

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120924\
 Data File : VY020558.D
 Acq On : 09 Dec 2024 16:30
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/10/2024
 Supervised By :Semsettin Yesilyurt 12/10/2024

Quant Time: Dec 10 04:02:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 01:39:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	123557	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	208032	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	185014	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	95016	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	85268	67.856	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.720%
35) Dibromofluoromethane	7.628	113	79503	60.705	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	121.420%
50) Toluene-d8	10.103	98	282308	56.609	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	113.220%
62) 4-Bromofluorobenzene	12.401	95	106904	61.292	ug/l	-0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	122.580%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.861	85	66660	55.309	ug/l 97
3) Chloromethane	2.068	50	73744	60.432	ug/l 99
4) Vinyl Chloride	2.202	62	71869	57.764	ug/l 97
5) Bromomethane	2.592	94	47467	65.022	ug/l 98
6) Chloroethane	2.732	64	47227	61.931	ug/l 99
7) Trichlorofluoromethane	3.056	101	128967	55.345	ug/l 96
8) Diethyl Ether	3.452	74	49243	74.583	ug/l 90
9) 1,1,2-Trichlorotrifluo...	3.812	101	77574	57.134	ug/l 98
10) Methyl Iodide	4.001	142	100002	65.608	ug/l 97
11) Tert butyl alcohol	4.854	59	35982	441.419	ug/l 99
12) 1,1-Dichloroethene	3.787	96	76435	59.593	ug/l 88
13) Acrolein	3.653	56	15537	203.579	ug/l 97
14) Allyl chloride	4.385	41	140480	61.410	ug/l 94
15) Acrylonitrile	5.049	53	113342	412.009	ug/l 98
16) Acetone	3.866	43	99248	317.644	ug/l 100
17) Carbon Disulfide	4.104	76	229237	62.446	ug/l 99
18) Methyl Acetate	4.385	43	61341	92.369	ug/l 98
19) Methyl tert-butyl Ether	5.110	73	243910	74.464	ug/l 96
20) Methylene Chloride	4.610	84	93466	70.320	ug/l 94
21) trans-1,2-Dichloroethene	5.110	96	89274	62.666	ug/l 99
22) Diisopropyl ether	6.018	45	307166	67.525	ug/l 98
23) Vinyl Acetate	5.958	43	840810	349.455	ug/l 97
24) 1,1-Dichloroethane	5.915	63	173718	63.433	ug/l 98
25) 2-Butanone	6.890	43	147029	372.656	ug/l 98
26) 2,2-Dichloropropane	6.884	77	124437	48.040	ug/l 98
27) cis-1,2-Dichloroethene	6.890	96	109433	65.786	ug/l 94
28) Bromochloromethane	7.244	49	71182	69.603	ug/l 92
29) Tetrahydrofuran	7.262	42	92448	410.730	ug/l 96
30) Chloroform	7.421	83	181183	64.462	ug/l 96
31) Cyclohexane	7.695	56	130531	52.722	ug/l 99
32) 1,1,1-Trichloroethane	7.616	97	158297	58.489	ug/l 96
36) 1,1-Dichloropropene	7.835	75	118946	53.782	ug/l 99
37) Ethyl Acetate	6.982	43	64897	74.067	ug/l 97
38) Carbon Tetrachloride	7.817	117	139101	52.698	ug/l 97
39) Methylcyclohexane	9.103	83	143024	52.115	ug/l 98
40) Benzene	8.079	78	384408	58.951	ug/l 100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	30669	61.572	ug/l #	86
42) 1,2-Dichloroethane	8.152	62	112662	65.753	ug/l	99
43) Isopropyl Acetate	8.195	43	128208	72.463	ug/l #	88
44) Trichloroethene	8.859	130	94471	58.769	ug/l	99
45) 1,2-Dichloropropane	9.140	63	93902	61.538	ug/l	100
46) Dibromomethane	9.225	93	52369	69.316	ug/l	96
47) Bromodichloromethane	9.420	83	140178	62.975	ug/l	98
48) Methyl methacrylate	9.219	41	60093	72.836	ug/l	94
49) 1,4-Dioxane	9.225	88	12552	1738.110	ug/l	96
51) 4-Methyl-2-Pentanone	9.993	43	333416	381.586	ug/l	98
52) Toluene	10.170	92	240842	59.198	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	127564	63.833	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	146670	62.102	ug/l	95
55) 1,1,2-Trichloroethane	10.566	97	70739	70.190	ug/l	96
56) Ethyl methacrylate	10.438	69	105383	73.900	ug/l	94
57) 1,3-Dichloropropane	10.713	76	123330	68.338	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	248527	372.229	ug/l	96
59) 2-Hexanone	10.755	43	228619	362.691	ug/l	94
60) Dibromochloromethane	10.908	129	95265	67.894	ug/l	100
61) 1,2-Dibromoethane	11.011	107	65609	71.187	ug/l	100
64) Tetrachloroethene	10.646	164	101849	65.149	ug/l	96
65) Chlorobenzene	11.438	112	264278	56.988	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	95236	57.907	ug/l	98
67) Ethyl Benzene	11.518	91	467317	53.761	ug/l	99
68) m/p-Xylenes	11.627	106	348354	109.443	ug/l	100
69) o-Xylene	11.950	106	167851	56.289	ug/l	100
70) Styrene	11.969	104	289302	58.152	ug/l	99
71) Bromoform	12.133	173	56726	67.839	ug/l #	99
73) Isopropylbenzene	12.255	105	440472	47.912	ug/l	99
74) N-amyl acetate	12.066	43	114261	63.412	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	79558	60.177	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	56308m	58.175	ug/l	
77) Bromobenzene	12.530	156	103518	54.373	ug/l	96
78) n-propylbenzene	12.590	91	523963	48.138	ug/l	98
79) 2-Chlorotoluene	12.676	91	311331	50.690	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	366851	49.795	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	26493	56.162	ug/l	93
82) 4-Chlorotoluene	12.773	91	317879	50.717	ug/l	100
83) tert-Butylbenzene	12.999	119	325628	48.888	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	368965	51.526	ug/l	99
85) sec-Butylbenzene	13.176	105	461712	48.369	ug/l	99
86) p-Isopropyltoluene	13.292	119	393728	49.914	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	198440	54.046	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	197605	54.975	ug/l	100
89) n-Butylbenzene	13.615	91	361502	49.412	ug/l	99
90) Hexachloroethane	13.877	117	77763	50.584	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	178203	57.232	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13344	66.672	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	111618	63.750	ug/l	99
94) Hexachlorobutadiene	15.023	225	68133	55.625	ug/l	97
95) Naphthalene	15.145	128	212996	75.177	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	96880	68.575	ug/l	100

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

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