

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
 Data File : VY023545.D
 Acq On : 22 Oct 2025 10:28
 Operator : SY/MD
 Sample : VY1022SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1022SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/24/2025
 Supervised By :Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 02:26:30 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	546555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	794303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	700136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	365280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	208863	45.699	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.400%		
35) Dibromofluoromethane	7.634	113	240525	49.282	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.560%		
50) Toluene-d8	10.109	98	904633	49.771	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.540%		
62) 4-Bromofluorobenzene	12.408	95	295724	49.281	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	78862	20.046	ug/l	99
3) Chloromethane	2.074	50	96728	18.049	ug/l	97
4) Vinyl Chloride	2.208	62	130661	18.718	ug/l	99
5) Bromomethane	2.592	94	117294	20.024	ug/l	99
6) Chloroethane	2.739	64	94090	19.775	ug/l	99
7) Trichlorofluoromethane	3.056	101	195620	20.184	ug/l	99
8) Diethyl Ether	3.458	74	51088	20.172	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	107027	21.280	ug/l	98
10) Methyl Iodide	4.007	142	117165	20.926	ug/l	97
11) Tert butyl alcohol	4.860	59	28049	82.495	ug/l	98
12) 1,1-Dichloroethene	3.793	96	100716	20.658	ug/l	96
13) Acrolein	3.653	56	23166	48.218	ug/l	91
14) Allyl chloride	4.391	41	110064	18.524	ug/l	96
15) Acrylonitrile	5.061	53	90176	93.042	ug/l	99
16) Acetone	3.873	43	137184	126.081	ug/l	98
17) Carbon Disulfide	4.110	76	268938	19.273	ug/l	98
18) Methyl Acetate	4.391	43	49297	17.272	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	231882	19.789	ug/l	97
20) Methylene Chloride	4.622	84	108140	18.380	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	109389	20.379	ug/l	97
22) Diisopropyl ether	6.019	45	262379	19.963	ug/l	96
23) Vinyl Acetate	5.964	43	681501	95.797	ug/l	96
24) 1,1-Dichloroethane	5.915	63	178683	20.524	ug/l	100
25) 2-Butanone	6.896	43	142981	107.638	ug/l	95
26) 2,2-Dichloropropane	6.884	77	167931	21.021	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	131514	21.211	ug/l	94
28) Bromochloromethane	7.250	49	62608	19.264	ug/l	94
29) Tetrahydrofuran	7.262	42	65038	86.341	ug/l	93
30) Chloroform	7.421	83	202767	21.198	ug/l	98
31) Cyclohexane	7.707	56	146973	19.331	ug/l	89
32) 1,1,1-Trichloroethane	7.622	97	185487	21.339	ug/l	98
36) 1,1-Dichloropropene	7.835	75	134867	20.873	ug/l	98
37) Ethyl Acetate	6.988	43	47665	18.620	ug/l #	96
38) Carbon Tetrachloride	7.823	117	167506	21.380	ug/l	99
39) Methylcyclohexane	9.109	83	174367	20.726	ug/l	98
40) Benzene	8.085	78	432933	21.157	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	23647	17.080	ug/l #	67
42) 1,2-Dichloroethane	8.158	62	104422	19.787	ug/l	99
43) Isopropyl Acetate	8.201	43	93851	18.386	ug/l	96
44) Trichloroethene	8.866	130	131401	21.940	ug/l	99
45) 1,2-Dichloropropane	9.146	63	94941	21.006	ug/l	99
46) Dibromomethane	9.231	93	59570	20.843	ug/l	98
47) Bromodichloromethane	9.426	83	152859	21.237	ug/l	99
48) Methyl methacrylate	9.225	41	43753	18.246	ug/l	92
49) 1,4-Dioxane	9.225	88	12196	368.059	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	253262	96.032	ug/l	99
52) Toluene	10.170	92	292104	21.986	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	131626	21.031	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	154563	20.924	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	82907	21.572	ug/l	97
56) Ethyl methacrylate	10.438	69	87648	19.771	ug/l	93
57) 1,3-Dichloropropane	10.719	76	126727	20.809	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	191490	96.421	ug/l	98
59) 2-Hexanone	10.762	43	201768	107.056	ug/l	97
60) Dibromochloromethane	10.908	129	115294	21.397	ug/l	99
61) 1,2-Dibromoethane	11.018	107	77772	21.218	ug/l	99
64) Tetrachloroethene	10.646	164	165184	22.850	ug/l	99
65) Chlorobenzene	11.444	112	325435	21.371	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	116407	21.452	ug/l	100
67) Ethyl Benzene	11.518	91	522038	21.179	ug/l	99
68) m/p-Xylenes	11.627	106	428308	43.322	ug/l	99
69) o-Xylene	11.956	106	200731	21.646	ug/l	97
70) Styrene	11.969	104	325186	21.324	ug/l	100
71) Bromoform	12.133	173	69048	20.514	ug/l #	99
73) Isopropylbenzene	12.255	105	521665	21.671	ug/l	100
74) N-amyl acetate	12.072	43	76665	17.731	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	75537	19.185	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	60391m	18.739	ug/l	
77) Bromobenzene	12.530	156	136360	21.307	ug/l	97
78) n-propylbenzene	12.597	91	603121	21.651	ug/l	99
79) 2-Chlorotoluene	12.676	91	348031	21.335	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	426677	21.935	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	26519	20.178	ug/l	97
82) 4-Chlorotoluene	12.773	91	358213	21.322	ug/l	100
83) tert-Butylbenzene	12.999	119	393129	21.889	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	420267	21.648	ug/l	99
85) sec-Butylbenzene	13.176	105	561763	21.804	ug/l	99
86) p-Isopropyltoluene	13.292	119	485141	22.116	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	265067	21.270	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	260280	21.147	ug/l	99
89) n-Butylbenzene	13.615	91	407439	21.317	ug/l	99
90) Hexachloroethane	13.877	117	100017	21.199	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	232327	21.264	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12117	18.756	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	138915	20.394	ug/l	100
94) Hexachlorobutadiene	15.023	225	88730	20.897	ug/l	97
95) Naphthalene	15.145	128	204152	18.822	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	116532	19.751	ug/l	100

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

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