

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
 Data File : VY022641.D
 Acq On : 10 Jun 2025 11:18
 Operator : SY/MD
 Sample : VY0610SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0610SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/11/2025
 Supervised By :Semsettin Yesilyurt 06/11/2025

Quant Time: Jun 11 01:48:19 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

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	151859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	266922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	229662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	107638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	90697	53.400	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.800%			
35) Dibromofluoromethane	7.634	113	82962	52.072	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.140%			
50) Toluene-d8	10.109	98	325412	50.549	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.100%			
62) 4-Bromofluorobenzene	12.408	95	93390	48.690	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	29647	21.806	ug/l	98
3) Chloromethane	2.068	50	99306	24.724	ug/l	98
4) Vinyl Chloride	2.202	62	118248	25.378	ug/l	97
5) Bromomethane	2.592	94	111655	25.001	ug/l	97
6) Chloroethane	2.732	64	78057	24.406	ug/l	93
7) Trichlorofluoromethane	3.049	101	95865	24.235	ug/l	99
8) Diethyl Ether	3.458	74	19858	22.292	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	36823	22.103	ug/l	98
10) Methyl Iodide	4.007	142	36279	20.122	ug/l	98
11) Tert butyl alcohol	4.878	59	13387	110.354	ug/l	95
12) 1,1-Dichloroethene	3.787	96	34964	21.956	ug/l	90
13) Acrolein	3.659	56	13458	89.018	ug/l	99
14) Allyl chloride	4.378	41	53813	21.525	ug/l	99
15) Acrylonitrile	5.067	53	42735	113.272	ug/l	100
16) Acetone	3.879	43	39971	115.881	ug/l	95
17) Carbon Disulfide	4.104	76	107400	21.065	ug/l	99
18) Methyl Acetate	4.391	43	22332	21.863	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	97296	21.692	ug/l	94
20) Methylene Chloride	4.616	84	43790	22.349	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	38652	21.686	ug/l	98
22) Diisopropyl ether	6.025	45	122987	22.101	ug/l	97
23) Vinyl Acetate	5.970	43	355819	108.032	ug/l	99
24) 1,1-Dichloroethane	5.921	63	74674	22.778	ug/l	99
25) 2-Butanone	6.902	43	56599	113.757	ug/l	96
26) 2,2-Dichloropropane	6.884	77	61692	21.298	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	46360	22.504	ug/l	99
28) Bromochloromethane	7.250	49	32079	22.448	ug/l	98
29) Tetrahydrofuran	7.268	42	34727	108.217	ug/l	99
30) Chloroform	7.427	83	74281	22.876	ug/l	97
31) Cyclohexane	7.707	56	65455	20.055	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	63973	22.194	ug/l	98
36) 1,1-Dichloropropene	7.841	75	54013	20.889	ug/l	98
37) Ethyl Acetate	6.994	43	24522	21.266	ug/l	99
38) Carbon Tetrachloride	7.823	117	53907	20.322	ug/l	98
39) Methylcyclohexane	9.109	83	66717	19.200	ug/l	97
40) Benzene	8.085	78	166982	21.864	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	11677	17.336	ug/l	92
42) 1,2-Dichloroethane	8.158	62	45927	22.024	ug/l	99
43) Isopropyl Acetate	8.201	43	51410	20.643	ug/l	99
44) Trichloroethene	8.872	130	40055	21.459	ug/l	97
45) 1,2-Dichloropropane	9.146	63	39900	22.106	ug/l	100
46) Dibromomethane	9.237	93	21548	21.220	ug/l	98
47) Bromodichloromethane	9.426	83	55974	21.739	ug/l	98
48) Methyl methacrylate	9.225	41	22875	19.571	ug/l	92
49) 1,4-Dioxane	9.237	88	4782	397.507	ug/l #	88
51) 4-Methyl-2-Pentanone	9.999	43	128798	103.731	ug/l	97
52) Toluene	10.170	92	101074	21.059	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	49898	20.683	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	59942	21.345	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	27329	21.106	ug/l	96
56) Ethyl methacrylate	10.444	69	36560	19.536	ug/l	97
57) 1,3-Dichloropropane	10.719	76	50733	22.106	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	90458	106.462	ug/l	99
59) 2-Hexanone	10.761	43	85409	102.852	ug/l	99
60) Dibromochloromethane	10.914	129	34246	20.812	ug/l	98
61) 1,2-Dibromoethane	11.018	107	25671	21.752	ug/l	100
64) Tetrachloroethene	10.646	164	42189	21.355	ug/l	98
65) Chlorobenzene	11.444	112	107383	21.130	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	35613	20.802	ug/l	97
67) Ethyl Benzene	11.517	91	190738	20.235	ug/l	100
68) m/p-Xylenes	11.627	106	142812	39.965	ug/l	99
69) o-Xylene	11.956	106	67334	20.098	ug/l	99
70) Styrene	11.969	104	112255	20.270	ug/l	99
71) Bromoform	12.133	173	18138	19.909	ug/l #	99
73) Isopropylbenzene	12.255	105	174063	19.697	ug/l	100
74) N-amyl acetate	12.072	43	43929	19.701	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	29199	20.132	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	24853m	20.182	ug/l	
77) Bromobenzene	12.529	156	37226	19.962	ug/l	95
78) n-propylbenzene	12.597	91	218957	20.286	ug/l	100
79) 2-Chlorotoluene	12.682	91	117551	20.549	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	140643	20.272	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	9962	19.537	ug/l	99
82) 4-Chlorotoluene	12.779	91	120455	20.411	ug/l	99
83) tert-Butylbenzene	12.999	119	124367	19.973	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	137996	19.887	ug/l	98
85) sec-Butylbenzene	13.176	105	190064	19.930	ug/l	99
86) p-Isopropyltoluene	13.292	119	151545	19.278	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	76646	20.286	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	73824	20.145	ug/l	98
89) n-Butylbenzene	13.615	91	148318	19.887	ug/l	100
90) Hexachloroethane	13.877	117	30593	19.991	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	65336	20.367	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4472	21.177	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	37546	21.460	ug/l	96
94) Hexachlorobutadiene	15.023	225	20533	21.263	ug/l	98
95) Naphthalene	15.145	128	69363	20.659	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	31056	20.712	ug/l	97

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

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