

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101525\
 Data File : VY023472.D
 Acq On : 15 Oct 2025 11:51
 Operator : SY/MD
 Sample : VY1015SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/17/2025
 Supervised By : Mahesh Dadoda 10/17/2025

Quant Time: Oct 16 02:42:40 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	495419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	725190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	653705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	349837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	213751	51.596	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.200%			
35) Dibromofluoromethane	7.634	113	234767	52.686	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.380%			
50) Toluene-d8	10.109	98	859973	51.823	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.640%			
62) 4-Bromofluorobenzene	12.408	95	275002	50.195	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.400%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	75589	21.197	ug/l	100
3) Chloromethane	2.074	50	99482	20.479	ug/l	98
4) Vinyl Chloride	2.208	62	129340	20.442	ug/l	99
5) Bromomethane	2.592	94	119657	22.535	ug/l	100
6) Chloroethane	2.739	64	93682	21.721	ug/l	96
7) Trichlorofluoromethane	3.062	101	186435	21.221	ug/l	99
8) Diethyl Ether	3.458	74	47317	20.612	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	100327	22.007	ug/l	99
10) Methyl Iodide	4.007	142	95613	18.840	ug/l	98
11) Tert butyl alcohol	4.872	59	28369	92.048	ug/l	100
12) 1,1-Dichloroethene	3.793	96	90921	20.574	ug/l	95
13) Acrolein	3.653	56	30765	70.644	ug/l	100
14) Allyl chloride	4.385	41	104925	19.482	ug/l	95
15) Acrylonitrile	5.061	53	91340	103.970	ug/l	99
16) Acetone	3.873	43	143764	145.767	ug/l	99
17) Carbon Disulfide	4.110	76	267377	21.139	ug/l	99
18) Methyl Acetate	4.391	43	49316	19.062	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	215657	20.304	ug/l	99
20) Methylene Chloride	4.622	84	107262	20.112	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	103480	21.268	ug/l	95
22) Diisopropyl ether	6.025	45	247010	20.734	ug/l	97
23) Vinyl Acetate	5.964	43	663621	102.913	ug/l	98
24) 1,1-Dichloroethane	5.921	63	169773	21.514	ug/l	99
25) 2-Butanone	6.896	43	145694	121.001	ug/l	97
26) 2,2-Dichloropropane	6.884	77	155040	21.411	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	117029	20.823	ug/l	99
28) Bromochloromethane	7.244	49	65494	22.232	ug/l	98
29) Tetrahydrofuran	7.268	42	67324	98.601	ug/l	97
30) Chloroform	7.427	83	191602	22.099	ug/l	99
31) Cyclohexane	7.707	56	132569	19.236	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	170176	21.598	ug/l	99
36) 1,1-Dichloropropene	7.841	75	125986	21.356	ug/l	99
37) Ethyl Acetate	6.988	43	49060	20.992	ug/l	98
38) Carbon Tetrachloride	7.823	117	156400	21.865	ug/l	97
39) Methylcyclohexane	9.109	83	150042	19.534	ug/l	96
40) Benzene	8.085	78	404898	21.673	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	24438	19.334	ug/l #	69
42) 1,2-Dichloroethane	8.164	62	105199	21.834	ug/l	100
43) Isopropyl Acetate	8.201	43	94523	20.283	ug/l	100
44) Trichloroethene	8.866	130	117219	21.437	ug/l	99
45) 1,2-Dichloropropane	9.146	63	90406	21.909	ug/l	98
46) Dibromomethane	9.237	93	58875	22.564	ug/l	96
47) Bromodichloromethane	9.426	83	147687	22.473	ug/l	98
48) Methyl methacrylate	9.225	41	41882	19.130	ug/l	92
49) 1,4-Dioxane	9.237	88	12099	399.929	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	253107	105.120	ug/l	100
52) Toluene	10.170	92	263948	21.760	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	120232	21.041	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	144553	21.434	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	78991	22.512	ug/l	97
56) Ethyl methacrylate	10.438	69	80565	19.905	ug/l	99
57) 1,3-Dichloropropane	10.719	76	124102	22.320	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	182496	100.650	ug/l	99
59) 2-Hexanone	10.762	43	204731	118.981	ug/l	99
60) Dibromochloromethane	10.914	129	110039	22.368	ug/l	100
61) 1,2-Dibromoethane	11.018	107	73438	21.946	ug/l	99
64) Tetrachloroethene	10.646	164	147379	21.835	ug/l	97
65) Chlorobenzene	11.444	112	297722	20.940	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	107855	21.288	ug/l	99
67) Ethyl Benzene	11.518	91	462445	20.094	ug/l	98
68) m/p-Xylenes	11.633	106	386544	41.875	ug/l	99
69) o-Xylene	11.956	106	170838	19.731	ug/l	99
70) Styrene	11.969	104	296533	20.826	ug/l	100
71) Bromoform	12.133	173	68310	21.736	ug/l #	100
73) Isopropylbenzene	12.255	105	447572	19.413	ug/l	99
74) N-amyl acetate	12.072	43	76920	18.575	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	75922	20.134	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	60764m	19.687	ug/l	
77) Bromobenzene	12.530	156	123960	20.225	ug/l	99
78) n-propylbenzene	12.597	91	536401	20.106	ug/l	100
79) 2-Chlorotoluene	12.682	91	309515	19.811	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	374683	20.112	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	25197	20.019	ug/l	98
82) 4-Chlorotoluene	12.780	91	329749	20.494	ug/l	100
83) tert-Butylbenzene	12.999	119	330790	19.231	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	374857	20.162	ug/l	100
85) sec-Butylbenzene	13.176	105	491201	19.907	ug/l	100
86) p-Isopropyltoluene	13.292	119	411879	19.605	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	241003	20.192	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	237249	20.127	ug/l	99
89) n-Butylbenzene	13.615	91	352446	19.253	ug/l	98
90) Hexachloroethane	13.883	117	94664	20.950	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	210902	20.155	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12340	19.945	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	119169	18.268	ug/l	98
94) Hexachlorobutadiene	15.023	225	79105	19.453	ug/l	98
95) Naphthalene	15.145	128	171825	16.541	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	99963	17.691	ug/l	98

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

