

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061825\
 Data File : VY022731.D
 Acq On : 18 Jun 2025 11:14
 Operator : SY/MD
 Sample : VY0618SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 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 03:58:16 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	139098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	235183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	196605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	91586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	78331	50.350	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.700%			
35) Dibromofluoromethane	7.640	113	73636	52.456	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.920%			
50) Toluene-d8	10.109	98	285718	50.373	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.740%			
62) 4-Bromofluorobenzene	12.401	95	80159	47.432	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	25978	20.860	ug/l	100
3) Chloromethane	2.068	50	73214	19.900	ug/l	98
4) Vinyl Chloride	2.202	62	99660	23.351	ug/l	97
5) Bromomethane	2.592	94	97187	23.758	ug/l	98
6) Chloroethane	2.732	64	73411	25.060	ug/l	97
7) Trichlorofluoromethane	3.049	101	88784	24.504	ug/l	99
8) Diethyl Ether	3.458	74	17800	21.815	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.811	101	33175	21.740	ug/l	99
10) Methyl Iodide	4.006	142	31517	19.085	ug/l	99
11) Tert butyl alcohol	4.872	59	12752	114.763	ug/l	97
12) 1,1-Dichloroethene	3.787	96	31764	21.776	ug/l	99
13) Acrolein	3.659	56	8869	64.046	ug/l	99
14) Allyl chloride	4.384	41	45050	19.673	ug/l	97
15) Acrylonitrile	5.061	53	37465	108.414	ug/l	99
16) Acetone	3.878	43	43368	137.264	ug/l	99
17) Carbon Disulfide	4.110	76	92655	19.841	ug/l	98
18) Methyl Acetate	4.397	43	20805	22.237	ug/l	95
19) Methyl tert-butyl Ether	5.122	73	85027	20.695	ug/l	93
20) Methylene Chloride	4.616	84	40417	22.520	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	35329	21.640	ug/l	92
22) Diisopropyl ether	6.018	45	109995	21.580	ug/l	94
23) Vinyl Acetate	5.963	43	310552	102.939	ug/l	97
24) 1,1-Dichloroethane	5.921	63	68155	22.697	ug/l	97
25) 2-Butanone	6.896	43	55393	121.546	ug/l	99
26) 2,2-Dichloropropane	6.890	77	56992	21.481	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	41704	22.101	ug/l	99
28) Bromochloromethane	7.250	49	28037	21.419	ug/l	99
29) Tetrahydrofuran	7.268	42	31776	108.105	ug/l	99
30) Chloroform	7.420	83	67181	22.588	ug/l	93
31) Cyclohexane	7.707	56	57535	19.246	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	59116	22.390	ug/l	99
36) 1,1-Dichloropropene	7.841	75	49465	21.711	ug/l	98
37) Ethyl Acetate	6.988	43	21840	21.496	ug/l	99
38) Carbon Tetrachloride	7.823	117	50952	21.800	ug/l	95
39) Methylcyclohexane	9.109	83	59369	19.391	ug/l	94
40) Benzene	8.085	78	149009	22.144	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	12495m	21.054	ug/l	
42) 1,2-Dichloroethane	8.164	62	41629	22.657	ug/l	98
43) Isopropyl Acetate	8.201	43	46110	21.013	ug/l	98
44) Trichloroethene	8.865	130	36147	21.979	ug/l	96
45) 1,2-Dichloropropane	9.140	63	35837	22.534	ug/l	98
46) Dibromomethane	9.231	93	20158	22.530	ug/l	98
47) Bromodichloromethane	9.426	83	51304	22.615	ug/l	96
48) Methyl methacrylate	9.225	41	21086	20.475	ug/l	98
49) 1,4-Dioxane	9.231	88	4154	391.904	ug/l #	81
51) 4-Methyl-2-Pentanone	9.999	43	117304	107.224	ug/l	99
52) Toluene	10.170	92	91968	21.748	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	43855	20.632	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	52658	21.281	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	26062	22.844	ug/l	96
56) Ethyl methacrylate	10.438	69	31898	19.345	ug/l	97
57) 1,3-Dichloropropane	10.713	76	44659	22.086	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	83294	111.260	ug/l	99
59) 2-Hexanone	10.761	43	82208	112.357	ug/l	98
60) Dibromochloromethane	10.914	129	31634	21.819	ug/l	100
61) 1,2-Dibromoethane	11.011	107	23900	22.985	ug/l	93
64) Tetrachloroethene	10.645	164	43027	25.441	ug/l	96
65) Chlorobenzene	11.438	112	95201	21.882	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	32020	21.848	ug/l	99
67) Ethyl Benzene	11.517	91	169464	21.001	ug/l	99
68) m/p-Xylenes	11.627	106	126626	41.394	ug/l	100
69) o-Xylene	11.950	106	59531	20.757	ug/l	100
70) Styrene	11.968	104	100250	21.146	ug/l	99
71) Bromoform	12.127	173	17431	22.350	ug/l #	99
73) Isopropylbenzene	12.255	105	156245	20.779	ug/l	99
74) N-amyl acetate	12.066	43	39120	20.619	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	25155	20.383	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	20566m	19.628	ug/l	
77) Bromobenzene	12.529	156	33559	21.150	ug/l	97
78) n-propylbenzene	12.596	91	192441	20.954	ug/l	100
79) 2-Chlorotoluene	12.676	91	101139	20.778	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	122879	20.815	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	9028	20.808	ug/l	95
82) 4-Chlorotoluene	12.773	91	104527	20.817	ug/l	97
83) tert-Butylbenzene	12.993	119	111402	21.026	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	121251	20.536	ug/l	99
85) sec-Butylbenzene	13.169	105	168515	20.767	ug/l	99
86) p-Isopropyltoluene	13.291	119	135623	20.277	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	68068	21.173	ug/l	99
88) 1,4-Dichlorobenzene	13.364	146	67350	21.599	ug/l	98
89) n-Butylbenzene	13.614	91	130243	20.524	ug/l	99
90) Hexachloroethane	13.877	117	28429	21.832	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	58779	21.534	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4232	23.553	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	30985	20.814	ug/l	97
94) Hexachlorobutadiene	15.023	225	17137	20.857	ug/l	98
95) Naphthalene	15.145	128	57453	20.111	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	27582	21.619	ug/l	97

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

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