

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
 Data File : VY023777.D
 Acq On : 13 Nov 2025 11:09
 Operator : SY/MD
 Sample : VY1113SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1113SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 04:24:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	571249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	854908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	744787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	370605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	252195	51.755	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.520%			
35) Dibromofluoromethane	7.634	113	275464	51.560	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.120%			
50) Toluene-d8	10.103	98	1051858	52.853	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.700%			
62) 4-Bromofluorobenzene	12.402	95	342483	53.214	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	82044	21.880	ug/l	99
3) Chloromethane	2.074	50	105950	20.191	ug/l	99
4) Vinyl Chloride	2.208	62	132501	19.405	ug/l	97
5) Bromomethane	2.592	94	106704	18.578	ug/l	98
6) Chloroethane	2.733	64	89145	18.890	ug/l	98
7) Trichlorofluoromethane	3.056	101	193519	20.123	ug/l	97
8) Diethyl Ether	3.458	74	50893	19.735	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	112004	21.139	ug/l	99
10) Methyl Iodide	4.007	142	112238	17.939	ug/l	99
11) Tert butyl alcohol	4.848	59	39520	125.779	ug/l #	94
12) 1,1-Dichloroethene	3.787	96	104144	20.405	ug/l	94
13) Acrolein	3.653	56	31573	78.180	ug/l	97
14) Allyl chloride	4.385	41	128784	20.730	ug/l	95
15) Acrylonitrile	5.061	53	99415	100.875	ug/l	99
16) Acetone	3.866	43	133888	110.538	ug/l	96
17) Carbon Disulfide	4.104	76	321723	20.538	ug/l	99
18) Methyl Acetate	4.385	43	41752	15.628	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	229916	19.427	ug/l	99
20) Methylene Chloride	4.616	84	118437	20.255	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	118069	20.517	ug/l	97
22) Diisopropyl ether	6.019	45	296346	21.408	ug/l	96
23) Vinyl Acetate	5.964	43	773184	104.667	ug/l	100
24) 1,1-Dichloroethane	5.915	63	192988	20.927	ug/l	99
25) 2-Butanone	6.896	43	148847	106.288	ug/l	99
26) 2,2-Dichloropropane	6.884	77	177700	20.948	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	132037	20.089	ug/l	98
28) Bromochloromethane	7.244	49	74503	21.100	ug/l	94
29) Tetrahydrofuran	7.262	42	72197	96.803	ug/l	98
30) Chloroform	7.421	83	211322	20.538	ug/l	99
31) Cyclohexane	7.701	56	168746	21.012	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	189251	20.580	ug/l	100
36) 1,1-Dichloropropene	7.835	75	147160	20.613	ug/l	99
37) Ethyl Acetate	6.982	43	55692	20.151	ug/l	99
38) Carbon Tetrachloride	7.817	117	171022	20.332	ug/l	97
39) Methylcyclohexane	9.109	83	180758	19.816	ug/l	96
40) Benzene	8.079	78	464263	20.631	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	25322m	16.786	ug/l	
42) 1,2-Dichloroethane	8.152	62	111254	19.542	ug/l	99
43) Isopropyl Acetate	8.195	43	99669	19.194	ug/l	99
44) Trichloroethene	8.866	130	124906	19.325	ug/l	96
45) 1,2-Dichloropropane	9.140	63	102474	20.633	ug/l	99
46) Dibromomethane	9.231	93	59853	19.450	ug/l	97
47) Bromodichloromethane	9.420	83	157413	20.289	ug/l	98
48) Methyl methacrylate	9.219	41	46318	18.879	ug/l	96
49) 1,4-Dioxane	9.231	88	12032	382.065	ug/l	92
51) 4-Methyl-2-Pentanone	10.000	43	268785	97.332	ug/l	99
52) Toluene	10.170	92	296348	20.627	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	128802	19.620	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	156760	19.931	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	81084	19.717	ug/l	96
56) Ethyl methacrylate	10.438	69	85612	18.895	ug/l	100
57) 1,3-Dichloropropane	10.713	76	129649	19.876	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	204228	98.226	ug/l	98
59) 2-Hexanone	10.762	43	203510	101.011	ug/l	99
60) Dibromochloromethane	10.908	129	109344	19.351	ug/l	100
61) 1,2-Dibromoethane	11.012	107	74118	19.205	ug/l	100
64) Tetrachloroethene	10.646	164	147823	19.069	ug/l	98
65) Chlorobenzene	11.438	112	323200	19.933	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	112867	19.686	ug/l	99
67) Ethyl Benzene	11.518	91	527652	20.107	ug/l	97
68) m/p-Xylenes	11.627	106	426889	40.716	ug/l	99
69) o-Xylene	11.950	106	191040	19.711	ug/l	97
70) Styrene	11.969	104	319808	19.999	ug/l	99
71) Bromoform	12.127	173	63439	18.945	ug/l #	98
73) Isopropylbenzene	12.255	105	503084	20.296	ug/l	100
74) N-amyl acetate	12.066	43	83057	19.792	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	80572	20.353	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	57357m	19.123	ug/l	
77) Bromobenzene	12.530	156	127235	19.789	ug/l	95
78) n-propylbenzene	12.591	91	605532	20.769	ug/l	99
79) 2-Chlorotoluene	12.676	91	350932	20.742	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	415196	20.617	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	24733	18.636	ug/l	99
82) 4-Chlorotoluene	12.773	91	361606	20.725	ug/l	99
83) tert-Butylbenzene	12.993	119	365003	19.900	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	409365	20.523	ug/l	100
85) sec-Butylbenzene	13.176	105	538142	20.341	ug/l	100
86) p-Isopropyltoluene	13.292	119	449740	20.081	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	251073	19.840	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	245279	19.732	ug/l	98
89) n-Butylbenzene	13.615	91	397748	20.424	ug/l	99
90) Hexachloroethane	13.877	117	100331	20.846	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	213329	19.562	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12030	19.736	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	139193	22.314	ug/l	98
94) Hexachlorobutadiene	15.023	225	96394	23.585	ug/l	100
95) Naphthalene	15.139	128	202867	21.907	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	122243	23.455	ug/l	99

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

