

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112425\
 Data File : VY023788.D
 Acq On : 24 Nov 2025 14:23
 Operator : SY/MD
 Sample : VY1124SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1124SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/01/2025
 Supervised By : Mahesh Dadoda 12/01/2025

Quant Time: Nov 26 02:10:08 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	489690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	760910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	741102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	332458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	226413	54.203	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.400%			
35) Dibromofluoromethane	7.634	113	241535	50.794	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.580%			
50) Toluene-d8	10.109	98	958763	54.127	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.260%			
62) 4-Bromofluorobenzene	12.402	95	328691	57.380	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 114.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	75535	23.499	ug/l	97
3) Chloromethane	2.074	50	116446	25.887	ug/l	99
4) Vinyl Chloride	2.202	62	143024	24.435	ug/l	98
5) Bromomethane	2.592	94	101215	20.557	ug/l	96
6) Chloroethane	2.733	64	83925	20.745	ug/l	98
7) Trichlorofluoromethane	3.056	101	188929	22.918	ug/l	98
8) Diethyl Ether	3.452	74	49747	22.503	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.818	101	105460	23.219	ug/l	96
10) Methyl Iodide	4.001	142	99290	18.513	ug/l	99
11) Tert butyl alcohol	4.830	59	61772	229.344	ug/l #	90
12) 1,1-Dichloroethene	3.787	96	99062	22.642	ug/l	86
13) Acrolein	3.647	56	23887	69.000	ug/l	96
14) Allyl chloride	4.379	41	140180	26.323	ug/l	93
15) Acrylonitrile	5.055	53	99640	117.942	ug/l	99
16) Acetone	3.867	43	140241	135.067	ug/l	98
17) Carbon Disulfide	4.110	76	322903	24.046	ug/l	99
18) Methyl Acetate	4.385	43	44987	19.643	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	215649	21.256	ug/l	98
20) Methylene Chloride	4.616	84	133541	26.642	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	114787	23.269	ug/l	91
22) Diisopropyl ether	6.025	45	315555	26.592	ug/l	96
23) Vinyl Acetate	5.964	43	793406	125.293	ug/l	95
24) 1,1-Dichloroethane	5.921	63	198509	25.111	ug/l	98
25) 2-Butanone	6.890	43	152617	127.131	ug/l	91
26) 2,2-Dichloropropane	6.884	77	177831	24.455	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	128514	22.810	ug/l	93
28) Bromochloromethane	7.244	49	77924	25.744	ug/l	85
29) Tetrahydrofuran	7.262	42	71100	111.210	ug/l	92
30) Chloroform	7.421	83	209961	23.805	ug/l	97
31) Cyclohexane	7.701	56	170493	24.765	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	181366	23.007	ug/l	98
36) 1,1-Dichloropropene	7.835	75	142725	22.462	ug/l	99
37) Ethyl Acetate	6.982	43	55118	22.407	ug/l	99
38) Carbon Tetrachloride	7.817	117	161273	21.541	ug/l	99
39) Methylcyclohexane	9.109	83	177292	21.837	ug/l	92
40) Benzene	8.079	78	466887	23.311	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	26530	19.759	ug/l #	91
42) 1,2-Dichloroethane	8.158	62	111845	22.072	ug/l	100
43) Isopropyl Acetate	8.195	43	102308	22.136	ug/l	96
44) Trichloroethene	8.866	130	121804	21.173	ug/l	93
45) 1,2-Dichloropropane	9.140	63	105991	23.978	ug/l	100
46) Dibromomethane	9.231	93	57631	21.042	ug/l	94
47) Bromodichloromethane	9.420	83	153030	22.161	ug/l	98
48) Methyl methacrylate	9.219	41	45690	20.924	ug/l	96
49) 1,4-Dioxane	9.219	88	11015	392.980	ug/l #	86
51) 4-Methyl-2-Pentanone	10.000	43	263673	107.276	ug/l	97
52) Toluene	10.170	92	292879	22.904	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	126742	21.692	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	158835	22.689	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	79470	21.712	ug/l	97
56) Ethyl methacrylate	10.438	69	81831	20.291	ug/l	96
57) 1,3-Dichloropropane	10.719	76	131164	22.592	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	199439	107.772	ug/l	94
59) 2-Hexanone	10.762	43	209141	116.629	ug/l	96
60) Dibromochloromethane	10.908	129	111681	22.207	ug/l	99
61) 1,2-Dibromoethane	11.018	107	75534	21.989	ug/l	100
64) Tetrachloroethene	10.646	164	141651	18.363	ug/l	94
65) Chlorobenzene	11.438	112	342756	21.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	120158	21.062	ug/l	98
67) Ethyl Benzene	11.518	91	571969	21.905	ug/l	98
68) m/p-Xylenes	11.627	106	459573	44.051	ug/l	97
69) o-Xylene	11.957	106	209482	21.722	ug/l	96
70) Styrene	11.969	104	347015	21.809	ug/l	99
71) Bromoform	12.133	173	62669	18.808	ug/l #	97
73) Isopropylbenzene	12.255	105	515420	23.180	ug/l	99
74) N-amyl acetate	12.066	43	71669	19.038	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.505	83	74038	20.848	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	66820m	24.834	ug/l	
77) Bromobenzene	12.530	156	128296	22.244	ug/l	95
78) n-propylbenzene	12.591	91	632406	24.180	ug/l	98
79) 2-Chlorotoluene	12.676	91	367818	24.235	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	444027	24.578	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	26065	21.893	ug/l	93
82) 4-Chlorotoluene	12.773	91	390726	24.963	ug/l	98
83) tert-Butylbenzene	12.993	119	380814	23.144	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	432420	24.166	ug/l	97
85) sec-Butylbenzene	13.176	105	571584	24.085	ug/l	98
86) p-Isopropyltoluene	13.292	119	447981	22.298	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	242550	21.366	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	234119	20.995	ug/l	97
89) n-Butylbenzene	13.615	91	389224	22.279	ug/l	98
90) Hexachloroethane	13.877	117	94710	21.937	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	200182	20.462	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10828	19.803	ug/l	88
93) 1,2,4-Trichlorobenzene	14.919	180	106002	18.943	ug/l	99
94) Hexachlorobutadiene	15.023	225	74120	20.216	ug/l	100
95) Naphthalene	15.139	128	147548	18.757	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	86767	18.559	ug/l	99

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

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