

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023623.D
 Acq On : 30 Oct 2025 11:09
 Operator : SY/MD
 Sample : VY1030SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/31/2025
 Supervised By :Mahesh Dadoda 10/31/2025

Quant Time: Oct 31 02:36:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	451310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	657731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	578799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	300735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	199138	52.767	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.540%			
35) Dibromofluoromethane	7.640	113	218654	54.103	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.200%			
50) Toluene-d8	10.109	98	798548	53.057	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.120%			
62) 4-Bromofluorobenzene	12.408	95	257937	51.909	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	71368	21.970	ug/l	95
3) Chloromethane	2.074	50	91896	20.766	ug/l	98
4) Vinyl Chloride	2.208	62	122806	21.306	ug/l	99
5) Bromomethane	2.598	94	101637	21.012	ug/l	96
6) Chloroethane	2.739	64	86759	22.082	ug/l	99
7) Trichlorofluoromethane	3.062	101	178519	22.306	ug/l	100
8) Diethyl Ether	3.458	74	45607	21.809	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	99620	23.988	ug/l	99
10) Methyl Iodide	4.007	142	109664	23.720	ug/l	99
11) Tert butyl alcohol	4.854	59	27835	99.142	ug/l	96
12) 1,1-Dichloroethene	3.793	96	91031	22.612	ug/l	88
13) Acrolein	3.653	56	18278	46.073	ug/l	100
14) Allyl chloride	4.391	41	113711	23.176	ug/l	99
15) Acrylonitrile	5.061	53	89051	111.271	ug/l	98
16) Acetone	3.872	43	136960	152.440	ug/l	100
17) Carbon Disulfide	4.110	76	249767	21.677	ug/l	98
18) Methyl Acetate	4.391	43	47352	20.091	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	208323	21.531	ug/l	93
20) Methylene Chloride	4.616	84	107129	22.051	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	102517	23.130	ug/l	97
22) Diisopropyl ether	6.018	45	261606	24.105	ug/l	94
23) Vinyl Acetate	5.964	43	665342	113.264	ug/l	100
24) 1,1-Dichloroethane	5.921	63	174672	24.298	ug/l	97
25) 2-Butanone	6.896	43	139880	127.527	ug/l	95
26) 2,2-Dichloropropane	6.890	77	161688	24.511	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	118235	23.094	ug/l	99
28) Bromochloromethane	7.250	49	62282	23.207	ug/l	96
29) Tetrahydrofuran	7.268	42	64160	103.151	ug/l	98
30) Chloroform	7.427	83	192487	24.371	ug/l	98
31) Cyclohexane	7.707	56	138669	22.088	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	174489	24.310	ug/l	99
36) 1,1-Dichloropropene	7.841	75	127719	23.871	ug/l	99
37) Ethyl Acetate	6.988	43	46143	21.769	ug/l #	95
38) Carbon Tetrachloride	7.823	117	155466	23.963	ug/l	99
39) Methylcyclohexane	9.115	83	159529	22.900	ug/l	100
40) Benzene	8.085	78	409157	24.147	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	20308	17.714	ug/l #	87
42) 1,2-Dichloroethane	8.158	62	101997	23.340	ug/l	99
43) Isopropyl Acetate	8.201	43	90555	21.424	ug/l	98
44) Trichloroethene	8.865	130	116192	23.428	ug/l	98
45) 1,2-Dichloropropane	9.146	63	92062	24.598	ug/l	98
46) Dibromomethane	9.237	93	53731	22.704	ug/l	97
47) Bromodichloromethane	9.426	83	142222	23.861	ug/l	100
48) Methyl methacrylate	9.225	41	42623	21.465	ug/l	99
49) 1,4-Dioxane	9.231	88	11163	406.835	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	242036	110.832	ug/l	97
52) Toluene	10.170	92	267175	24.285	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	115798	22.344	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	145329	23.760	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	74561	23.429	ug/l	98
56) Ethyl methacrylate	10.444	69	76671	20.886	ug/l	99
57) 1,3-Dichloropropane	10.719	76	117943	23.388	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	167399	101.793	ug/l	99
59) 2-Hexanone	10.761	43	191127	122.467	ug/l	97
60) Dibromochloromethane	10.914	129	102644	23.005	ug/l	100
61) 1,2-Dibromoethane	11.018	107	68649	22.618	ug/l	100
64) Tetrachloroethene	10.646	164	137380	22.987	ug/l	98
65) Chlorobenzene	11.444	112	295053	23.438	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	106823	23.813	ug/l	99
67) Ethyl Benzene	11.517	91	480232	23.567	ug/l	99
68) m/p-Xylenes	11.633	106	390728	47.806	ug/l	98
69) o-Xylene	11.956	106	179899	23.466	ug/l	100
70) Styrene	11.969	104	294077	23.327	ug/l	100
71) Bromoform	12.133	173	61674	22.164	ug/l #	100
73) Isopropylbenzene	12.255	105	473954	23.914	ug/l	99
74) N-amyl acetate	12.072	43	74104	20.817	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	72998	22.520	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	59512m	22.430	ug/l	
77) Bromobenzene	12.536	156	121115	22.987	ug/l	98
78) n-propylbenzene	12.596	91	566243	24.690	ug/l	99
79) 2-Chlorotoluene	12.682	91	322930	24.045	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	393061	24.543	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	24045	22.223	ug/l	98
82) 4-Chlorotoluene	12.779	91	338983	24.508	ug/l	99
83) tert-Butylbenzene	12.999	119	347416	23.495	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	388132	24.284	ug/l	98
85) sec-Butylbenzene	13.176	105	520320	24.530	ug/l	99
86) p-Isopropyltoluene	13.291	119	436929	24.193	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	240935	23.483	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	238627	23.549	ug/l	99
89) n-Butylbenzene	13.621	91	383151	24.348	ug/l	98
90) Hexachloroethane	13.883	117	91946	23.671	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	209027	23.237	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11390	21.415	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	121730	21.707	ug/l	100
94) Hexachlorobutadiene	15.023	225	84638	24.212	ug/l	99
95) Naphthalene	15.145	128	173867	19.470	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	104331	21.479	ug/l	98

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

