

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022788.D
 Acq On : 24 Jun 2025 11:21
 Operator : SY/MD
 Sample : VY0624SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0624SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 01:22:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	454676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	751533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	644021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	303566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	246467	48.568	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.140%		
35) Dibromofluoromethane	7.634	113	227031	49.674	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.340%		
50) Toluene-d8	10.103	98	915700	50.490	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.980%		
62) 4-Bromofluorobenzene	12.401	95	277996	47.682	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	83841	21.564	ug/l	100
3) Chloromethane	2.068	50	148016	19.937	ug/l	98
4) Vinyl Chloride	2.196	62	190974	20.590	ug/l	97
5) Bromomethane	2.586	94	149920	20.560	ug/l	100
6) Chloroethane	2.726	64	124997	20.048	ug/l	93
7) Trichlorofluoromethane	3.043	101	212732	20.713	ug/l	100
8) Diethyl Ether	3.446	74	49045	19.335	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	98481	20.983	ug/l	98
10) Methyl Iodide	4.000	142	94235	18.441	ug/l	100
11) Tert butyl alcohol	4.860	59	31222	92.529	ug/l #	73
12) 1,1-Dichloroethene	3.781	96	91858	19.960	ug/l	98
13) Acrolein	3.647	56	43455	94.972	ug/l	99
14) Allyl chloride	4.378	41	140797	19.890	ug/l	95
15) Acrylonitrile	5.049	53	101092	95.519	ug/l	99
16) Acetone	3.860	43	90320	94.167	ug/l	99
17) Carbon Disulfide	4.098	76	304896	20.508	ug/l	99
18) Methyl Acetate	4.378	43	55496	17.471	ug/l	98
19) Methyl tert-butyl Ether	5.104	73	239186	19.087	ug/l	98
20) Methylene Chloride	4.604	84	108504	17.913	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	104363	19.842	ug/l	96
22) Diisopropyl ether	6.018	45	314393	19.999	ug/l	97
23) Vinyl Acetate	5.957	43	854467	98.416	ug/l	99
24) 1,1-Dichloroethane	5.909	63	192393	20.261	ug/l	99
25) 2-Butanone	6.890	43	130645	93.588	ug/l	98
26) 2,2-Dichloropropane	6.878	77	160327	20.142	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	119261	19.513	ug/l	99
28) Bromochloromethane	7.238	49	80516	20.169	ug/l	94
29) Tetrahydrofuran	7.256	42	81271	92.199	ug/l	98
30) Chloroform	7.414	83	192735	19.707	ug/l	92
31) Cyclohexane	7.695	56	175872	20.177	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	172060	20.358	ug/l	99
36) 1,1-Dichloropropene	7.829	75	140846	20.331	ug/l	100
37) Ethyl Acetate	6.982	43	56563	18.921	ug/l	97
38) Carbon Tetrachloride	7.811	117	150312	20.563	ug/l	99
39) Methylcyclohexane	9.103	83	182366	20.342	ug/l	99
40) Benzene	8.079	78	429271	20.154	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	36099m	19.615	ug/l	
42) 1,2-Dichloroethane	8.152	62	118209	20.253	ug/l	99
43) Isopropyl Acetate	8.195	43	117125	18.851	ug/l	97
44) Trichloroethene	8.859	130	110197	20.606	ug/l	99
45) 1,2-Dichloropropane	9.140	63	99722	20.004	ug/l	97
46) Dibromomethane	9.225	93	54686	19.325	ug/l	96
47) Bromodichloromethane	9.420	83	145543	19.945	ug/l	100
48) Methyl methacrylate	9.219	41	57360	19.204	ug/l	95
49) 1,4-Dioxane	9.225	88	12854	384.463	ug/l	94
51) 4-Methyl-2-Pentanone	9.993	43	299993	95.014	ug/l	98
52) Toluene	10.170	92	268868	20.009	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	126826	19.317	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	149508	19.639	ug/l	98
55) 1,1,2-Trichloroethane	10.566	97	72385	19.754	ug/l	99
56) Ethyl methacrylate	10.438	69	89037	18.060	ug/l	97
57) 1,3-Dichloropropane	10.713	76	125029	19.557	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	230138	98.911	ug/l	99
59) 2-Hexanone	10.755	43	194180	90.459	ug/l	97
60) Dibromochloromethane	10.908	129	92711	19.588	ug/l	97
61) 1,2-Dibromoethane	11.011	107	65644	19.144	ug/l	96
64) Tetrachloroethene	10.646	164	131649	21.638	ug/l	97
65) Chlorobenzene	11.438	112	284096	20.076	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	92635	19.327	ug/l	99
67) Ethyl Benzene	11.517	91	499591	20.093	ug/l	99
68) m/p-Xylenes	11.627	106	379372	39.471	ug/l	99
69) o-Xylene	11.950	106	174833	19.305	ug/l	98
70) Styrene	11.962	104	293422	19.343	ug/l	99
71) Bromoform	12.127	173	50804	19.036	ug/l #	98
73) Isopropylbenzene	12.249	105	460433	20.509	ug/l	99
74) N-amyl acetate	12.066	43	99500	19.745	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.499	83	67748	18.724	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	61464m	19.833	ug/l	
77) Bromobenzene	12.523	156	102341	20.111	ug/l	99
78) n-propylbenzene	12.590	91	563511	20.789	ug/l	99
79) 2-Chlorotoluene	12.676	91	313424	20.466	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	370540	20.445	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	22608	18.430	ug/l	92
82) 4-Chlorotoluene	12.773	91	323940	20.138	ug/l	99
83) tert-Butylbenzene	12.993	119	325208	20.346	ug/l	99
84) 1,2,4-Trimethylbenzene	13.035	105	365641	20.151	ug/l	100
85) sec-Butylbenzene	13.169	105	494743	20.573	ug/l	99
86) p-Isopropyltoluene	13.285	119	404814	20.228	ug/l	100
87) 1,3-Dichlorobenzene	13.279	146	205201	20.078	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	199889	19.689	ug/l	98
89) n-Butylbenzene	13.615	91	383849	20.391	ug/l	99
90) Hexachloroethane	13.871	117	85343	21.411	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	178210	19.787	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11713	19.089	ug/l	97
93) 1,2,4-Trichlorobenzene	14.913	180	101486	19.957	ug/l	97
94) Hexachlorobutadiene	15.017	225	59456	20.676	ug/l	97
95) Naphthalene	15.139	128	172250	18.731	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	85584	19.477	ug/l	97

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

