

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022761.D
 Acq On : 20 Jun 2025 12:48
 Operator : SY/MD
 Sample : VY0620SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0620SBS01

Quant Time: Jun 21 02:38:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/23/2025
 Supervised By :Semsettin Yesilyurt 06/23/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	127528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	216032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	185975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	87528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	79074	55.439	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.880%			
35) Dibromofluoromethane	7.640	113	72984	56.601	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.200%			
50) Toluene-d8	10.109	98	289764	55.615	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.220%			
62) 4-Bromofluorobenzene	12.408	95	83301	53.660	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	24077	21.088	ug/l	99
3) Chloromethane	2.068	50	73246	21.715	ug/l	100
4) Vinyl Chloride	2.208	62	83339	21.298	ug/l	98
5) Bromomethane	2.592	94	94497	25.196	ug/l	99
6) Chloroethane	2.739	64	57463	21.395	ug/l	93
7) Trichlorofluoromethane	3.050	101	73476	22.119	ug/l	91
8) Diethyl Ether	3.458	74	16061	21.469	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	30872	22.066	ug/l	97
10) Methyl Iodide	4.007	142	29935	19.771	ug/l	99
11) Tert butyl alcohol	4.891	59	9949	97.661	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	29993	22.427	ug/l	96
13) Acrolein	3.659	56	7124	56.112	ug/l	97
14) Allyl chloride	4.385	41	42116	20.060	ug/l	94
15) Acrylonitrile	5.067	53	34294	108.241	ug/l	99
16) Acetone	3.879	43	42387	146.330	ug/l	97
17) Carbon Disulfide	4.104	76	86886	20.293	ug/l	98
18) Methyl Acetate	4.397	43	17760	20.705	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	79773	21.178	ug/l	99
20) Methylene Chloride	4.616	84	37516	22.800	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	32845	21.944	ug/l	96
22) Diisopropyl ether	6.025	45	103301	22.105	ug/l	97
23) Vinyl Acetate	5.964	43	285057	103.060	ug/l	98
24) 1,1-Dichloroethane	5.921	63	63549	23.083	ug/l	98
25) 2-Butanone	6.903	43	50533	120.942	ug/l	94
26) 2,2-Dichloropropane	6.890	77	54269	22.310	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	38438	22.218	ug/l	98
28) Bromochloromethane	7.244	49	27315	22.761	ug/l	98
29) Tetrahydrofuran	7.262	42	27792	103.129	ug/l	98
30) Chloroform	7.427	83	64288	23.576	ug/l	95
31) Cyclohexane	7.707	56	53661	19.579	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	55090	22.758	ug/l	99
36) 1,1-Dichloropropene	7.841	75	46122	22.039	ug/l	99
37) Ethyl Acetate	6.988	43	19587m	20.987	ug/l	
38) Carbon Tetrachloride	7.823	117	47110	21.943	ug/l	97
39) Methylcyclohexane	9.116	83	55931	19.887	ug/l	97
40) Benzene	8.079	78	140827	22.783	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	10417	19.109	ug/l	95
42) 1,2-Dichloroethane	8.158	62	39092	23.162	ug/l	99
43) Isopropyl Acetate	8.201	43	41517	20.598	ug/l	96
44) Trichloroethene	8.866	130	33429	22.128	ug/l	96
45) 1,2-Dichloropropane	9.146	63	33803	23.140	ug/l	99
46) Dibromomethane	9.237	93	18610	22.644	ug/l	96
47) Bromodichloromethane	9.426	83	47470	22.779	ug/l	94
48) Methyl methacrylate	9.225	41	18580	19.641	ug/l	96
49) 1,4-Dioxane	9.237	88	4100	421.100	ug/l #	90
51) 4-Methyl-2-Pentanone	10.000	43	102622	102.119	ug/l	98
52) Toluene	10.176	92	86321	22.222	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	41809	21.413	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	49569	21.809	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	23400	22.329	ug/l	97
56) Ethyl methacrylate	10.445	69	28959	19.119	ug/l	96
57) 1,3-Dichloropropane	10.719	76	42489	22.876	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	75659	110.021	ug/l	96
59) 2-Hexanone	10.762	43	72802	108.322	ug/l	98
60) Dibromochloromethane	10.914	129	29123	21.868	ug/l	99
61) 1,2-Dibromoethane	11.018	107	20934	21.917	ug/l	97
64) Tetrachloroethene	10.646	164	38887	24.308	ug/l	97
65) Chlorobenzene	11.444	112	90879	22.083	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	30308	21.861	ug/l	98
67) Ethyl Benzene	11.518	91	160203	20.988	ug/l	98
68) m/p-Xylenes	11.627	106	119198	41.193	ug/l	100
69) o-Xylene	11.956	106	56624	20.871	ug/l	100
70) Styrene	11.969	104	93948	20.949	ug/l	99
71) Bromoform	12.133	173	15595	21.139	ug/l #	95
73) Isopropylbenzene	12.255	105	150074	20.884	ug/l	99
74) N-amyl acetate	12.072	43	34086	18.799	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	23678	20.076	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	19629m	19.602	ug/l	
77) Bromobenzene	12.530	156	32041	21.129	ug/l	100
78) n-propylbenzene	12.597	91	185349	21.118	ug/l	99
79) 2-Chlorotoluene	12.682	91	96378	20.718	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	116822	20.707	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	8012	19.322	ug/l	97
82) 4-Chlorotoluene	12.780	91	98279	20.480	ug/l	97
83) tert-Butylbenzene	12.999	119	103929	20.525	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	115483	20.466	ug/l	100
85) sec-Butylbenzene	13.176	105	162280	20.926	ug/l	99
86) p-Isopropyltoluene	13.292	119	129856	20.315	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	65252	21.238	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	62934	21.119	ug/l	97
89) n-Butylbenzene	13.621	91	123416	20.350	ug/l	100
90) Hexachloroethane	13.883	117	27285	21.925	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	55516	21.282	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3491	20.330	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	29924	21.033	ug/l	96
94) Hexachlorobutadiene	15.023	225	16598	21.137	ug/l	97
95) Naphthalene	15.145	128	51985	19.041	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	25623	21.015	ug/l	98

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

