

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
 Data File : VY021868.D
 Acq On : 14 Apr 2025 11:28
 Operator : SY/MD
 Sample : VY0414SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0414SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/15/2025
 Supervised By :Semsettin Yesilyurt 04/15/2025

Quant Time: Apr 14 23:30:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	220948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	341870	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	307573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	163146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	118162	49.359	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.720%		
35) Dibromofluoromethane	7.634	113	115201	51.947	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.900%		
50) Toluene-d8	10.109	98	429391	50.896	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.800%		
62) 4-Bromofluorobenzene	12.408	95	148553	52.057	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	104.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	40685	17.766	ug/l	99
3) Chloromethane	2.068	50	62398	19.377	ug/l	100
4) Vinyl Chloride	2.202	62	65218	17.909	ug/l	99
5) Bromomethane	2.592	94	52723	21.227	ug/l	94
6) Chloroethane	2.732	64	44972	18.872	ug/l	100
7) Trichlorofluoromethane	3.056	101	91446	19.602	ug/l	98
8) Diethyl Ether	3.452	74	24688	19.460	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	49101	19.956	ug/l	98
10) Methyl Iodide	4.001	142	53314	19.751	ug/l	99
11) Tert butyl alcohol	4.885	59	14245	91.613	ug/l	98
12) 1,1-Dichloroethene	3.787	96	44687	19.282	ug/l	92
13) Acrolein	3.653	56	11871	41.811	ug/l	96
14) Allyl chloride	4.385	41	68485	18.534	ug/l	98
15) Acrylonitrile	5.061	53	51682	97.567	ug/l	98
16) Acetone	3.879	43	42810	87.378	ug/l	97
17) Carbon Disulfide	4.104	76	134961	17.681	ug/l	98
18) Methyl Acetate	4.385	43	28372	23.366	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	113185	19.617	ug/l	98
20) Methylene Chloride	4.610	84	55745	21.010	ug/l	90
21) trans-1,2-Dichloroethene	5.116	96	48535	19.021	ug/l	97
22) Diisopropyl ether	6.018	45	154961	19.991	ug/l	99
23) Vinyl Acetate	5.964	43	418271	92.240	ug/l	97
24) 1,1-Dichloroethane	5.915	63	90562	19.539	ug/l	100
25) 2-Butanone	6.896	43	63491	90.729	ug/l	98
26) 2,2-Dichloropropane	6.884	77	79379	19.253	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	56272	19.610	ug/l	98
28) Bromochloromethane	7.250	49	38178	19.531	ug/l	95
29) Tetrahydrofuran	7.262	42	41400	91.924	ug/l	97
30) Chloroform	7.421	83	97438	20.212	ug/l	96
31) Cyclohexane	7.701	56	75500	17.869	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	87194	20.012	ug/l	99
36) 1,1-Dichloropropene	7.835	75	65011	19.246	ug/l	98
37) Ethyl Acetate	6.988	43	31382	19.686	ug/l	99
38) Carbon Tetrachloride	7.817	117	77949	20.148	ug/l	97
39) Methylcyclohexane	9.109	83	74458	18.452	ug/l	92
40) Benzene	8.079	78	202636	20.032	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	16518m	19.511	ug/l	
42) 1,2-Dichloroethane	8.158	62	57687	20.228	ug/l	98
43) Isopropyl Acetate	8.195	43	59294	19.627	ug/l	99
44) Trichloroethene	8.866	130	53423	20.727	ug/l	99
45) 1,2-Dichloropropane	9.140	63	49064	20.491	ug/l	99
46) Dibromomethane	9.231	93	27862	20.190	ug/l	97
47) Bromodichloromethane	9.420	83	73302	20.500	ug/l	98
48) Methyl methacrylate	9.219	41	26721	19.272	ug/l	99
49) 1,4-Dioxane	9.231	88	5623	380.364	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	156400	99.483	ug/l	99
52) Toluene	10.170	92	129373	20.499	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	62426	19.655	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	75003	20.017	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	37330	21.021	ug/l	96
56) Ethyl methacrylate	10.438	69	43814	19.322	ug/l	98
57) 1,3-Dichloropropane	10.719	76	62142	20.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	117431	106.156	ug/l	97
59) 2-Hexanone	10.762	43	101470	96.914	ug/l	100
60) Dibromochloromethane	10.908	129	51389	21.194	ug/l	99
61) 1,2-Dibromoethane	11.018	107	34345	20.616	ug/l	95
64) Tetrachloroethene	10.646	164	60947	21.757	ug/l	95
65) Chlorobenzene	11.444	112	141877	20.123	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	51312	20.512	ug/l	99
67) Ethyl Benzene	11.517	91	237188	19.618	ug/l	99
68) m/p-Xylenes	11.627	106	185803	40.133	ug/l	99
69) o-Xylene	11.956	106	84247	19.714	ug/l	99
70) Styrene	11.969	104	143469	20.135	ug/l	99
71) Bromoform	12.133	173	30412	21.313	ug/l #	99
73) Isopropylbenzene	12.255	105	227543	18.778	ug/l	100
74) N-amyl acetate	12.072	43	49237	17.313	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40877	18.763	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	31627m	19.557	ug/l	
77) Bromobenzene	12.536	156	56597	19.453	ug/l	97
78) n-propylbenzene	12.597	91	278494	19.117	ug/l	98
79) 2-Chlorotoluene	12.682	91	162817	19.242	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	189264	19.111	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12729	18.136	ug/l	96
82) 4-Chlorotoluene	12.779	91	169524	19.217	ug/l	99
83) tert-Butylbenzene	12.999	119	163654	18.553	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	192330	19.649	ug/l	99
85) sec-Butylbenzene	13.176	105	248722	19.294	ug/l	100
86) p-Isopropyltoluene	13.292	119	205324	19.271	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	114903	20.046	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	115625	20.417	ug/l	98
89) n-Butylbenzene	13.621	91	188317	19.112	ug/l	99
90) Hexachloroethane	13.883	117	45320	19.411	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	101007	20.243	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6983	20.680	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	58389	21.578	ug/l	99
94) Hexachlorobutadiene	15.023	225	36060	21.338	ug/l	99
95) Naphthalene	15.145	128	95010	21.183	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	49817	21.589	ug/l	98

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

