

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022745.D
 Acq On : 19 Jun 2025 10:49
 Operator : SY/MD
 Sample : VY0619SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBS01

Manual Integrations
 APPROVED

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

Quant Time: Jun 20 02:55:27 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	7.707	168	135425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	230490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	196060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	90185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	83987	55.450	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.900%			
35) Dibromofluoromethane	7.640	113	73993	53.784	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.560%			
50) Toluene-d8	10.103	98	297322	53.486	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.980%			
62) 4-Bromofluorobenzene	12.401	95	85284	51.492	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	26096	21.523	ug/l	95
3) Chloromethane	2.068	50	65019	18.152	ug/l	98
4) Vinyl Chloride	2.202	62	88253	21.239	ug/l	98
5) Bromomethane	2.592	94	83337	20.925	ug/l	91
6) Chloroethane	2.732	64	65358	22.916	ug/l	96
7) Trichlorofluoromethane	3.050	101	83499	23.670	ug/l	99
8) Diethyl Ether	3.452	74	17678	22.253	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	34081	22.939	ug/l	99
10) Methyl Iodide	4.001	142	32515	20.223	ug/l	97
11) Tert butyl alcohol	4.860	59	12104	111.886	ug/l	96
12) 1,1-Dichloroethene	3.787	96	30544	21.508	ug/l	98
13) Acrolein	3.653	56	8808	65.331	ug/l	98
14) Allyl chloride	4.379	41	47032	21.096	ug/l	98
15) Acrylonitrile	5.061	53	38910	115.649	ug/l	98
16) Acetone	3.866	43	47919	155.781	ug/l	98
17) Carbon Disulfide	4.104	76	92467	20.337	ug/l	96
18) Methyl Acetate	4.391	43	19939	21.889	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	87026	21.756	ug/l	96
20) Methylene Chloride	4.610	84	38557	22.067	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	35720	22.473	ug/l	91
22) Diisopropyl ether	6.018	45	109899	22.146	ug/l	98
23) Vinyl Acetate	5.964	43	320488	109.114	ug/l	98
24) 1,1-Dichloroethane	5.915	63	69556	23.792	ug/l	98
25) 2-Butanone	6.890	43	59102	133.202	ug/l	100
26) 2,2-Dichloropropane	6.878	77	57336	22.197	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	40864	22.243	ug/l	96
28) Bromochloromethane	7.244	49	28957	22.722	ug/l	96
29) Tetrahydrofuran	7.268	42	31900	111.471	ug/l	99
30) Chloroform	7.421	83	66956	23.123	ug/l	95
31) Cyclohexane	7.701	56	59613	20.482	ug/l	87
32) 1,1,1-Trichloroethane	7.616	97	57994	22.561	ug/l	97
36) 1,1-Dichloropropene	7.835	75	48032	21.512	ug/l	99
37) Ethyl Acetate	6.982	43	24241	24.345	ug/l #	78
38) Carbon Tetrachloride	7.817	117	49727	21.709	ug/l	94
39) Methylcyclohexane	9.109	83	59995	19.994	ug/l	99
40) Benzene	8.079	78	148616	22.535	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	11179	19.221	ug/l #	67
42) 1,2-Dichloroethane	8.158	62	41080	22.813	ug/l	100
43) Isopropyl Acetate	8.201	43	46062	21.419	ug/l #	86
44) Trichloroethene	8.866	130	36262	22.498	ug/l	91
45) 1,2-Dichloropropane	9.140	63	36412	23.362	ug/l	99
46) Dibromomethane	9.231	93	19946	22.747	ug/l	97
47) Bromodichloromethane	9.420	83	50934	22.909	ug/l	98
48) Methyl methacrylate	9.219	41	20272	20.085	ug/l	90
49) 1,4-Dioxane	9.231	88	4577	440.604	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	120225	112.131	ug/l	98
52) Toluene	10.170	92	90080	21.735	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	45852	22.010	ug/l	93
54) cis-1,3-Dichloropropene	9.853	75	54401	22.433	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	26082	23.327	ug/l	97
56) Ethyl methacrylate	10.438	69	33531	20.749	ug/l	96
57) 1,3-Dichloropropane	10.713	76	45759	23.091	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	85409	116.408	ug/l	100
59) 2-Hexanone	10.762	43	85093	118.668	ug/l	99
60) Dibromochloromethane	10.914	129	31860	22.422	ug/l	100
61) 1,2-Dibromoethane	11.011	107	22860	22.432	ug/l	99
64) Tetrachloroethene	10.646	164	43094	25.552	ug/l	97
65) Chlorobenzene	11.438	112	96594	22.264	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	31846	21.789	ug/l	98
67) Ethyl Benzene	11.517	91	169161	21.021	ug/l	99
68) m/p-Xylenes	11.627	106	127883	41.921	ug/l	99
69) o-Xylene	11.950	106	59766	20.896	ug/l	99
70) Styrene	11.969	104	100236	21.202	ug/l	98
71) Bromoform	12.127	173	17537	22.548	ug/l #	97
73) Isopropylbenzene	12.255	105	156255	21.104	ug/l	99
74) N-amyl acetate	12.066	43	39501	21.144	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	26508	21.813	ug/l	98
76) 1,2,3-Trichloropropane	12.548	75	20149m	19.529	ug/l	
77) Bromobenzene	12.530	156	33851	21.665	ug/l	97
78) n-propylbenzene	12.590	91	193686	21.417	ug/l	100
79) 2-Chlorotoluene	12.676	91	105023	21.912	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	124094	21.348	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	8732	20.438	ug/l	96
82) 4-Chlorotoluene	12.773	91	105245	21.285	ug/l	99
83) tert-Butylbenzene	12.993	119	110529	21.185	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	121217	20.849	ug/l	99
85) sec-Butylbenzene	13.170	105	169468	21.209	ug/l	100
86) p-Isopropyltoluene	13.292	119	136555	20.733	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	68812	21.737	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	68515	22.314	ug/l	99
89) n-Butylbenzene	13.615	91	130440	20.874	ug/l	99
90) Hexachloroethane	13.877	117	28758	22.428	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	59871	22.275	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4327	24.456	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	31089	21.208	ug/l	98
94) Hexachlorobutadiene	15.023	225	17487	21.613	ug/l	99
95) Naphthalene	15.139	128	59033	20.985	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	28183	22.433	ug/l	96

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

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