

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022165.D
 Acq On : 05 May 2025 17:28
 Operator : SY/MD
 Sample : Q1956-03MS
 Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB2-4-5MS

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025

Quant Time: May 06 05:23:11 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	168734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	261635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	242756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87078	55.871	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.740%			
35) Dibromofluoromethane	7.640	113	100339	58.050	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.100%			
50) Toluene-d8	10.109	98	396003	60.770	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 121.540%			
62) 4-Bromofluorobenzene	12.407	95	121880	55.559	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.860	85	64403	44.794	ug/l	98
3) Chloromethane	2.068	50	101808	49.729	ug/l	99
4) Vinyl Chloride	2.202	62	134578	53.494	ug/l	98
5) Bromomethane	2.598	94	98663	45.520	ug/l	99
6) Chloroethane	2.738	64	97444	56.873	ug/l	99
7) Trichlorofluoromethane	3.055	101	168454	50.779	ug/l	97
8) Diethyl Ether	3.452	74	41749	48.351	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.817	101	87882	48.834	ug/l	98
10) Methyl Iodide	4.000	142	93558	44.903	ug/l	97
11) Tert butyl alcohol	4.860	59	21028	245.758	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	82715	49.311	ug/l	94
13) Acrolein	3.653	56	6064	39.487	ug/l	99
14) Allyl chloride	4.384	41	99984	51.191	ug/l	97
15) Acrylonitrile	5.061	53	77160	244.099	ug/l	99
16) Acetone	3.866	43	59424	295.145	ug/l	97
17) Carbon Disulfide	4.104	76	240695	45.004	ug/l	99
18) Methyl Acetate	4.384	43	68982	94.750	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	195526	52.080	ug/l	98
20) Methylene Chloride	4.610	84	100553	51.022	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	96659	51.453	ug/l	98
22) Diisopropyl ether	6.018	45	246686	56.755	ug/l	97
23) Vinyl Acetate	5.963	43	193767	82.719	ug/l	98
24) 1,1-Dichloroethane	5.915	63	168456	55.913	ug/l	98
25) 2-Butanone	6.896	43	88333	248.638	ug/l	96
26) 2,2-Dichloropropane	6.884	77	128714	48.744	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	113018	53.805	ug/l	97
28) Bromochloromethane	7.244	49	69980	59.800	ug/l	93
29) Tetrahydrofuran	7.262	42	59162	256.401	ug/l	99
30) Chloroform	7.420	83	185485	55.503	ug/l	100
31) Cyclohexane	7.701	56	128542	49.892	ug/l	94
32) 1,1,1-Trichloroethane	7.615	97	161659	53.468	ug/l	98
36) 1,1-Dichloropropene	7.835	75	123882	53.355	ug/l	99
37) Ethyl Acetate	6.988	43	36766	44.090	ug/l	96
38) Carbon Tetrachloride	7.817	117	145495	52.441	ug/l	98
39) Methylcyclohexane	9.109	83	145637	49.843	ug/l	94
40) Benzene	8.079	78	403142	55.545	ug/l	98

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41) Methacrylonitrile	7.213	41	21185m	46.474	ug/l	
42) 1,2-Dichloroethane	8.158	62	96918	53.934	ug/l	99
43) Isopropyl Acetate	8.195	43	77574	48.441	ug/l	98
44) Trichloroethene	8.865	130	103268	51.368	ug/l	94
45) 1,2-Dichloropropane	9.140	63	91383	56.934	ug/l	98
46) Dibromomethane	9.231	93	51622	51.378	ug/l	97
47) Bromodichloromethane	9.426	83	140280	55.888	ug/l	98
48) Methyl methacrylate	9.225	41	41280	55.760	ug/l	99
49) 1,4-Dioxane	9.225	88	9574	894.009	ug/l #	95
51) 4-Methyl-2-Pentanone	9.999	43	227640	271.167	ug/l	97
52) Toluene	10.170	92	270455	57.566	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	107817	50.078	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	128269	50.119	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	70904	52.830	ug/l	99
56) Ethyl methacrylate	10.438	69	67812	44.183	ug/l	96
57) 1,3-Dichloropropane	10.719	76	116274	54.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	184366	245.686	ug/l	99
59) 2-Hexanone	10.761	43	147026	265.529	ug/l	97
60) Dibromochloromethane	10.914	129	97320	52.375	ug/l	99
61) 1,2-Dibromoethane	11.017	107	64620	51.000	ug/l	98
64) Tetrachloroethene	10.645	164	119916	52.363	ug/l	95
65) Chlorobenzene	11.444	112	278330	51.271	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	102401	53.580	ug/l	99
67) Ethyl Benzene	11.517	91	485649	54.688	ug/l	97
68) m/p-Xylenes	11.627	106	391072	110.669	ug/l	100
69) o-Xylene	11.956	106	176678	54.246	ug/l	99
70) Styrene	11.968	104	216048	39.507	ug/l	95
71) Bromoform	12.133	173	53844	48.458	ug/l #	99
73) Isopropylbenzene	12.255	105	459729	54.870	ug/l	100
74) N-amyl acetate	12.072	43	47297	32.856	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	72724	51.483	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	54622m	50.850	ug/l	
77) Bromobenzene	12.529	156	105479	49.822	ug/l	96
78) n-propylbenzene	12.596	91	544686	54.590	ug/l	99
79) 2-Chlorotoluene	12.682	91	308315	53.133	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	374123	54.194	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	17141	38.428	ug/l	91
82) 4-Chlorotoluene	12.779	91	317135	52.574	ug/l	99
83) tert-Butylbenzene	12.999	119	336016	54.272	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	374398	54.221	ug/l	100
85) sec-Butylbenzene	13.175	105	478604	52.827	ug/l	100
86) p-Isopropyltoluene	13.291	119	394727	51.309	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	200543	46.638	ug/l	99
88) 1,4-Dichlorobenzene	13.364	146	199946	46.950	ug/l	99
89) n-Butylbenzene	13.614	91	324369	47.171	ug/l	99
90) Hexachloroethane	13.877	117	85072	50.331	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	176281	47.003	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	10770	47.922	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	68068	32.028	ug/l	99
94) Hexachlorobutadiene	15.023	225	40649	31.087	ug/l	98
95) Naphthalene	15.145	128	117453	33.269	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	55700	30.362	ug/l	98

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

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