

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022431.D
 Acq On : 27 May 2025 13:57
 Operator : SY/MD
 Sample : VY0527SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0527SBSD01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 11:28:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	229882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	395413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	328377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	155135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	129595	53.521	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.040%	
35) Dibromofluoromethane	7.634	113	124201	53.635	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.280%	
50) Toluene-d8	10.109	98	502760	53.259	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.520%	
62) 4-Bromofluorobenzene	12.401	95	147506	51.658	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.320%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	50470	23.012	ug/l	95
3) Chloromethane	2.068	50	107870	19.995	ug/l	99
4) Vinyl Chloride	2.202	62	141902	21.652	ug/l	96
5) Bromomethane	2.592	94	136075	22.848	ug/l	98
6) Chloroethane	2.732	64	98948	23.104	ug/l	100
7) Trichlorofluoromethane	3.049	101	127726	23.098	ug/l	99
8) Diethyl Ether	3.458	74	27711	21.734	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	50636	20.873	ug/l	99
10) Methyl Iodide	4.007	142	54669	19.975	ug/l	100
11) Tert butyl alcohol	4.872	59	17804	104.315	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	50291	20.881	ug/l	96
13) Acrolein	3.647	56	25570	99.987	ug/l	97
14) Allyl chloride	4.378	41	77500	21.391	ug/l	98
15) Acrylonitrile	5.067	53	53669	104.429	ug/l	100
16) Acetone	3.872	43	38015	95.542	ug/l #	88
17) Carbon Disulfide	4.104	76	158468	20.617	ug/l	100
18) Methyl Acetate	4.391	43	33436	22.433	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	134048	20.964	ug/l	93
20) Methylene Chloride	4.610	84	59261	21.091	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	54588	20.760	ug/l	96
22) Diisopropyl ether	6.018	45	164071	20.519	ug/l	97
23) Vinyl Acetate	5.957	43	458176	99.794	ug/l	97
24) 1,1-Dichloroethane	5.915	63	101296	21.439	ug/l	99
25) 2-Butanone	6.902	43	67274	101.522	ug/l	98
26) 2,2-Dichloropropane	6.890	77	85395	19.960	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	63391	20.825	ug/l	99
28) Bromochloromethane	7.250	49	42887	21.737	ug/l	100
29) Tetrahydrofuran	7.268	42	44664	101.064	ug/l	99
30) Chloroform	7.421	83	98776	21.216	ug/l	94
31) Cyclohexane	7.701	56	96251	20.665	ug/l #	96
32) 1,1,1-Trichloroethane	7.616	97	88538	20.954	ug/l	99
36) 1,1-Dichloropropene	7.835	75	74179	20.187	ug/l	99
37) Ethyl Acetate	6.988	43	30569	19.575	ug/l	99
38) Carbon Tetrachloride	7.817	117	77543	20.258	ug/l	96
39) Methylcyclohexane	9.109	83	97538	19.969	ug/l	99
40) Benzene	8.079	78	224763	20.556	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	18456m	19.472	ug/l	
42) 1,2-Dichloroethane	8.158	62	59653	20.657	ug/l	99
43) Isopropyl Acetate	8.201	43	67176	19.685	ug/l	99
44) Trichloroethene	8.865	130	54523	20.172	ug/l	98
45) 1,2-Dichloropropane	9.140	63	54293	21.134	ug/l	94
46) Dibromomethane	9.231	93	28122	19.596	ug/l	97
47) Bromodichloromethane	9.426	83	75418	20.436	ug/l	97
48) Methyl methacrylate	9.225	41	32294	20.387	ug/l	97
49) 1,4-Dioxane	9.225	88	6719	423.884	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	164021	97.416	ug/l	99
52) Toluene	10.170	92	140020	20.503	ug/l	97
53) t-1,3-Dichloropropene	10.390	75	67912	19.756	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	80375	19.899	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	36393	20.057	ug/l	96
56) Ethyl methacrylate	10.438	69	50872	19.538	ug/l	97
57) 1,3-Dichloropropane	10.719	76	65656	20.534	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	124817	96.184	ug/l	99
59) 2-Hexanone	10.761	43	107036	97.004	ug/l	98
60) Dibromochloromethane	10.914	129	47257	20.389	ug/l	99
61) 1,2-Dibromoethane	11.018	107	34220	20.620	ug/l	98
64) Tetrachloroethene	10.646	164	56116	20.065	ug/l	98
65) Chlorobenzene	11.438	112	143605	20.509	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	48543	20.462	ug/l	98
67) Ethyl Benzene	11.517	91	260074	20.004	ug/l	100
68) m/p-Xylenes	11.627	106	198788	40.328	ug/l	99
69) o-Xylene	11.956	106	94138	20.320	ug/l	100
70) Styrene	11.969	104	155257	20.127	ug/l	99
71) Bromoform	12.133	173	25148	20.238	ug/l #	98
73) Isopropylbenzene	12.255	105	242229	19.839	ug/l	100
74) N-amyl acetate	12.066	43	57313	19.183	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	38401	19.962	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	28487m	18.332	ug/l	
77) Bromobenzene	12.529	156	52711	20.061	ug/l	99
78) n-propylbenzene	12.597	91	293000	19.996	ug/l	100
79) 2-Chlorotoluene	12.676	91	161004	20.299	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	193338	20.266	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	12796	18.622	ug/l	98
82) 4-Chlorotoluene	12.773	91	164043	20.081	ug/l	100
83) tert-Butylbenzene	12.993	119	176319	20.456	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	190610	19.855	ug/l	99
85) sec-Butylbenzene	13.176	105	259295	20.285	ug/l	99
86) p-Isopropyltoluene	13.292	119	213163	19.970	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	104251	19.719	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	101516	20.082	ug/l	97
89) n-Butylbenzene	13.615	91	203256	20.309	ug/l	99
90) Hexachloroethane	13.877	117	43450	20.455	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	91460	20.712	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6061	20.390	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	50959	20.816	ug/l	97
94) Hexachlorobutadiene	15.023	225	27019	21.031	ug/l	99
95) Naphthalene	15.145	128	95939	21.199	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	43305	21.570	ug/l	97

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

