

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070125\
 Data File : VY022894.D
 Acq On : 01 Jul 2025 11:56
 Operator : SY/MD
 Sample : VY0701SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0701SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/02/2025
 Supervised By :Semsettin Yesilyurt 07/02/2025

Quant Time: Jul 02 02:44:42 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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	441348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	729792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	615236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	286908	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	234540	47.614	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.220%
35) Dibromofluoromethane	7.634	113	219940	49.556	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.120%
50) Toluene-d8	10.103	98	889005	50.478	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.960%
62) 4-Bromofluorobenzene	12.401	95	270234	47.731	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.460%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	78113	20.698	ug/l	97
3) Chloromethane	2.062	50	161222	22.372	ug/l	99
4) Vinyl Chloride	2.202	62	186099	20.670	ug/l	100
5) Bromomethane	2.592	94	148245	20.944	ug/l	100
6) Chloroethane	2.732	64	120895	19.976	ug/l	92
7) Trichlorofluoromethane	3.050	101	194631	19.523	ug/l	98
8) Diethyl Ether	3.446	74	49286	20.017	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	94739	20.795	ug/l	97
10) Methyl Iodide	4.001	142	95474	19.248	ug/l	100
11) Tert butyl alcohol	4.872	59	30083	91.846	ug/l	97
12) 1,1-Dichloroethene	3.787	96	91705	20.528	ug/l	96
13) Acrolein	3.647	56	32779	73.803	ug/l	98
14) Allyl chloride	4.379	41	141964	20.661	ug/l	95
15) Acrylonitrile	5.061	53	99397	96.753	ug/l	100
16) Acetone	3.873	43	109176	117.264	ug/l	98
17) Carbon Disulfide	4.104	76	294096	20.379	ug/l	99
18) Methyl Acetate	4.385	43	54105	17.548	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	242948	19.973	ug/l	98
20) Methylene Chloride	4.610	84	112830	19.190	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	102849	20.144	ug/l	96
22) Diisopropyl ether	6.018	45	317583	20.812	ug/l	97
23) Vinyl Acetate	5.958	43	862769	102.373	ug/l	99
24) 1,1-Dichloroethane	5.909	63	189492	20.558	ug/l	99
25) 2-Butanone	6.896	43	143301	105.754	ug/l	94
26) 2,2-Dichloropropane	6.884	77	158432	20.505	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	117357	19.781	ug/l	98
28) Bromochloromethane	7.244	49	78336	20.216	ug/l	96
29) Tetrahydrofuran	7.268	42	83819	97.961	ug/l	99
30) Chloroform	7.421	83	189818	19.995	ug/l	98
31) Cyclohexane	7.701	56	177780	21.012	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	166922	20.347	ug/l	100
36) 1,1-Dichloropropene	7.835	75	141818	21.081	ug/l	99
37) Ethyl Acetate	6.982	43	60064	20.691	ug/l	98
38) Carbon Tetrachloride	7.817	117	142951	20.139	ug/l	91
39) Methylcyclohexane	9.103	83	181274	20.822	ug/l	98
40) Benzene	8.079	78	423631	20.482	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	34495	19.302	ug/l	96
42) 1,2-Dichloroethane	8.158	62	114840	20.262	ug/l	98
43) Isopropyl Acetate	8.195	43	121792	20.186	ug/l	99
44) Trichloroethene	8.859	130	105047	20.229	ug/l	99
45) 1,2-Dichloropropane	9.140	63	101284	20.923	ug/l	98
46) Dibromomethane	9.231	93	52661	19.163	ug/l	95
47) Bromodichloromethane	9.420	83	141766	20.006	ug/l	96
48) Methyl methacrylate	9.219	41	57869	19.952	ug/l	95
49) 1,4-Dioxane	9.231	88	11587	356.892	ug/l	94
51) 4-Methyl-2-Pentanone	9.993	43	308531	100.629	ug/l	96
52) Toluene	10.170	92	263862	20.221	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	126502	19.841	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	149097	20.169	ug/l	99
55) 1,1,2-Trichloroethane	10.566	97	69046	19.404	ug/l	98
56) Ethyl methacrylate	10.438	69	93452	19.521	ug/l	96
57) 1,3-Dichloropropane	10.713	76	123095	19.828	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	237765	104.232	ug/l	100
59) 2-Hexanone	10.755	43	214531	102.917	ug/l	98
60) Dibromochloromethane	10.908	129	90234	19.632	ug/l	99
61) 1,2-Dibromoethane	11.011	107	63575	19.093	ug/l	94
64) Tetrachloroethene	10.646	164	122671	21.106	ug/l	98
65) Chlorobenzene	11.438	112	276164	20.428	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	91635	20.013	ug/l	100
67) Ethyl Benzene	11.517	91	493009	20.756	ug/l	98
68) m/p-Xylenes	11.621	106	378446	41.217	ug/l	100
69) o-Xylene	11.950	106	176214	20.368	ug/l	99
70) Styrene	11.963	104	291871	20.141	ug/l	98
71) Bromoform	12.127	173	47568	18.657	ug/l #	99
73) Isopropylbenzene	12.249	105	456333	21.506	ug/l	99
74) N-amyl acetate	12.066	43	100462	21.093	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.499	83	69262	20.253	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	60802m	20.758	ug/l	
77) Bromobenzene	12.530	156	98548	20.490	ug/l	98
78) n-propylbenzene	12.590	91	555913	21.700	ug/l	98
79) 2-Chlorotoluene	12.676	91	305898	21.134	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	368298	21.501	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	23218	20.026	ug/l	97
82) 4-Chlorotoluene	12.773	91	315870	20.776	ug/l	100
83) tert-Butylbenzene	12.993	119	322854	21.372	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	364228	21.238	ug/l	100
85) sec-Butylbenzene	13.170	105	488516	21.493	ug/l	99
86) p-Isopropyltoluene	13.285	119	398160	21.051	ug/l	100
87) 1,3-Dichlorobenzene	13.279	146	197828	20.480	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	194643	20.286	ug/l	99
89) n-Butylbenzene	13.615	91	380865	21.407	ug/l	99
90) Hexachloroethane	13.877	117	79638	21.140	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	171378	20.133	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11663	20.111	ug/l	97
93) 1,2,4-Trichlorobenzene	14.913	180	93131	19.378	ug/l	98
94) Hexachlorobutadiene	15.017	225	53675	19.750	ug/l	96
95) Naphthalene	15.139	128	163100	18.766	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	78325	18.860	ug/l	98

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

