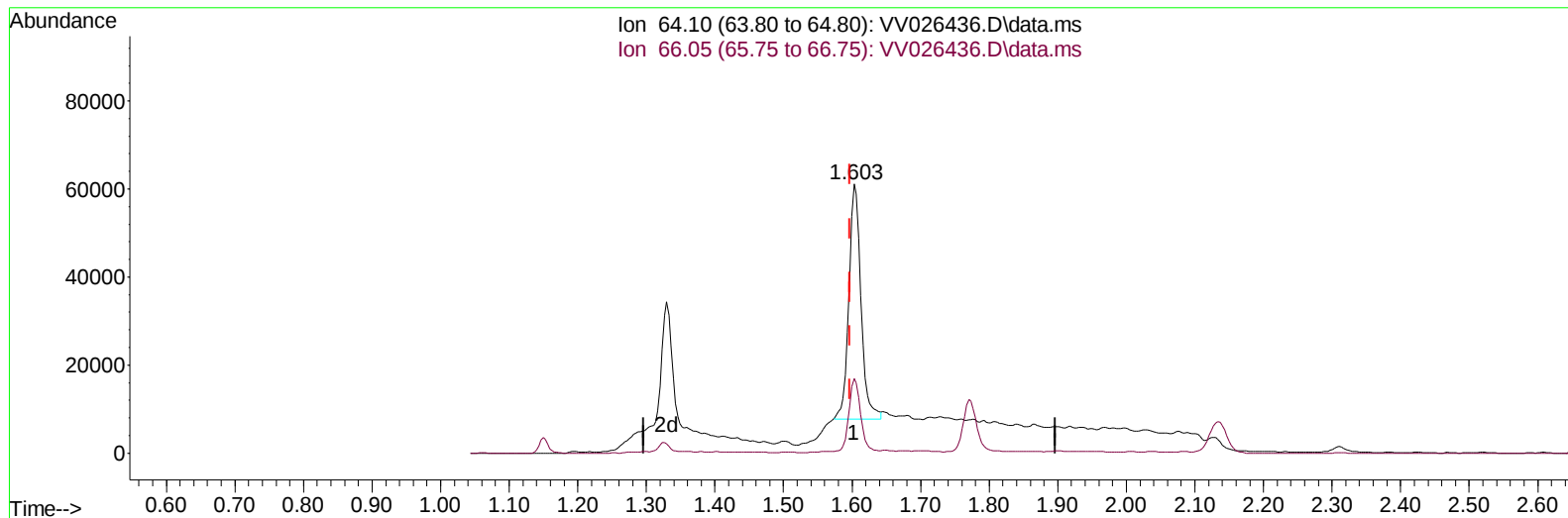
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Operator : SY/MD
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Manual Integrations
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Response via : Initial Calibration



TIC: VV026436.D\data.ms

(8) Chloroethane (T)

1.603min (+ 0.006) 4.97 ug/L m

response 65149

Ion	Exp%	Act%
64.10	100.00	100.00
66.05	34.40	27.69
0.00	0.00	0.00
0.00	0.00	0.00

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	244417	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	219999	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	108142	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.326	65	84439	3.977	ug/L	0.00
Spiked Amount 5.000	Range 40	- 130	Recovery	=	79.600%	
7) Chloroethane-d5	1.587	69	72274	4.330	ug/L	0.00
Spiked Amount 5.000	Range 65	- 130	Recovery	=	86.600%	
11) 1,1-Dichloroethene-d2	2.127	63	158071	4.336	ug/L	0.00
Spiked Amount 5.000	Range 60	- 125	Recovery	=	86.800%	
20) 2-Butanone-d5	3.934	46	92954	44.873	ug/L	0.02
Spiked Amount 50.000	Range 40	- 130	Recovery	=	89.740%	
24) Chloroform-d	4.362	84	162448	5.221	ug/L	0.00
Spiked Amount 5.000	Range 70	- 125	Recovery	=	104.400%	
26) 1,2-Dichloroethane-d4	5.043	65	61701	4.687	ug/L	0.00
Spiked Amount 5.000	Range 70	- 130	Recovery	=	93.800%	
32) Benzene-d6	5.059	84	326058	5.544	ug/L	0.00
Spiked Amount 5.000	Range 70	- 125	Recovery	=	110.800%	
36) 1,2-Dichloropropane-d6	6.072	67	90550	5.275	ug/L	0.00
Spiked Amount 5.000	Range 60	- 140	Recovery	=	105.400%	
41) Toluene-d8	7.317	98	306763	5.720	ug/L	0.00
Spiked Amount 5.000	Range 70	- 130	Recovery	=	114.400%	
43) trans-1,3-Dichloroprop...	7.625	79	21232	3.814	ug/L	0.00
Spiked Amount 5.000	Range 55	- 130	Recovery	=	76.200%	
46) 2-Hexanone-d5	8.091	63	81255	48.324	ug/L	0.00
Spiked Amount 50.000	Range 45	- 130	Recovery	=	96.640%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	55132	5.214	ug/L	0.00
Spiked Amount 5.000	Range 65	- 120	Recovery	=	104.200%	
66) 1,2-Dichlorobenzene-d4	11.622	152	89988	5.402	ug/L	0.00
Spiked Amount 5.000	Range 80	- 120	Recovery	=	108.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.150	85	80382	4.398	ug/L	100
3) Chloromethane	1.259	50	79184	3.902	ug/L	99
5) Vinyl chloride	1.330	62	88622	4.200	ug/L	87
6) Bromomethane	1.542	94	45039	3.820	ug/L	98
8) Chloroethane	1.603	64	65149m	4.974	ug/L	
9) Trichlorofluoromethane	1.770	101	129999	4.464	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.134	101	74697	4.423	ug/L	99
12) 1,1-Dichloroethene	2.137	96	71991	4.662	ug/L	97
13) Acetone	2.230	43	55458	34.546	ug/L	76
14) Carbon disulfide	2.310	76	166502	4.373	ug/L	96
15) Methyl Acetate	2.468	43	16145	4.192	ug/L	98
16) Methylene chloride	2.526	84	79096	4.015	ug/L	96
17) Methyl tert-butyl Ether	2.789	73	138494	5.216	ug/L	99
18) trans-1,2-Dichloroethene	2.777	96	73728	4.923	ug/L	98
19) 1,1-Dichloroethane	3.204	63	144875	5.072	ug/L	98
21) 2-Butanone	4.024	43	90474	43.555	ug/L	94
22) cis-1,2-Dichloroethene	3.928	96	82238	5.427	ug/L	95
23) Bromochloromethane	4.262	128	32007	4.978	ug/L	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.387	83	149800	4.835	ug/L	98
27) 1,2-Dichloroethane	5.140	62	66268	4.699	ug/L	99
29) 1,1,1-Trichloroethane	4.616	97	131176	5.396	ug/L	98
30) Cyclohexane	4.686	56	96501	5.308	ug/L	99
31) Carbon tetrachloride	4.838	117	106807	5.188	ug/L	99
33) Benzene	5.108	78	311813	5.528	ug/L	100
34) Trichloroethene	5.918	95	78546	5.101	ug/L	98
35) Methylcyclohexane	6.133	83	105214	4.939	ug/L	96
37) 1,2-Dichloropropane	6.178	63	77690	5.266	ug/L	98
38) Bromodichloromethane	6.513	83	93339	5.216	ug/L	98
39) cis-1,3-Dichloropropene	7.030	75	71778	4.263	ug/L	97
40) 4-Methyl-2-pentanone	7.230	43	261780	48.261	ug/L	95
42) Toluene	7.387	91	336163	5.667	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	54953	4.087	ug/L	94
45) 1,1,2-Trichloroethane	7.841	97	48058	4.963	ug/L	94
47) Tetrachloroethene	7.976	164	61255	5.370	ug/L	97
48) 2-Hexanone	8.140	43	168320	43.311	ug/L	96
49) Dibromochloromethane	8.246	129	52441	4.890	ug/L	97
50) 1,2-Dibromoethane	8.352	107	42582	5.161	ug/L	99
51) Chlorobenzene	8.879	112	213507	5.512	ug/L	99
52) Ethylbenzene	9.011	91	343897	5.783	ug/L	99
53) m,p-Xylene	9.136	106	134270	5.792	ug/L	95
54) o-Xylene	9.542	106	129971	5.788	ug/L	98
55) Styrene	9.561	104	218701	5.799	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.239	83	53699	5.467	ug/L	97
59) Bromoform	9.731	173	22018	4.637	ug/L	100
60) Isopropylbenzene	9.931	105	350412	6.078	ug/L	99
61) 1,2,3-Trichloropropane	10.271	75	35759	5.096	ug/L	96
62) 1,3,5-Trimethylbenzene	10.538	105	268716	5.874	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	275090	6.075	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	163178	5.760	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	160209	5.565	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	140206	5.588	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	6327	5.090	ug/L	90
69) 1,3,5-Trichlorobenzene	12.641	180	112218	5.479	ug/L	99
70) 1,2,4-trichlorobenzene	13.258	180	80813	5.349	ug/L	98
71) Naphthalene	13.500	128	107617	5.131	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	67623	5.347	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

