

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022744.D
 Acq On : 19 Jun 2025 10:26
 Operator : SY/MD
 Sample : VY0619SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBS01

Quant Time: Jun 20 02:54:22 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 :Semsettin Yesilyurt 06/21/2025
 Supervised By :Mahesh Dadoda 06/21/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	142585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	243559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	203825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	92139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	81729	51.249	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.500%			
35) Dibromofluoromethane	7.634	113	77017	52.978	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.960%			
50) Toluene-d8	10.109	98	301805	51.379	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.760%			
62) 4-Bromofluorobenzene	12.408	95	83870	47.921	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	26125	20.465	ug/l	100
3) Chloromethane	2.068	50	63040	16.716	ug/l	100
4) Vinyl Chloride	2.208	62	86717	19.821	ug/l	97
5) Bromomethane	2.592	94	84774	20.217	ug/l	99
6) Chloroethane	2.733	64	63781	21.240	ug/l	93
7) Trichlorofluoromethane	3.050	101	80267	21.612	ug/l	98
8) Diethyl Ether	3.458	74	17536	20.966	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	33924	21.687	ug/l	98
10) Methyl Iodide	4.007	142	32362	19.117	ug/l	98
11) Tert butyl alcohol	4.866	59	10545	92.580	ug/l	96
12) 1,1-Dichloroethene	3.787	96	31585	21.124	ug/l	96
13) Acrolein	3.653	56	7982	56.231	ug/l	97
14) Allyl chloride	4.379	41	47569	20.265	ug/l	99
15) Acrylonitrile	5.061	53	35424	100.001	ug/l	98
16) Acetone	3.879	43	44832	138.427	ug/l	98
17) Carbon Disulfide	4.104	76	94900	19.824	ug/l	100
18) Methyl Acetate	4.379	43	16705	17.418	ug/l	92
19) Methyl tert-butyl Ether	5.116	73	82167	19.510	ug/l	97
20) Methylene Chloride	4.616	84	37910	20.607	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	35265	21.073	ug/l	98
22) Diisopropyl ether	6.025	45	109315	20.922	ug/l	99
23) Vinyl Acetate	5.964	43	299235	96.762	ug/l	100
24) 1,1-Dichloroethane	5.921	63	67905	22.061	ug/l	100
25) 2-Butanone	6.896	43	54465	116.587	ug/l	100
26) 2,2-Dichloropropane	6.884	77	59073	21.721	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	41038	21.216	ug/l	95
28) Bromochloromethane	7.244	49	29171	21.741	ug/l	98
29) Tetrahydrofuran	7.262	42	26781	88.884	ug/l	97
30) Chloroform	7.421	83	68158	22.356	ug/l	93
31) Cyclohexane	7.707	56	59110	19.289	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	59403	21.949	ug/l	99
36) 1,1-Dichloropropene	7.835	75	50191	21.272	ug/l	98
37) Ethyl Acetate	6.988	43	20815	19.782	ug/l	97
38) Carbon Tetrachloride	7.823	117	50646	20.924	ug/l	98
39) Methylcyclohexane	9.109	83	61074	19.262	ug/l	98
40) Benzene	8.085	78	149138	21.401	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	9524	15.496	ug/l #	83
42) 1,2-Dichloroethane	8.158	62	39323	20.666	ug/l	99
43) Isopropyl Acetate	8.201	43	42050	18.504	ug/l	99
44) Trichloroethene	8.866	130	36919	21.676	ug/l	96
45) 1,2-Dichloropropane	9.140	63	36490	22.156	ug/l	94
46) Dibromomethane	9.231	93	19341	20.874	ug/l	98
47) Bromodichloromethane	9.427	83	51094	21.747	ug/l	99
48) Methyl methacrylate	9.219	41	17850	16.737	ug/l	94
49) 1,4-Dioxane	9.238	88	4378	398.833	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	103086	90.987	ug/l	98
52) Toluene	10.170	92	92504	21.122	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	42958	19.515	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	53391	20.836	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	25058	21.209	ug/l	94
56) Ethyl methacrylate	10.439	69	31765	18.602	ug/l	99
57) 1,3-Dichloropropane	10.719	76	43297	20.676	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	78333	101.035	ug/l	100
59) 2-Hexanone	10.762	43	74693	98.575	ug/l	97
60) Dibromochloromethane	10.914	129	31411	20.920	ug/l	94
61) 1,2-Dibromoethane	11.012	107	21829	20.271	ug/l	95
64) Tetrachloroethene	10.646	164	38972	22.227	ug/l	96
65) Chlorobenzene	11.444	112	94016	20.844	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	32282	21.246	ug/l	99
67) Ethyl Benzene	11.518	91	172504	20.620	ug/l	99
68) m/p-Xylenes	11.627	106	128433	40.497	ug/l	99
69) o-Xylene	11.957	106	60376	20.305	ug/l	98
70) Styrene	11.969	104	99066	20.156	ug/l	98
71) Bromoform	12.133	173	15438	19.093	ug/l #	98
73) Isopropylbenzene	12.255	105	156699	20.715	ug/l	98
74) N-amyl acetate	12.072	43	34200	17.918	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	25611	20.628	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	19200m	18.215	ug/l	
77) Bromobenzene	12.536	156	33522	21.000	ug/l	99
78) n-propylbenzene	12.597	91	193141	20.904	ug/l	100
79) 2-Chlorotoluene	12.682	91	102546	20.941	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	124242	20.920	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	8380	19.198	ug/l	95
82) 4-Chlorotoluene	12.780	91	103617	20.512	ug/l	99
83) tert-Butylbenzene	12.999	119	110702	20.769	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	122046	20.547	ug/l	98
85) sec-Butylbenzene	13.176	105	170732	20.914	ug/l	99
86) p-Isopropyltoluene	13.292	119	135968	20.206	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	67629	20.910	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	66707	21.265	ug/l	99
89) n-Butylbenzene	13.615	91	131483	20.595	ug/l	100
90) Hexachloroethane	13.877	117	27782	21.207	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	56747	20.665	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3553	19.656	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	30569	20.411	ug/l	96
94) Hexachlorobutadiene	15.023	225	17103	20.691	ug/l	95
95) Naphthalene	15.145	128	51859	18.044	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	25018	19.492	ug/l	97

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

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