

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
 Data File : VY023041.D
 Acq On : 22 Jul 2025 13:15
 Operator : SY/MD
 Sample : VY0722SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBS01

Quant Time: Jul 23 02:02:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/23/2025
 Supervised By :Semsettin Yesilyurt 07/23/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	375622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	613647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	526729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	248731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	197300	51.886	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.780%			
35) Dibromofluoromethane	7.634	113	187477	48.163	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.320%			
50) Toluene-d8	10.103	98	735834	47.668	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.340%			
62) 4-Bromofluorobenzene	12.401	95	224716	46.246	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	64625	20.262	ug/l	99
3) Chloromethane	2.068	50	120365	22.194	ug/l	96
4) Vinyl Chloride	2.202	62	147035	21.400	ug/l	99
5) Bromomethane	2.592	94	122113	24.626	ug/l	96
6) Chloroethane	2.732	64	103503	22.556	ug/l	99
7) Trichlorofluoromethane	3.056	101	169502	21.252	ug/l	99
8) Diethyl Ether	3.458	74	44818	21.470	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	85113	20.314	ug/l	100
10) Methyl Iodide	4.000	142	80838	18.572	ug/l	100
11) Tert butyl alcohol	4.866	59	23401	101.758	ug/l #	91
12) 1,1-Dichloroethene	3.787	96	78947	19.780	ug/l	96
13) Acrolein	3.653	56	15631	144.648	ug/l	99
14) Allyl chloride	4.385	41	121823	20.034	ug/l	98
15) Acrylonitrile	5.061	53	87584	110.772	ug/l	100
16) Acetone	3.866	43	73897	107.209	ug/l	94
17) Carbon Disulfide	4.104	76	248249	20.522	ug/l	99
18) Methyl Acetate	4.385	43	48142	20.630	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	198573	20.742	ug/l	98
20) Methylene Chloride	4.610	84	121148	19.986	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	90038	20.265	ug/l	98
22) Diisopropyl ether	6.018	45	273264	21.183	ug/l	99
23) Vinyl Acetate	5.957	43	710980	109.381	ug/l	100
24) 1,1-Dichloroethane	5.909	63	169906	20.969	ug/l	99
25) 2-Butanone	6.890	43	106307	107.508	ug/l	99
26) 2,2-Dichloropropane	6.878	77	140716	19.816	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	102264	19.972	ug/l	98
28) Bromochloromethane	7.244	49	68164	21.690	ug/l	94
29) Tetrahydrofuran	7.262	42	70116	111.997	ug/l	98
30) Chloroform	7.421	83	173643	21.244	ug/l	96
31) Cyclohexane	7.701	56	148601	19.628	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	149833	20.203	ug/l	98
36) 1,1-Dichloropropene	7.835	75	121412	19.801	ug/l	98
37) Ethyl Acetate	6.982	43	49937	21.929	ug/l	98
38) Carbon Tetrachloride	7.817	117	131284	19.708	ug/l	99
39) Methylcyclohexane	9.109	83	152114	19.167	ug/l	96
40) Benzene	8.079	78	376219	20.379	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	25088	20.224	ug/l	95
42) 1,2-Dichloroethane	8.158	62	100697	21.924	ug/l	100
43) Isopropyl Acetate	8.195	43	96290	21.287	ug/l #	86
44) Trichloroethene	8.865	130	92271	19.459	ug/l	99
45) 1,2-Dichloropropane	9.140	63	89804	20.830	ug/l	94
46) Dibromomethane	9.231	93	47257	21.207	ug/l	98
47) Bromodichloromethane	9.420	83	128012	20.782	ug/l	98
48) Methyl methacrylate	9.219	41	47074	21.556	ug/l	99
49) 1,4-Dioxane	9.231	88	10019	426.533	ug/l	88
51) 4-Methyl-2-Pentanone	9.999	43	246169	107.221	ug/l	99
52) Toluene	10.170	92	233838	20.373	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	108625	20.543	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	130824	20.527	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	63504	21.682	ug/l	98
56) Ethyl methacrylate	10.438	69	74103	20.268	ug/l	99
57) 1,3-Dichloropropane	10.713	76	108066	21.359	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	186783	104.362	ug/l	98
59) 2-Hexanone	10.761	43	158231	104.848	ug/l	99
60) Dibromochloromethane	10.908	129	80404	20.964	ug/l	100
61) 1,2-Dibromoethane	11.011	107	56754	21.338	ug/l	100
64) Tetrachloroethene	10.646	164	106921	19.859	ug/l	96
65) Chlorobenzene	11.438	112	242556	19.515	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	83368	19.665	ug/l	100
67) Ethyl Benzene	11.517	91	424937	19.288	ug/l	100
68) m/p-Xylenes	11.627	106	330122	39.067	ug/l	100
69) o-Xylene	11.950	106	150342	19.171	ug/l	98
70) Styrene	11.969	104	249690	19.438	ug/l	100
71) Bromoform	12.127	173	44325	20.596	ug/l #	99
73) Isopropylbenzene	12.255	105	394370	18.701	ug/l	100
74) N-amyl acetate	12.066	43	80058	20.136	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	61012	19.993	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	63735m	20.564	ug/l	
77) Bromobenzene	12.529	156	88481	19.346	ug/l	99
78) n-propylbenzene	12.590	91	483609	19.258	ug/l	100
79) 2-Chlorotoluene	12.676	91	273314	19.351	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	317558	19.093	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	20628	19.823	ug/l	99
82) 4-Chlorotoluene	12.773	91	274300	19.256	ug/l	100
83) tert-Butylbenzene	12.993	119	289452	19.267	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	314405	19.204	ug/l	99
85) sec-Butylbenzene	13.170	105	428098	19.015	ug/l	99
86) p-Isopropyltoluene	13.291	119	343222	18.771	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	177956	19.280	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	171979	19.260	ug/l	99
89) n-Butylbenzene	13.615	91	319430	18.932	ug/l	99
90) Hexachloroethane	13.877	117	74116	19.578	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	151648	19.478	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9806	21.641	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	77286	18.832	ug/l	99
94) Hexachlorobutadiene	15.017	225	48706	18.825	ug/l	99
95) Naphthalene	15.139	128	125407	19.052	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	65763	19.407	ug/l	99

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

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