

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061825\
 Data File : VY022730.D
 Acq On : 18 Jun 2025 10:51
 Operator : SY/MD
 Sample : VY0618SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0618SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/21/2025
 Supervised By : Mahesh Dadoda 06/21/2025

Quant Time: Jun 19 03:57:20 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	136345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	232845	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	201128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	92649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	82599	54.165	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.340%			
35) Dibromofluoromethane	7.634	113	76108	54.762	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.520%			
50) Toluene-d8	10.109	98	296400	52.781	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.560%			
62) 4-Bromofluorobenzene	12.407	95	86110	51.464	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	26903	22.039	ug/l	94
3) Chloromethane	2.074	50	73184	20.294	ug/l	95
4) Vinyl Chloride	2.208	62	97719	23.358	ug/l	98
5) Bromomethane	2.592	94	98408	24.542	ug/l	98
6) Chloroethane	2.732	64	71654	24.954	ug/l	97
7) Trichlorofluoromethane	3.049	101	88327	24.870	ug/l	94
8) Diethyl Ether	3.458	74	17596	22.000	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	33636	22.487	ug/l	98
10) Methyl Iodide	4.007	142	30376	18.765	ug/l	99
11) Tert butyl alcohol	4.872	59	10947	100.508	ug/l	97
12) 1,1-Dichloroethene	3.787	96	30087	21.043	ug/l	91
13) Acrolein	3.653	56	8772	64.625	ug/l	100
14) Allyl chloride	4.391	41	44341	19.755	ug/l	93
15) Acrylonitrile	5.073	53	37103	109.534	ug/l	97
16) Acetone	3.872	43	47640	153.829	ug/l	94
17) Carbon Disulfide	4.110	76	91966	20.091	ug/l	97
18) Methyl Acetate	4.384	43	19827	21.620	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	85508	21.233	ug/l	98
20) Methylene Chloride	4.622	84	40721	23.148	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	35026	21.888	ug/l	95
22) Diisopropyl ether	6.024	45	108410	21.698	ug/l	98
23) Vinyl Acetate	5.963	43	311776	105.431	ug/l	98
24) 1,1-Dichloroethane	5.915	63	65459	22.240	ug/l	98
25) 2-Butanone	6.902	43	56957	127.502	ug/l	95
26) 2,2-Dichloropropane	6.890	77	57988	22.298	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	41240	22.296	ug/l	99
28) Bromochloromethane	7.250	49	29782	23.212	ug/l	98
29) Tetrahydrofuran	7.274	42	29922	103.853	ug/l	98
30) Chloroform	7.427	83	68340	23.441	ug/l	99
31) Cyclohexane	7.707	56	58668	20.021	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	58195	22.486	ug/l	99
36) 1,1-Dichloropropene	7.841	75	46773	20.736	ug/l	96
37) Ethyl Acetate	6.988	43	21643m	21.516	ug/l	
38) Carbon Tetrachloride	7.823	117	50074	21.640	ug/l	97
39) Methylcyclohexane	9.109	83	58998	19.463	ug/l	96
40) Benzene	8.085	78	147900	22.200	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	10641	18.110	ug/l #	65
42) 1,2-Dichloroethane	8.158	62	40187	22.092	ug/l	99
43) Isopropyl Acetate	8.201	43	44403	20.439	ug/l #	84
44) Trichloroethene	8.871	130	35060	21.532	ug/l	96
45) 1,2-Dichloropropane	9.146	63	35130	22.312	ug/l	92
46) Dibromomethane	9.231	93	19314	21.804	ug/l	99
47) Bromodichloromethane	9.426	83	51307	22.843	ug/l	96
48) Methyl methacrylate	9.225	41	20785	20.385	ug/l	98
49) 1,4-Dioxane	9.237	88	4528	431.478	ug/l	91
51) 4-Methyl-2-Pentanone	9.999	43	114227	105.459	ug/l	99
52) Toluene	10.176	92	89214	21.309	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	43426	20.635	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	53438	21.813	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	26103	23.110	ug/l	96
56) Ethyl methacrylate	10.444	69	31952	19.572	ug/l	96
57) 1,3-Dichloropropane	10.719	76	44463	22.210	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	78859	106.394	ug/l	99
59) 2-Hexanone	10.761	43	82695	114.158	ug/l	98
60) Dibromochloromethane	10.914	129	31860	22.196	ug/l	98
61) 1,2-Dibromoethane	11.017	107	23416	22.745	ug/l	95
64) Tetrachloroethene	10.652	164	36911	21.334	ug/l	93
65) Chlorobenzene	11.444	112	94455	21.222	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	32189	21.469	ug/l	99
67) Ethyl Benzene	11.523	91	167371	20.275	ug/l	99
68) m/p-Xylenes	11.627	106	126280	40.352	ug/l	100
69) o-Xylene	11.956	106	58632	19.983	ug/l	99
70) Styrene	11.968	104	98486	20.307	ug/l	99
71) Bromoform	12.133	173	16332	20.470	ug/l #	97
73) Isopropylbenzene	12.255	105	155001	20.378	ug/l	98
74) N-amyl acetate	12.072	43	37153	19.358	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	27837	22.298	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	21059m	19.868	ug/l	
77) Bromobenzene	12.535	156	34465	21.471	ug/l	99
78) n-propylbenzene	12.596	91	191857	20.651	ug/l	99
79) 2-Chlorotoluene	12.682	91	102147	20.745	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	123677	20.710	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	8117	18.494	ug/l	94
82) 4-Chlorotoluene	12.779	91	105728	20.814	ug/l	100
83) tert-Butylbenzene	12.999	119	110978	20.706	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	121625	20.363	ug/l	100
85) sec-Butylbenzene	13.176	105	168918	20.578	ug/l	99
86) p-Isopropyltoluene	13.291	119	136936	20.238	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	68125	20.947	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	66241	21.000	ug/l	99
89) n-Butylbenzene	13.615	91	132277	20.605	ug/l	99
90) Hexachloroethane	13.877	117	28539	21.665	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	58262	21.100	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4142	22.788	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	32042	21.277	ug/l	94
94) Hexachlorobutadiene	15.023	225	17818	21.437	ug/l	97
95) Naphthalene	15.145	128	55317	19.141	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	26951	20.882	ug/l	98

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

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