

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022116.D
 Acq On : 01 May 2025 18:46
 Operator : SY/MD
 Sample : Q1914-11MSD
 Misc : 7.73g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-8MSD

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/05/2025
 Supervised By : Mahesh Dadoda 05/05/2025

Quant Time: May 02 01:32:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	321965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	519584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	313382	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	398456m	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	145376	48.883	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.760%
35) Dibromofluoromethane	7.634	113	171751	50.035	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.060%
50) Toluene-d8	10.109	98	994087	76.816	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	153.640%#
62) 4-Bromofluorobenzene	12.401	95	732478	168.135	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	336.260%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	169287	61.706	ug/l	97
3) Chloromethane	2.068	50	198857	50.905	ug/l	99
4) Vinyl Chloride	2.202	62	242510	50.519	ug/l	99
5) Bromomethane	2.598	94	182544	44.138	ug/l	97
6) Chloroethane	2.738	64	161289	49.334	ug/l	97
7) Trichlorofluoromethane	3.055	101	327892	51.799	ug/l	96
8) Diethyl Ether	3.458	74	102320	62.104	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.817	101	145394	42.341	ug/l	94
10) Methyl Iodide	4.006	142	283974	71.427	ug/l	98
11) Tert butyl alcohol	4.866	59	48758	298.641	ug/l	# 70
12) 1,1-Dichloroethene	3.787	96	195345	61.032	ug/l	97
13) Acrolein	3.653	56	31852	108.698	ug/l	99
14) Allyl chloride	4.384	41	221038	59.310	ug/l	98
15) Acrylonitrile	5.061	53	169189	280.504	ug/l	97
16) Acetone	3.872	43	160583	427.713	ug/l	96
17) Carbon Disulfide	4.104	76	474845	46.529	ug/l	99
18) Methyl Acetate	4.384	43	106448	76.626	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	460759	64.318	ug/l	# 53
20) Methylene Chloride	4.616	84	228413	60.741	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	200489	55.932	ug/l	99
22) Diisopropyl ether	6.024	45	473393	57.079	ug/l	96
23) Vinyl Acetate	5.963	43	681136m	152.388	ug/l	
24) 1,1-Dichloroethane	5.914	63	337664	58.736	ug/l	98
25) 2-Butanone	6.890	43	200457	295.705	ug/l	100
26) 2,2-Dichloropropane	6.884	77	254691	50.547	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	239916	59.858	ug/l	96
28) Bromochloromethane	7.243	49	118270	52.966	ug/l	89
29) Tetrahydrofuran	7.262	42	116016	263.505	ug/l	93
30) Chloroform	7.420	83	358724	56.255	ug/l	98
31) Cyclohexane	7.701	56	1038730	211.291	ug/l	96
32) 1,1,1-Trichloroethane	7.621	97	274489	47.579	ug/l	99
36) 1,1-Dichloropropene	7.835	75	182624	39.607	ug/l	98
37) Ethyl Acetate	6.987	43	80140	48.393	ug/l	# 96
38) Carbon Tetrachloride	7.823	117	211604	38.405	ug/l	97
39) Methylcyclohexane	9.109	83	5524712	952.103	ug/l	96
40) Benzene	8.079	78	956992	66.395	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	41694	46.057	ug/l #	81
42) 1,2-Dichloroethane	8.158	62	188807	52.907	ug/l #	71
43) Isopropyl Acetate	8.195	43	272059	85.546	ug/l #	83
44) Trichloroethene	8.865	130	162469	40.695	ug/l	100
45) 1,2-Dichloropropane	9.139	63	199420	62.563	ug/l	91
46) Dibromomethane	9.231	93	97217	48.722	ug/l	92
47) Bromodichloromethane	9.420	83	283525	56.879	ug/l	99
48) Methyl methacrylate	9.219	41	64943	44.173	ug/l #	87
49) 1,4-Dioxane	9.225	88	22507	1058.294	ug/l #	69
51) 4-Methyl-2-Pentanone	9.999	43	441631	264.904	ug/l	98
52) Toluene	10.170	92	5889121	631.195	ug/l	94
53) t-1,3-Dichloropropene	10.395	75	198743	46.483	ug/l	93
54) cis-1,3-Dichloropropene	9.859	75	244107	48.029	ug/l #	83
55) 1,1,2-Trichloroethane	10.548	97	3417196	1282.090	ug/l #	21
56) Ethyl methacrylate	10.450	69	1222245	401.003	ug/l #	67
57) 1,3-Dichloropropane	10.718	76	203245	47.566	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	403206	270.562	ug/l	98
59) 2-Hexanone	10.737	43	2730417	2483.061	ug/l #	18
60) Dibromochloromethane	10.914	129	162273	43.975	ug/l	83
61) 1,2-Dibromoethane	11.017	107	118844	47.231	ug/l	89
64) Tetrachloroethene	10.645	164	87487	29.593	ug/l	97
65) Chlorobenzene	11.444	112	329535	47.023	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	129485	52.482	ug/l	99
67) Ethyl Benzene	11.517	91	18528564	1616.239	ug/l #	54
68) m/p-Xylenes	11.621	106	22839702m	5006.751	ug/l	
69) o-Xylene	11.950	106	17986926	4277.987	ug/l #	1
70) Styrene	11.962	104	1682772	238.369	ug/l #	1
71) Bromoform	12.133	173	88904	61.979	ug/l #	99
73) Isopropylbenzene	12.261	105	8599257	323.025	ug/l	98
74) N-amyl acetate	12.060	43	6167681	1348.493	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.462	83	877071	195.416	ug/l #	15
76) 1,2,3-Trichloropropane	12.560	75	148207	43.425	ug/l #	100
77) Bromobenzene	12.535	156	125890	18.715	ug/l #	19
78) n-propylbenzene	12.590	91	19012528	599.714	ug/l #	72
79) 2-Chlorotoluene	12.669	91	15828654	858.524	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.736	105	18265916	832.754	ug/l	74
81) trans-1,4-Dichloro-2-b...	12.304	75	41151	29.036	ug/l #	1
82) 4-Chlorotoluene	12.749	91	2468473	128.795	ug/l #	46
83) tert-Butylbenzene	13.005	119	246795m	12.546	ug/l	
84) 1,2,4-Trimethylbenzene	13.035	105	25899369m	1180.498	ug/l	
85) sec-Butylbenzene	13.181	105	10672551	370.757	ug/l	82
86) p-Isopropyltoluene	13.297	119	6381079	261.054	ug/l	97
87) 1,3-Dichlorobenzene	13.291	146	141913	10.387	ug/l #	1
88) 1,4-Dichlorobenzene	13.370	146	151433	11.192	ug/l #	1
89) n-Butylbenzene	13.626	91	10127578	463.538	ug/l #	65
90) Hexachloroethane	13.901	117	2571936	478.904	ug/l #	12
91) 1,2-Dichlorobenzene	13.663	146	134803	11.313	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.261	75	94352	132.134	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.919	180	17698	2.621	ug/l #	75
95) Naphthalene	15.145	128	2827247	252.046	ug/l	99
96) 1,2,3-Trichlorobenzene	15.352	180	18935	3.248	ug/l #	1

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

