

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022874.D
 Acq On : 30 Jun 2025 12:09
 Operator : SY/MD
 Sample : VY0630SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0630SBS01

Quant Time: Jul 01 03:35:03 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	473861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	796065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	673720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	318118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	246667	46.640	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.280%		
35) Dibromofluoromethane	7.634	113	232610	48.047	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.100%		
50) Toluene-d8	10.103	98	932142	48.522	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.040%		
62) 4-Bromofluorobenzene	12.402	95	290126	46.979	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	81579	20.133	ug/l	95
3) Chloromethane	2.068	50	168156	21.733	ug/l	98
4) Vinyl Chloride	2.202	62	187583	19.405	ug/l	100
5) Bromomethane	2.592	94	152651	20.087	ug/l	98
6) Chloroethane	2.733	64	124906	19.223	ug/l	97
7) Trichlorofluoromethane	3.050	101	199758	18.663	ug/l	97
8) Diethyl Ether	3.452	74	54671	20.680	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	101678	20.787	ug/l	97
10) Methyl Iodide	4.007	142	95282	17.891	ug/l	98
11) Tert butyl alcohol	4.866	59	28096	79.894	ug/l #	94
12) 1,1-Dichloroethene	3.787	96	98700	20.578	ug/l	96
13) Acrolein	3.659	56	37048	77.691	ug/l	100
14) Allyl chloride	4.385	41	153359	20.788	ug/l	93
15) Acrylonitrile	5.055	53	101171	91.723	ug/l	98
16) Acetone	3.873	43	131012	131.062	ug/l	97
17) Carbon Disulfide	4.104	76	314458	20.294	ug/l	99
18) Methyl Acetate	4.385	43	61372	18.539	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	245086	18.766	ug/l	97
20) Methylene Chloride	4.616	84	137274	21.745	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	110712	20.197	ug/l	99
22) Diisopropyl ether	6.019	45	335512	20.478	ug/l	99
23) Vinyl Acetate	5.958	43	879611	97.210	ug/l	100
24) 1,1-Dichloroethane	5.915	63	201549	20.366	ug/l	99
25) 2-Butanone	6.896	43	153773	105.696	ug/l	99
26) 2,2-Dichloropropane	6.884	77	173634	20.931	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	127099	19.953	ug/l	99
28) Bromochloromethane	7.244	49	81472	19.582	ug/l	99
29) Tetrahydrofuran	7.262	42	80642	87.781	ug/l	98
30) Chloroform	7.421	83	202836	19.900	ug/l	96
31) Cyclohexane	7.701	56	188855	20.790	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	177823	20.188	ug/l	99
36) 1,1-Dichloropropene	7.835	75	149601	20.387	ug/l	100
37) Ethyl Acetate	6.982	43	59183	18.690	ug/l	98
38) Carbon Tetrachloride	7.817	117	154719	19.982	ug/l	99
39) Methylcyclohexane	9.109	83	199958	21.056	ug/l	98
40) Benzene	8.079	78	454171	20.130	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	39709m	20.370	ug/l	
42) 1,2-Dichloroethane	8.158	62	120093	19.425	ug/l	100
43) Isopropyl Acetate	8.195	43	119771	18.199	ug/l	97
44) Trichloroethene	8.866	130	111139	19.620	ug/l	100
45) 1,2-Dichloropropane	9.140	63	106975	20.259	ug/l	99
46) Dibromomethane	9.231	93	56637	18.894	ug/l	98
47) Bromodichloromethane	9.420	83	150271	19.441	ug/l	95
48) Methyl methacrylate	9.219	41	59643	18.851	ug/l	94
49) 1,4-Dioxane	9.231	88	12154	343.190	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	303806	90.839	ug/l	97
52) Toluene	10.170	92	280772	19.726	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	130634	18.784	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	159876	19.826	ug/l	95
55) 1,1,2-Trichloroethane	10.567	97	74323	19.148	ug/l	96
56) Ethyl methacrylate	10.438	69	91289	17.481	ug/l	96
57) 1,3-Dichloropropane	10.713	76	130214	19.228	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	234626	95.786	ug/l	100
59) 2-Hexanone	10.755	43	222895	98.027	ug/l	97
60) Dibromochloromethane	10.908	129	93786	18.706	ug/l	98
61) 1,2-Dibromoethane	11.012	107	67569	18.603	ug/l	96
64) Tetrachloroethene	10.646	164	116386	18.286	ug/l	97
65) Chlorobenzene	11.438	112	294335	19.882	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	96547	19.255	ug/l	97
67) Ethyl Benzene	11.518	91	523513	20.127	ug/l	96
68) m/p-Xylenes	11.627	106	404642	40.245	ug/l	99
69) o-Xylene	11.950	106	187284	19.768	ug/l	99
70) Styrene	11.963	104	308353	19.431	ug/l	100
71) Bromoform	12.127	173	50967	18.255	ug/l #	99
73) Isopropylbenzene	12.249	105	496473	21.102	ug/l	100
74) N-amyl acetate	12.066	43	97501	18.463	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	77986	20.567	ug/l	96
76) 1,2,3-Trichloropropane	12.554	75	63271m	19.482	ug/l	
77) Bromobenzene	12.530	156	105166	19.721	ug/l	99
78) n-propylbenzene	12.591	91	607697	21.394	ug/l	99
79) 2-Chlorotoluene	12.676	91	337030	21.001	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	398274	20.970	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	24930	19.393	ug/l	100
82) 4-Chlorotoluene	12.773	91	346461	20.553	ug/l	100
83) tert-Butylbenzene	12.993	119	353292	21.092	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	396586	20.856	ug/l	99
85) sec-Butylbenzene	13.170	105	544778	21.617	ug/l	99
86) p-Isopropyltoluene	13.286	119	443417	21.143	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	217638	20.321	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	213622	20.080	ug/l	99
89) n-Butylbenzene	13.615	91	421238	21.353	ug/l	99
90) Hexachloroethane	13.877	117	89754	21.488	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	184038	19.499	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11596	18.034	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	104685	19.645	ug/l	97
94) Hexachlorobutadiene	15.017	225	61502	20.410	ug/l	99
95) Naphthalene	15.139	128	164827	17.104	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	87329	18.965	ug/l	98

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

