

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
 Data File : VY022654.D
 Acq On : 11 Jun 2025 11:01
 Operator : SY/MD
 Sample : VY0611SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0611SBS01

Quant Time: Jun 12 05:03:45 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 :Mahesh Dadoda 06/12/2025
 Supervised By :Semsettin Yesilyurt 06/12/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	154377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	263261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	218934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	105447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	90043	52.150	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.300%			
35) Dibromofluoromethane	7.634	113	83823	53.345	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.680%			
50) Toluene-d8	10.103	98	341908	53.850	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.700%			
62) 4-Bromofluorobenzene	12.408	95	96721	51.128	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	30354	21.962	ug/l	97
3) Chloromethane	2.068	50	78092	19.125	ug/l	100
4) Vinyl Chloride	2.202	62	107977	22.795	ug/l	97
5) Bromomethane	2.592	94	102939	22.674	ug/l	96
6) Chloroethane	2.732	64	78962	24.287	ug/l	94
7) Trichlorofluoromethane	3.050	101	97294	24.195	ug/l	100
8) Diethyl Ether	3.458	74	18737	20.690	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	37387	22.075	ug/l	99
10) Methyl Iodide	4.007	142	34979	19.085	ug/l	99
11) Tert butyl alcohol	4.872	59	11478	93.074	ug/l	95
12) 1,1-Dichloroethene	3.793	96	34837	21.519	ug/l	98
13) Acrolein	3.653	56	11458	74.553	ug/l	100
14) Allyl chloride	4.385	41	50615	19.916	ug/l	99
15) Acrylonitrile	5.055	53	37482	97.728	ug/l	99
16) Acetone	3.873	43	50425	143.804	ug/l	98
17) Carbon Disulfide	4.110	76	105733	20.400	ug/l	98
18) Methyl Acetate	4.391	43	19500	18.779	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	89130	19.547	ug/l	97
20) Methylene Chloride	4.616	84	44974	22.579	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	39120	21.591	ug/l	84
22) Diisopropyl ether	6.018	45	116438	20.583	ug/l	94
23) Vinyl Acetate	5.964	43	319453	95.409	ug/l	99
24) 1,1-Dichloroethane	5.915	63	71477	21.448	ug/l	99
25) 2-Butanone	6.896	43	59179	117.002	ug/l	100
26) 2,2-Dichloropropane	6.890	77	64822	22.014	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	45115	21.542	ug/l	99
28) Bromochloromethane	7.244	49	29937	20.607	ug/l	100
29) Tetrahydrofuran	7.268	42	30329	92.970	ug/l	98
30) Chloroform	7.421	83	73510	22.269	ug/l	97
31) Cyclohexane	7.701	56	65893	19.860	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	65077	22.208	ug/l	99
36) 1,1-Dichloropropene	7.835	75	54754	21.470	ug/l	99
37) Ethyl Acetate	6.988	43	22158m	19.483	ug/l	
38) Carbon Tetrachloride	7.817	117	55534	21.227	ug/l	99
39) Methylcyclohexane	9.109	83	68109	19.873	ug/l	98
40) Benzene	8.079	78	159964	21.236	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	12140	18.275	ug/l	95
42) 1,2-Dichloroethane	8.158	62	43385	21.094	ug/l	97
43) Isopropyl Acetate	8.201	43	45086	18.355	ug/l	99
44) Trichloroethene	8.866	130	41172	22.364	ug/l	98
45) 1,2-Dichloropropane	9.140	63	38468	21.609	ug/l	99
46) Dibromomethane	9.231	93	21136	21.104	ug/l	99
47) Bromodichloromethane	9.420	83	54018	21.271	ug/l	98
48) Methyl methacrylate	9.219	41	21337	18.509	ug/l	96
49) 1,4-Dioxane	9.231	88	4404	371.176	ug/l #	85
51) 4-Methyl-2-Pentanone	9.999	43	114346	93.372	ug/l	99
52) Toluene	10.170	92	99726	21.067	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	47853	20.111	ug/l	93
54) cis-1,3-Dichloropropene	9.859	75	56976	20.571	ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	26608	20.835	ug/l	97
56) Ethyl methacrylate	10.438	69	33681	18.248	ug/l	98
57) 1,3-Dichloropropane	10.719	76	46820	20.685	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	81714	97.509	ug/l	99
59) 2-Hexanone	10.762	43	85059	103.855	ug/l	99
60) Dibromochloromethane	10.914	129	32871	20.254	ug/l	99
61) 1,2-Dibromoethane	11.018	107	23589	20.266	ug/l	99
64) Tetrachloroethene	10.646	164	46718	24.806	ug/l	96
65) Chlorobenzene	11.438	112	104666	21.604	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	34342	21.042	ug/l	99
67) Ethyl Benzene	11.517	91	185737	20.670	ug/l	97
68) m/p-Xylenes	11.627	106	143316	42.072	ug/l	98
69) o-Xylene	11.956	106	66721	20.891	ug/l	100
70) Styrene	11.969	104	106861	20.241	ug/l	99
71) Bromoform	12.133	173	16640	19.160	ug/l #	100
73) Isopropylbenzene	12.255	105	174297	20.133	ug/l	100
74) N-amyl acetate	12.072	43	38545	17.646	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	25003	17.597	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	21166m	17.545	ug/l	
77) Bromobenzene	12.530	156	37602	20.583	ug/l	97
78) n-propylbenzene	12.597	91	215383	20.369	ug/l	99
79) 2-Chlorotoluene	12.676	91	112124	20.007	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	139655	20.548	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	8871	17.758	ug/l	98
82) 4-Chlorotoluene	12.779	91	116584	20.166	ug/l	98
83) tert-Butylbenzene	12.999	119	124991	20.490	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	137643	20.248	ug/l	99
85) sec-Butylbenzene	13.176	105	192733	20.630	ug/l	100
86) p-Isopropyltoluene	13.292	119	155523	20.196	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	75686	20.448	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	73268	20.409	ug/l	98
89) n-Butylbenzene	13.615	91	151386	20.720	ug/l	99
90) Hexachloroethane	13.877	117	30995	20.674	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	63879	20.327	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3788	18.311	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	36161	21.098	ug/l	98
94) Hexachlorobutadiene	15.023	225	21601	22.834	ug/l	95
95) Naphthalene	15.145	128	62008	18.852	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	30902	21.038	ug/l	99

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

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