

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022949.D
 Acq On : 07 Jul 2025 10:40
 Operator : SY/MD
 Sample : VY0707SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0707SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/08/2025
 Supervised By :Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 01:43:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	433247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	718134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	614643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	290747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	231776	47.932	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.860%		
35) Dibromofluoromethane	7.634	113	220306	50.444	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.880%		
50) Toluene-d8	10.103	98	868411	50.110	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.220%		
62) 4-Bromofluorobenzene	12.401	95	269424	48.361	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	75960	20.504	ug/l	99
3) Chloromethane	2.068	50	136274	19.263	ug/l	100
4) Vinyl Chloride	2.202	62	165588	18.736	ug/l	99
5) Bromomethane	2.592	94	132233	19.031	ug/l	94
6) Chloroethane	2.732	64	114099	19.206	ug/l	97
7) Trichlorofluoromethane	3.055	101	188104	19.221	ug/l	99
8) Diethyl Ether	3.458	74	50896	21.057	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	97404	21.780	ug/l	96
10) Methyl Iodide	4.007	142	102424	21.035	ug/l	100
11) Tert butyl alcohol	4.866	59	29023	90.267	ug/l	97
12) 1,1-Dichloroethene	3.787	96	92013	20.982	ug/l	97
13) Acrolein	3.653	56	29317	67.242	ug/l	98
14) Allyl chloride	4.385	41	148167	21.967	ug/l	90
15) Acrylonitrile	5.055	53	101802	100.947	ug/l	99
16) Acetone	3.866	43	133315	145.868	ug/l	99
17) Carbon Disulfide	4.104	76	293748	20.735	ug/l	98
18) Methyl Acetate	4.385	43	51399	16.982	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	235224	19.699	ug/l	94
20) Methylene Chloride	4.616	84	198611	34.411	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	102778	20.507	ug/l	97
22) Diisopropyl ether	6.018	45	321837	21.485	ug/l	99
23) Vinyl Acetate	5.963	43	862523	104.257	ug/l	100
24) 1,1-Dichloroethane	5.915	63	193208	21.353	ug/l	99
25) 2-Butanone	6.896	43	157810	118.639	ug/l	96
26) 2,2-Dichloropropane	6.884	77	165898	21.873	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	120137	20.628	ug/l	99
28) Bromochloromethane	7.244	49	81809	21.507	ug/l	98
29) Tetrahydrofuran	7.262	42	81619	97.173	ug/l	99
30) Chloroform	7.421	83	194391	20.859	ug/l	96
31) Cyclohexane	7.701	56	174791	21.045	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	171327	21.274	ug/l	99
36) 1,1-Dichloropropene	7.835	75	139648	21.095	ug/l	99
37) Ethyl Acetate	6.988	43	58380	20.437	ug/l #	98
38) Carbon Tetrachloride	7.817	117	147333	21.093	ug/l	98
39) Methylcyclohexane	9.109	83	179844	20.993	ug/l	99
40) Benzene	8.079	78	434488	21.348	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	28815	16.385	ug/l	92
42) 1,2-Dichloroethane	8.158	62	113244	20.305	ug/l	99
43) Isopropyl Acetate	8.195	43	115734	19.494	ug/l	97
44) Trichloroethene	8.865	130	107816	21.099	ug/l	98
45) 1,2-Dichloropropane	9.140	63	103546	21.737	ug/l	97
46) Dibromomethane	9.231	93	55174	20.404	ug/l	97
47) Bromodichloromethane	9.420	83	144602	20.737	ug/l	96
48) Methyl methacrylate	9.219	41	55830	19.561	ug/l	93
49) 1,4-Dioxane	9.231	88	12191	381.591	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	298569	98.961	ug/l	97
52) Toluene	10.170	92	268277	20.893	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	126670	20.190	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	155514	21.378	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	70925	20.256	ug/l	97
56) Ethyl methacrylate	10.438	69	89776	19.057	ug/l	95
57) 1,3-Dichloropropane	10.713	76	123778	20.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	230148	102.787	ug/l	99
59) 2-Hexanone	10.755	43	224430	109.413	ug/l	99
60) Dibromochloromethane	10.908	129	91255	20.177	ug/l	99
61) 1,2-Dibromoethane	11.011	107	65132	19.878	ug/l	96
64) Tetrachloroethene	10.646	164	124440	21.431	ug/l	95
65) Chlorobenzene	11.438	112	282506	20.918	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	94791	20.722	ug/l	100
67) Ethyl Benzene	11.517	91	490175	20.657	ug/l	99
68) m/p-Xylenes	11.627	106	379687	41.392	ug/l	99
69) o-Xylene	11.950	106	173849	20.114	ug/l	99
70) Styrene	11.969	104	290400	20.058	ug/l	100
71) Bromoform	12.127	173	49730	19.524	ug/l #	99
73) Isopropylbenzene	12.249	105	457080	21.257	ug/l	99
74) N-amyl acetate	12.066	43	97556	20.212	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	72835	21.017	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	62660m	21.110	ug/l	
77) Bromobenzene	12.529	156	103077	21.149	ug/l	100
78) n-propylbenzene	12.590	91	563934	21.722	ug/l	99
79) 2-Chlorotoluene	12.676	91	313758	21.391	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	367656	21.180	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	23582	20.071	ug/l	94
82) 4-Chlorotoluene	12.773	91	323320	20.985	ug/l	100
83) tert-Butylbenzene	12.993	119	322802	21.086	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	367381	21.139	ug/l	99
85) sec-Butylbenzene	13.170	105	498333	21.635	ug/l	99
86) p-Isopropyltoluene	13.285	119	401065	20.924	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	207469	21.195	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	204498	21.032	ug/l	99
89) n-Butylbenzene	13.615	91	381846	21.179	ug/l	99
90) Hexachloroethane	13.877	117	82643	21.648	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	179444	20.802	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10984	18.690	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	95894	19.689	ug/l	98
94) Hexachlorobutadiene	15.023	225	56654	20.571	ug/l	98
95) Naphthalene	15.139	128	160783	18.255	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	83092	19.743	ug/l	99

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

