

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
 Data File : VY022668.D
 Acq On : 12 Jun 2025 12:46
 Operator : SY/MD
 Sample : VY0612SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0612SBS01

Quant Time: Jun 13 05:38:34 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 06/13/2025
 Supervised By :Semsettin Yesilyurt 06/13/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	165374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	278756	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	235023	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	109296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	87487	47.300	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.600%			
35) Dibromofluoromethane	7.634	113	85218	51.218	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.440%			
50) Toluene-d8	10.103	98	340765	50.687	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.380%			
62) 4-Bromofluorobenzene	12.401	95	96341	48.096	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	30736	20.759	ug/l	90
3) Chloromethane	2.068	50	82576	18.879	ug/l	99
4) Vinyl Chloride	2.202	62	124334	24.503	ug/l	100
5) Bromomethane	2.586	94	111370	22.899	ug/l	98
6) Chloroethane	2.726	64	87131	25.017	ug/l	91
7) Trichlorofluoromethane	3.043	101	121703	28.253	ug/l	98
8) Diethyl Ether	3.445	74	18711	19.288	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.805	101	37251	20.532	ug/l	99
10) Methyl Iodide	4.000	142	32801	16.706	ug/l	99
11) Tert butyl alcohol	4.860	59	12188	92.259	ug/l	99
12) 1,1-Dichloroethene	3.787	96	35964	20.738	ug/l	91
13) Acrolein	3.653	56	11314	68.721	ug/l	95
14) Allyl chloride	4.372	41	49595	18.217	ug/l	98
15) Acrylonitrile	5.055	53	37043	90.161	ug/l	99
16) Acetone	3.866	43	39647	105.548	ug/l	91
17) Carbon Disulfide	4.098	76	105499	19.001	ug/l	99
18) Methyl Acetate	4.378	43	17509	15.741	ug/l	95
19) Methyl tert-butyl Ether	5.110	73	92468	18.931	ug/l	99
20) Methylene Chloride	4.604	84	44862	21.025	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	39296	20.246	ug/l	92
22) Diisopropyl ether	6.018	45	114741	18.934	ug/l	97
23) Vinyl Acetate	5.957	43	324232	90.397	ug/l	96
24) 1,1-Dichloroethane	5.908	63	72050	20.182	ug/l	99
25) 2-Butanone	6.896	43	51293	94.667	ug/l	99
26) 2,2-Dichloropropane	6.878	77	63993	20.287	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	45363	20.220	ug/l	97
28) Bromochloromethane	7.237	49	29572	19.003	ug/l	94
29) Tetrahydrofuran	7.268	42	29909	85.586	ug/l	97
30) Chloroform	7.414	83	71748	20.290	ug/l	94
31) Cyclohexane	7.701	56	66516	18.715	ug/l	87
32) 1,1,1-Trichloroethane	7.609	97	65291	20.800	ug/l	98
36) 1,1-Dichloropropene	7.835	75	55323	20.487	ug/l	100
37) Ethyl Acetate	6.981	43	21809	18.110	ug/l	98
38) Carbon Tetrachloride	7.817	117	56492	20.393	ug/l	97
39) Methylcyclohexane	9.103	83	71268	19.639	ug/l	97
40) Benzene	8.079	78	164443	20.617	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	14756m	20.978	ug/l	
42) 1,2-Dichloroethane	8.158	62	42544	19.536	ug/l	98
43) Isopropyl Acetate	8.195	43	44775	17.216	ug/l	97
44) Trichloroethene	8.859	130	39971	20.505	ug/l	98
45) 1,2-Dichloropropane	9.140	63	38152	20.240	ug/l	98
46) Dibromomethane	9.231	93	20590	19.416	ug/l	97
47) Bromodichloromethane	9.420	83	55021	20.462	ug/l #	96
48) Methyl methacrylate	9.219	41	20783	17.026	ug/l	96
49) 1,4-Dioxane	9.225	88	5387	428.788	ug/l	89
51) 4-Methyl-2-Pentanone	9.993	43	112460	86.728	ug/l	96
52) Toluene	10.170	92	101428	20.236	ug/l	100
53) t-1,3-Dichloropropene	10.389	75	49066	19.475	ug/l	92
54) cis-1,3-Dichloropropene	9.853	75	58721	20.022	ug/l	96
55) 1,1,2-Trichloroethane	10.566	97	28022	20.723	ug/l	95
56) Ethyl methacrylate	10.438	69	34610	17.709	ug/l	100
57) 1,3-Dichloropropane	10.712	76	46411	19.365	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.707	63	84117	94.797	ug/l	100
59) 2-Hexanone	10.755	43	75535	87.100	ug/l	95
60) Dibromochloromethane	10.908	129	34068	19.825	ug/l	99
61) 1,2-Dibromoethane	11.017	107	25049	20.324	ug/l	94
64) Tetrachloroethene	10.645	164	45104	22.310	ug/l	97
65) Chlorobenzene	11.438	112	107200	20.612	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	34116	19.473	ug/l	95
67) Ethyl Benzene	11.517	91	189574	19.653	ug/l	94
68) m/p-Xylenes	11.627	106	147464	40.326	ug/l	98
69) o-Xylene	11.950	106	69268	20.204	ug/l	96
70) Styrene	11.968	104	114292	20.167	ug/l	95
71) Bromoform	12.133	173	17867	19.164	ug/l #	98
73) Isopropylbenzene	12.249	105	181899	20.271	ug/l	99
74) N-amyl acetate	12.066	43	39622	17.500	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	28587	19.411	ug/l	95
76) 1,2,3-Trichloropropane	12.554	75	23146m	18.511	ug/l	
77) Bromobenzene	12.529	156	38511	20.338	ug/l	97
78) n-propylbenzene	12.590	91	223817	20.422	ug/l	99
79) 2-Chlorotoluene	12.676	91	117852	20.289	ug/l	98
80) 1,3,5-Trimethylbenzene	12.730	105	142887	20.283	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	8949	17.284	ug/l	97
82) 4-Chlorotoluene	12.773	91	119437	19.932	ug/l	97
83) tert-Butylbenzene	12.993	119	127559	20.174	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	139480	19.796	ug/l	98
85) sec-Butylbenzene	13.169	105	198246	20.472	ug/l	99
86) p-Isopropyltoluene	13.285	119	163685	20.507	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	79412	20.699	ug/l	96
88) 1,4-Dichlorobenzene	13.364	146	76421	20.537	ug/l	99
89) n-Butylbenzene	13.614	91	158232	20.894	ug/l	99
90) Hexachloroethane	13.877	117	31650	20.368	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	66079	20.286	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4374	20.399	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	39260	22.099	ug/l	97
94) Hexachlorobutadiene	15.023	225	22032	22.469	ug/l	96
95) Naphthalene	15.138	128	66544	19.519	ug/l	99
96) 1,2,3-Trichlorobenzene	15.321	180	32485	21.336	ug/l	99

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

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