

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022562.D
 Acq On : 05 Jun 2025 09:41
 Operator : SY/MD
 Sample : VY0605SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0605SBS01

Manual Integrations
 APPROVED

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

Quant Time: Jun 06 01:19:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	185960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	319893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	265176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	103268	49.651	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.300%		
35) Dibromofluoromethane	7.634	113	96100	50.331	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.660%		
50) Toluene-d8	10.103	98	389337	50.464	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.920%		
62) 4-Bromofluorobenzene	12.401	95	110996	48.286	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.580%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	35934	21.583	ug/l	98
3) Chloromethane	2.068	50	97474	19.818	ug/l	98
4) Vinyl Chloride	2.202	62	137361	24.074	ug/l	100
5) Bromomethane	2.586	94	125584	22.963	ug/l	97
6) Chloroethane	2.732	64	94921	24.237	ug/l	97
7) Trichlorofluoromethane	3.043	101	124470	25.696	ug/l	95
8) Diethyl Ether	3.452	74	22768	20.872	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	42895	21.026	ug/l	99
10) Methyl Iodide	4.001	142	38996	17.663	ug/l	99
11) Tert butyl alcohol	4.866	59	15000	100.976	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	41284	21.170	ug/l	96
13) Acrolein	3.653	56	17449	94.252	ug/l	98
14) Allyl chloride	4.372	41	62719	20.487	ug/l	98
15) Acrylonitrile	5.055	53	45665	98.843	ug/l	98
16) Acetone	3.873	43	39774	94.164	ug/l	98
17) Carbon Disulfide	4.104	76	129036	20.668	ug/l	99
18) Methyl Acetate	4.391	43	23837	19.057	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	112178	20.423	ug/l	94
20) Methylene Chloride	4.610	84	51654	21.529	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	46025	21.088	ug/l	94
22) Diisopropyl ether	6.018	45	142095	20.852	ug/l	97
23) Vinyl Acetate	5.957	43	408238	101.218	ug/l	99
24) 1,1-Dichloroethane	5.909	63	85887	21.395	ug/l	99
25) 2-Butanone	6.896	43	61458	100.871	ug/l	94
26) 2,2-Dichloropropane	6.884	77	74884	21.112	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	53578	21.239	ug/l	99
28) Bromochloromethane	7.238	49	34931	19.961	ug/l	99
29) Tetrahydrofuran	7.262	42	38399	97.717	ug/l	98
30) Chloroform	7.421	83	84488	21.248	ug/l	96
31) Cyclohexane	7.701	56	79881	19.987	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	74288	21.046	ug/l	97
36) 1,1-Dichloropropene	7.835	75	63932	20.630	ug/l	99
37) Ethyl Acetate	6.982	43	28467	20.599	ug/l	98
38) Carbon Tetrachloride	7.817	117	65817	20.703	ug/l	97
39) Methylcyclohexane	9.109	83	83418	20.031	ug/l	97
40) Benzene	8.079	78	191373	20.908	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	13605	16.854	ug/l	87
42) 1,2-Dichloroethane	8.158	62	52311	20.932	ug/l	99
43) Isopropyl Acetate	8.201	43	59989	20.099	ug/l	100
44) Trichloroethene	8.866	130	46117	20.615	ug/l	94
45) 1,2-Dichloropropane	9.140	63	45262	20.924	ug/l	99
46) Dibromomethane	9.231	93	24460	20.099	ug/l	99
47) Bromodichloromethane	9.420	83	64131	20.783	ug/l	100
48) Methyl methacrylate	9.219	41	26124	18.649	ug/l	98
49) 1,4-Dioxane	9.231	88	5680	393.970	ug/l	88
51) 4-Methyl-2-Pentanone	9.999	43	144633	97.196	ug/l	98
52) Toluene	10.170	92	118135	20.538	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	56828	19.655	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	68811	20.445	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	30617	19.730	ug/l	96
56) Ethyl methacrylate	10.438	69	42048	18.748	ug/l	96
57) 1,3-Dichloropropane	10.713	76	54317	19.749	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	99909	98.114	ug/l	99
59) 2-Hexanone	10.755	43	95337	95.797	ug/l	98
60) Dibromochloromethane	10.908	129	39626	20.094	ug/l	98
61) 1,2-Dibromoethane	11.011	107	28445	20.112	ug/l	98
64) Tetrachloroethene	10.646	164	46452	20.364	ug/l	98
65) Chlorobenzene	11.438	112	122017	20.794	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	39130	19.795	ug/l	96
67) Ethyl Benzene	11.517	91	220134	20.226	ug/l	97
68) m/p-Xylenes	11.627	106	164620	39.899	ug/l	100
69) o-Xylene	11.950	106	77686	20.082	ug/l	100
70) Styrene	11.969	104	126313	19.754	ug/l	98
71) Bromoform	12.127	173	20908	19.876	ug/l #	98
73) Isopropylbenzene	12.249	105	207625	20.870	ug/l	99
74) N-amyl acetate	12.072	43	48535	19.335	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33569	20.559	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	28455m	20.526	ug/l	
77) Bromobenzene	12.529	156	41906	19.961	ug/l	99
78) n-propylbenzene	12.590	91	249452	20.530	ug/l	100
79) 2-Chlorotoluene	12.676	91	131777	20.462	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	158482	20.291	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	10424	18.159	ug/l	95
82) 4-Chlorotoluene	12.773	91	133141	20.041	ug/l	99
83) tert-Butylbenzene	12.993	119	146274	20.867	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	158008	20.227	ug/l	100
85) sec-Butylbenzene	13.176	105	220482	20.537	ug/l	100
86) p-Isopropyltoluene	13.292	119	175127	19.790	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	86453	20.325	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	83523	20.246	ug/l	99
89) n-Butylbenzene	13.615	91	170632	20.323	ug/l	100
90) Hexachloroethane	13.877	117	36555	21.218	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	70965	19.651	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4326	18.198	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	38134	19.361	ug/l	98
94) Hexachlorobutadiene	15.023	225	21255	19.552	ug/l	100
95) Naphthalene	15.139	128	69356	18.350	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	32110	19.023	ug/l	98

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

