

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010325\
 Data File : VY020768.D
 Acq On : 03 Jan 2025 14:42
 Operator : SY/MD
 Sample : VY0103SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0103SBS01

Quant Time: Jan 03 22:03:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 16:12:28 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/06/2025
 Supervised By :Mahesh Dadoda 01/06/2025

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	183535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	268484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	218395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	106515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	66862	44.476	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.960%		
35) Dibromofluoromethane	7.646	113	71015	48.020	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.040%		
50) Toluene-d8	10.115	98	281619	47.961	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.920%		
62) 4-Bromofluorobenzene	12.413	95	89453	45.515	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	91.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	24174	16.734	ug/l	95
3) Chloromethane	2.080	50	13167	24.439	ug/l	98
4) Vinyl Chloride	2.214	62	14463	21.666	ug/l	99
5) Bromomethane	2.604	94	9852	19.548	ug/l	98
6) Chloroethane	2.750	64	9025	22.537	ug/l	93
7) Trichlorofluoromethane	3.074	101	42883	16.705	ug/l	97
8) Diethyl Ether	3.464	74	12273	20.092	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.823	101	29823	21.162	ug/l	97
10) Methyl Iodide	4.018	142	29573	19.190	ug/l	91
11) Tert butyl alcohol	4.866	59	8834	80.005	ug/l #	87
12) 1,1-Dichloroethene	3.799	96	26078	20.790	ug/l	94
13) Acrolein	3.665	56	4482	142.621	ug/l	98
14) Allyl chloride	4.396	41	36837	25.095	ug/l #	79
15) Acrylonitrile	5.073	53	24564	104.095	ug/l	98
16) Acetone	3.878	43	17417	91.327	ug/l	91
17) Carbon Disulfide	4.116	76	56600	18.394	ug/l	99
18) Methyl Acetate	4.396	43	11063	21.433	ug/l	95
19) Methyl tert-butyl Ether	5.122	73	62440	17.859	ug/l	95
20) Methylene Chloride	4.628	84	27043	21.803	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	28327	20.957	ug/l	93
22) Diisopropyl ether	6.030	45	75970	25.459	ug/l #	90
23) Vinyl Acetate	5.969	43	194544	109.152	ug/l	93
24) 1,1-Dichloroethane	5.927	63	50835	22.723	ug/l #	96
25) 2-Butanone	6.902	43	27746	107.701	ug/l	91
26) 2,2-Dichloropropane	6.902	77	53222	19.436	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	34400	21.251	ug/l	99
28) Bromochloromethane	7.256	49	10400	17.579	ug/l	91
29) Tetrahydrofuran	7.274	42	17412	110.111	ug/l	92
30) Chloroform	7.433	83	56736	19.714	ug/l	93
31) Cyclohexane	7.707	56	41957	21.727	ug/l	94
32) 1,1,1-Trichloroethane	7.628	97	56262	18.238	ug/l	99
36) 1,1-Dichloropropene	7.847	75	39010	19.970	ug/l	97
37) Ethyl Acetate	6.994	43	11924	18.524	ug/l	98
38) Carbon Tetrachloride	7.829	117	53048	16.491	ug/l	93
39) Methylcyclohexane	9.115	83	48031	19.183	ug/l	98
40) Benzene	8.091	78	117612	20.774	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.231	41	8326	25.605	ug/l	87
42) 1,2-Dichloroethane	8.164	62	30323	16.704	ug/l	96
43) Isopropyl Acetate	8.201	43	25693	18.778	ug/l	96
44) Trichloroethene	8.871	130	33243	19.659	ug/l	94
45) 1,2-Dichloropropane	9.146	63	25438	22.197	ug/l	96
46) Dibromomethane	9.237	93	14273	18.000	ug/l	99
47) Bromodichloromethane	9.432	83	41651	18.527	ug/l	92
48) Methyl methacrylate	9.231	41	12039	18.842	ug/l #	89
49) 1,4-Dioxane	9.243	88	2761	365.546	ug/l #	85
51) 4-Methyl-2-Pentanone	10.005	43	64266	97.312	ug/l	99
52) Toluene	10.176	92	77116	19.874	ug/l	100
53) t-1,3-Dichloropropene	10.401	75	35577	18.018	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	42695	19.727	ug/l	93
55) 1,1,2-Trichloroethane	10.578	97	19957	19.717	ug/l	97
56) Ethyl methacrylate	10.444	69	24036	18.076	ug/l #	93
57) 1,3-Dichloropropane	10.725	76	32426	19.738	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.719	63	39026	84.164	ug/l	94
59) 2-Hexanone	10.767	43	39948	91.616	ug/l	98
60) Dibromochloromethane	10.920	129	28729	17.566	ug/l	100
61) 1,2-Dibromoethane	11.023	107	18182	19.091	ug/l	99
64) Tetrachloroethene	10.658	164	29476	19.755	ug/l	96
65) Chlorobenzene	11.450	112	83586	19.546	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.523	131	31491	19.008	ug/l	96
67) Ethyl Benzene	11.523	91	152789	20.443	ug/l	100
68) m/p-Xylenes	11.633	106	116072	40.712	ug/l	97
69) o-Xylene	11.962	106	53772	19.740	ug/l	98
70) Styrene	11.974	104	91052	19.912	ug/l	96
71) Bromoform	12.139	173	17122	17.976	ug/l #	100
73) Isopropylbenzene	12.261	105	152175	20.621	ug/l	100
74) N-amyl acetate	12.078	43	21477	20.480	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	20023	21.165	ug/l	97
76) 1,2,3-Trichloropropane	12.566	75	12516m	18.475	ug/l	
77) Bromobenzene	12.541	156	33383	19.652	ug/l	98
78) n-propylbenzene	12.602	91	174674	21.119	ug/l	98
79) 2-Chlorotoluene	12.688	91	97516	20.682	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	122172	19.871	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	6922	20.196	ug/l	87
82) 4-Chlorotoluene	12.785	91	99896	20.500	ug/l	99
83) tert-Butylbenzene	13.005	119	115015	20.031	ug/l	98
84) 1,2,4-Trimethylbenzene	13.053	105	117948	19.714	ug/l	96
85) sec-Butylbenzene	13.181	105	162368	20.982	ug/l	99
86) p-Isopropyltoluene	13.297	119	139106	20.171	ug/l	97
87) 1,3-Dichlorobenzene	13.297	146	67271	20.262	ug/l	98
88) 1,4-Dichlorobenzene	13.377	146	64991	19.678	ug/l	99
89) n-Butylbenzene	13.627	91	122534	21.285	ug/l	98
90) Hexachloroethane	13.889	117	26774	20.417	ug/l	95
91) 1,2-Dichlorobenzene	13.669	146	56507	19.850	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	2987	16.279	ug/l	96
93) 1,2,4-Trichlorobenzene	14.931	180	32118	17.750	ug/l	99
94) Hexachlorobutadiene	15.035	225	25169	19.085	ug/l	98
95) Naphthalene	15.157	128	48127	16.607	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	26775	17.772	ug/l	97

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

