

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023832.D
 Acq On : 01 Dec 2025 10:00
 Operator : SY/MD
 Sample : VY1201SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1201SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/02/2025
 Supervised By : Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 03:13:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	526036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	818117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	695554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	353062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	245781	47.978	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.960%		
35) Dibromofluoromethane	7.640	113	244714	50.494	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.980%		
50) Toluene-d8	10.109	98	961906	49.969	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.940%		
62) 4-Bromofluorobenzene	12.408	95	306085	48.325	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	88398	22.298	ug/l	100
3) Chloromethane	2.074	50	113584	18.728	ug/l	98
4) Vinyl Chloride	2.208	62	129763	19.779	ug/l	98
5) Bromomethane	2.598	94	89913	19.427	ug/l	96
6) Chloroethane	2.739	64	86497	20.230	ug/l	98
7) Trichlorofluoromethane	3.062	101	193966	21.867	ug/l	97
8) Diethyl Ether	3.458	74	59159	21.176	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	119754	23.132	ug/l	99
10) Methyl Iodide	4.007	142	114483	20.181	ug/l	100
11) Tert butyl alcohol	4.878	59	38994	92.681	ug/l	98
12) 1,1-Dichloroethene	3.793	96	109088	21.419	ug/l	100
13) Acrolein	3.659	56	52436	86.696	ug/l	99
14) Allyl chloride	4.391	41	173297	21.478	ug/l	100
15) Acrylonitrile	5.067	53	135769	112.600	ug/l	99
16) Acetone	3.872	43	190658	129.176	ug/l	97
17) Carbon Disulfide	4.110	76	296016	18.010	ug/l	99
18) Methyl Acetate	4.397	43	57954	20.332	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	283581	21.788	ug/l	97
20) Methylene Chloride	4.628	84	120089	19.246	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	120293	21.332	ug/l	96
22) Diisopropyl ether	6.031	45	395326	22.660	ug/l	98
23) Vinyl Acetate	5.970	43	1093650	112.730	ug/l	99
24) 1,1-Dichloroethane	5.927	63	225791	22.000	ug/l	97
25) 2-Butanone	6.896	43	220919	122.648	ug/l	99
26) 2,2-Dichloropropane	6.890	77	196626	21.614	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	140774	21.498	ug/l	100
28) Bromochloromethane	7.256	49	83127	19.472	ug/l	99
29) Tetrahydrofuran	7.268	42	110786	110.275	ug/l	99
30) Chloroform	7.427	83	228113	22.104	ug/l	95
31) Cyclohexane	7.707	56	209574	21.279	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	205882	22.475	ug/l	99
36) 1,1-Dichloropropene	7.841	75	167201	22.501	ug/l	99
37) Ethyl Acetate	6.994	43	82518	23.609	ug/l	100
38) Carbon Tetrachloride	7.823	117	181727	22.280	ug/l	97
39) Methylcyclohexane	9.109	83	214053	21.811	ug/l	98
40) Benzene	8.085	78	498139	21.784	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	38160	21.869	ug/l	95
42) 1,2-Dichloroethane	8.158	62	132848	22.535	ug/l	99
43) Isopropyl Acetate	8.201	43	144201	22.077	ug/l #	87
44) Trichloroethene	8.866	130	131042	22.335	ug/l	99
45) 1,2-Dichloropropane	9.140	63	122189	22.663	ug/l	98
46) Dibromomethane	9.231	93	65343	22.335	ug/l	99
47) Bromodichloromethane	9.426	83	171533	22.435	ug/l	97
48) Methyl methacrylate	9.225	41	68408	22.244	ug/l	99
49) 1,4-Dioxane	9.237	88	15875	484.179	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	394930	114.855	ug/l	99
52) Toluene	10.170	92	317325	22.385	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	152796	21.816	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	183114	21.842	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	90140	23.001	ug/l	96
56) Ethyl methacrylate	10.438	69	112544	21.871	ug/l	98
57) 1,3-Dichloropropane	10.719	76	153060	22.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	246607	99.760	ug/l	99
59) 2-Hexanone	10.762	43	309938	121.893	ug/l	99
60) Dibromochloromethane	10.914	129	117865	22.413	ug/l	99
61) 1,2-Dibromoethane	11.018	107	80328	22.082	ug/l	99
64) Tetrachloroethene	10.646	164	152218	23.069	ug/l	99
65) Chlorobenzene	11.444	112	338867	22.195	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	120164	23.167	ug/l	98
67) Ethyl Benzene	11.517	91	590343	22.637	ug/l	99
68) m/p-Xylenes	11.627	106	457077	45.484	ug/l	100
69) o-Xylene	11.956	106	209946	22.284	ug/l	99
70) Styrene	11.969	104	352673	22.724	ug/l	99
71) Bromoform	12.133	173	67224	22.219	ug/l #	99
73) Isopropylbenzene	12.255	105	569849	22.742	ug/l	100
74) N-amyl acetate	12.072	43	121531	21.709	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	93304	22.617	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	61775m	20.120	ug/l	
77) Bromobenzene	12.536	156	132780	22.529	ug/l	99
78) n-propylbenzene	12.597	91	693288	22.981	ug/l	99
79) 2-Chlorotoluene	12.682	91	390507	22.491	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	469631	22.958	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	32372	22.286	ug/l	97
82) 4-Chlorotoluene	12.779	91	406161	22.777	ug/l	99
83) tert-Butylbenzene	12.999	119	417792	22.735	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	464199	22.707	ug/l	100
85) sec-Butylbenzene	13.176	105	626233	23.086	ug/l	100
86) p-Isopropyltoluene	13.292	119	517504	22.824	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	263200	22.282	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	258566	21.930	ug/l	99
89) n-Butylbenzene	13.615	91	477523	22.969	ug/l	98
90) Hexachloroethane	13.883	117	107367	22.538	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	232245	22.484	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15026	21.760	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	133887	21.739	ug/l	98
94) Hexachlorobutadiene	15.023	225	86872	22.650	ug/l	99
95) Naphthalene	15.145	128	219911	21.173	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	116198	22.153	ug/l	97

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

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