

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022813.D
 Acq On : 25 Jun 2025 10:18
 Operator : SY/MD
 Sample : VY0625SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0625SBS01

Quant Time: Jun 26 01:21:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/26/2025
 Supervised By :Semsettin Yesilyurt 06/26/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	433589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	722109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	625216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	303331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	242621	50.136	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.280%	
35) Dibromofluoromethane	7.628	113	220103	50.120	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.240%	
50) Toluene-d8	10.103	98	890330	51.092	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.180%	
62) 4-Bromofluorobenzene	12.402	95	278337	49.686	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.380%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	81186	21.897	ug/l	95
3) Chloromethane	2.068	50	135254	19.104	ug/l	97
4) Vinyl Chloride	2.202	62	179649	20.311	ug/l	99
5) Bromomethane	2.586	94	158066	22.731	ug/l	100
6) Chloroethane	2.726	64	120447	20.258	ug/l	99
7) Trichlorofluoromethane	3.050	101	204622	20.893	ug/l	99
8) Diethyl Ether	3.452	74	48452	20.030	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	92792	20.732	ug/l	97
10) Methyl Iodide	4.001	142	87122	17.878	ug/l	99
11) Tert butyl alcohol	4.860	59	32380	100.628	ug/l	97
12) 1,1-Dichloroethene	3.781	96	89307	20.349	ug/l	92
13) Acrolein	3.647	56	42800	98.090	ug/l	100
14) Allyl chloride	4.379	41	132935	19.693	ug/l	96
15) Acrylonitrile	5.055	53	100224	99.304	ug/l	100
16) Acetone	3.866	43	118455	129.507	ug/l	98
17) Carbon Disulfide	4.098	76	284304	20.053	ug/l	98
18) Methyl Acetate	4.385	43	55302	18.257	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	243361	20.365	ug/l	98
20) Methylene Chloride	4.610	84	128175	22.190	ug/l	95
21) trans-1,2-Dichloroethene	5.104	96	99994	19.936	ug/l	97
22) Diisopropyl ether	6.012	45	296254	19.762	ug/l	97
23) Vinyl Acetate	5.958	43	846321	102.218	ug/l	96
24) 1,1-Dichloroethane	5.909	63	181309	20.023	ug/l	98
25) 2-Butanone	6.890	43	149586	112.367	ug/l	95
26) 2,2-Dichloropropane	6.878	77	154476	20.351	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	116946	20.065	ug/l	98
28) Bromochloromethane	7.238	49	74195	19.490	ug/l	91
29) Tetrahydrofuran	7.256	42	83626	99.484	ug/l	97
30) Chloroform	7.415	83	186763	20.025	ug/l	96
31) Cyclohexane	7.695	56	169303	20.368	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	163141	20.242	ug/l	99
36) 1,1-Dichloropropene	7.829	75	135413	20.343	ug/l	99
37) Ethyl Acetate	6.982	43	59185	20.605	ug/l	98
38) Carbon Tetrachloride	7.817	117	143061	20.369	ug/l	100
39) Methylcyclohexane	9.103	83	177352	20.588	ug/l	99
40) Benzene	8.079	78	411248	20.095	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	31682	17.917	ug/l	92
42) 1,2-Dichloroethane	8.152	62	114922	20.492	ug/l	99
43) Isopropyl Acetate	8.195	43	120554	20.194	ug/l	98
44) Trichloroethene	8.859	130	107469	20.915	ug/l	100
45) 1,2-Dichloropropane	9.140	63	95404	19.918	ug/l	96
46) Dibromomethane	9.231	93	55489	20.407	ug/l	97
47) Bromodichloromethane	9.420	83	142732	20.357	ug/l	100
48) Methyl methacrylate	9.219	41	56946	19.842	ug/l	93
49) 1,4-Dioxane	9.231	88	13775	428.799	ug/l	94
51) 4-Methyl-2-Pentanone	9.993	43	312167	102.898	ug/l	95
52) Toluene	10.164	92	260309	20.161	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	126276	20.017	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	148869	20.352	ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	72106	20.479	ug/l	96
56) Ethyl methacrylate	10.438	69	94517	19.953	ug/l	95
57) 1,3-Dichloropropane	10.713	76	123837	20.159	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	231051	102.647	ug/l	96
59) 2-Hexanone	10.755	43	225152	109.161	ug/l	97
60) Dibromochloromethane	10.908	129	91915	20.211	ug/l	99
61) 1,2-Dibromoethane	11.012	107	65422	19.856	ug/l	99
64) Tetrachloroethene	10.640	164	128793	21.806	ug/l	98
65) Chlorobenzene	11.438	112	273856	19.934	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.511	131	91854	19.740	ug/l	99
67) Ethyl Benzene	11.518	91	484455	20.071	ug/l	99
68) m/p-Xylenes	11.627	106	371550	39.820	ug/l	98
69) o-Xylene	11.950	106	173353	19.717	ug/l	98
70) Styrene	11.963	104	288868	19.615	ug/l	99
71) Bromoform	12.127	173	50492	19.488	ug/l #	98
73) Isopropylbenzene	12.249	105	454532	20.261	ug/l	99
74) N-amyl acetate	12.066	43	105475	20.947	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	68614	18.978	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	62922m	20.319	ug/l	
77) Bromobenzene	12.530	156	102271	20.113	ug/l	99
78) n-propylbenzene	12.590	91	554312	20.466	ug/l	98
79) 2-Chlorotoluene	12.676	91	307549	20.098	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	369334	20.394	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	24529	20.011	ug/l	98
82) 4-Chlorotoluene	12.773	91	317157	19.731	ug/l	99
83) tert-Butylbenzene	12.993	119	332288	20.806	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	362862	20.013	ug/l	100
85) sec-Butylbenzene	13.170	105	495337	20.613	ug/l	99
86) p-Isopropyltoluene	13.285	119	404929	20.249	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	200924	19.675	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	202091	19.922	ug/l	99
89) n-Butylbenzene	13.615	91	386027	20.522	ug/l	99
90) Hexachloroethane	13.877	117	81416	20.442	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	177811	19.758	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11840	19.311	ug/l	98
93) 1,2,4-Trichlorobenzene	14.913	180	103180	20.306	ug/l	98
94) Hexachlorobutadiene	15.017	225	59479	20.700	ug/l	97
95) Naphthalene	15.139	128	183849	20.008	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	85735	19.526	ug/l	99

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

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