

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
 Data File : VY020479.D
 Acq On : 02 Dec 2024 12:11
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY120224

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 12/03/2024
 Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:49:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 02 14:47:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	158616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	248904	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.426	117	203284	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.358	152	95038	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	83021	51.465	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.940%			
35) Dibromofluoromethane	7.652	113	80954	51.663	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.320%			
50) Toluene-d8	10.115	98	308281	51.666	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.340%			
62) 4-Bromofluorobenzene	12.414	95	103252	49.477	ug/l	0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 98.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	80494	52.025	ug/l	98
3) Chloromethane	2.080	50	82796	52.853	ug/l	96
4) Vinyl Chloride	2.220	62	83549	52.309	ug/l	97
5) Bromomethane	2.617	94	48802	52.075	ug/l	99
6) Chloroethane	2.751	64	51603	52.712	ug/l	97
7) Trichlorofluoromethane	3.074	101	150777	50.402	ug/l	100
8) Diethyl Ether	3.470	74	40546	47.837	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.836	101	83228	47.749	ug/l	97
10) Methyl Iodide	4.025	142	98793	50.489	ug/l	96
11) Tert butyl alcohol	4.884	59	22531	215.311	ug/l	99
12) 1,1-Dichloroethene	3.811	96	82141	49.887	ug/l	94
13) Acrolein	3.671	56	20781	212.106	ug/l	99
14) Allyl chloride	4.403	41	143793	48.965	ug/l	96
15) Acrylonitrile	5.073	53	84091	238.114	ug/l	99
16) Acetone	3.885	43	101273	252.484	ug/l	99
17) Carbon Disulfide	4.128	76	252983	53.683	ug/l	100
18) Methyl Acetate	4.403	43	40533	47.545	ug/l	97
19) Methyl tert-butyl Ether	5.134	73	199569	47.460	ug/l	98
20) Methylene Chloride	4.641	84	82414	48.300	ug/l	94
21) trans-1,2-Dichloroethene	5.140	96	90162	49.300	ug/l	96
22) Diisopropyl ether	6.037	45	281593	48.221	ug/l	98
23) Vinyl Acetate	5.976	43	756007	244.759	ug/l	98
24) 1,1-Dichloroethane	5.939	63	168041	47.797	ug/l	98
25) 2-Butanone	6.908	43	121376	239.639	ug/l	97
26) 2,2-Dichloropropane	6.902	77	157455	47.351	ug/l	99
27) cis-1,2-Dichloroethene	6.908	96	102245	47.879	ug/l	98
28) Bromochloromethane	7.262	49	68730	52.351	ug/l	93
29) Tetrahydrofuran	7.280	42	67109	232.253	ug/l	99
30) Chloroform	7.439	83	170035	47.125	ug/l	99
31) Cyclohexane	7.719	56	151000	47.509	ug/l	95
32) 1,1,1-Trichloroethane	7.634	97	165156	47.536	ug/l	97
36) 1,1-Dichloropropene	7.853	75	127603	48.222	ug/l	99
37) Ethyl Acetate	7.000	43	48698	46.452	ug/l	97
38) Carbon Tetrachloride	7.835	117	152484	48.282	ug/l	98
39) Methylcyclohexane	9.121	83	162064	49.356	ug/l	97
40) Benzene	8.091	78	372666	47.766	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	27182	45.611	ug/l	96
42) 1,2-Dichloroethane	8.170	62	97533	47.576	ug/l	99
43) Isopropyl Acetate	8.207	43	99677	47.086	ug/l #	89
44) Trichloroethene	8.878	130	91945	47.805	ug/l	99
45) 1,2-Dichloropropane	9.152	63	85142	46.635	ug/l	99
46) Dibromomethane	9.243	93	41955	46.413	ug/l	97
47) Bromodichloromethane	9.432	83	123040	46.199	ug/l	98
48) Methyl methacrylate	9.231	41	46281	46.884	ug/l	95
49) 1,4-Dioxane	9.243	88	7538	872.406	ug/l #	91
51) 4-Methyl-2-Pentanone	10.005	43	241260	230.776	ug/l	99
52) Toluene	10.182	92	231949	47.650	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	111365	46.576	ug/l	98
54) cis-1,3-Dichloropropene	9.865	75	133963	47.408	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	55455	45.989	ug/l	98
56) Ethyl methacrylate	10.444	69	79937	46.851	ug/l	94
57) 1,3-Dichloropropane	10.725	76	100550	46.566	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	216217	270.661	ug/l	97
59) 2-Hexanone	10.768	43	174751	231.709	ug/l	97
60) Dibromochloromethane	10.920	129	77289	46.038	ug/l	99
61) 1,2-Dibromoethane	11.024	107	50658	45.939	ug/l	99
64) Tetrachloroethene	10.658	164	79718	46.410	ug/l	95
65) Chlorobenzene	11.450	112	234076	45.939	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.523	131	83396	46.150	ug/l	97
67) Ethyl Benzene	11.530	91	447970	46.903	ug/l	99
68) m/p-Xylenes	11.639	106	326520	93.364	ug/l	98
69) o-Xylene	11.962	106	151793	46.329	ug/l	98
70) Styrene	11.975	104	254087	46.483	ug/l	99
71) Bromoform	12.139	173	41691	45.378	ug/l #	100
73) Isopropylbenzene	12.261	105	422132	45.907	ug/l	99
74) N-amyl acetate	12.078	43	79887	44.325	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	57863	43.757	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	45279m	46.769	ug/l	
77) Bromobenzene	12.542	156	86329	45.334	ug/l	96
78) n-propylbenzene	12.603	91	495485	45.511	ug/l	99
79) 2-Chlorotoluene	12.688	91	279551	45.505	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	335870	45.579	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	21115	44.751	ug/l	96
82) 4-Chlorotoluene	12.785	91	280651	44.767	ug/l	99
83) tert-Butylbenzene	13.005	119	302712	45.437	ug/l	98
84) 1,2,4-Trimethylbenzene	13.054	105	326760	45.622	ug/l	100
85) sec-Butylbenzene	13.182	105	438603	45.937	ug/l	100
86) p-Isopropyltoluene	13.298	119	364035	46.139	ug/l	100
87) 1,3-Dichlorobenzene	13.298	146	165214	44.987	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	161095	44.807	ug/l	100
89) n-Butylbenzene	13.627	91	335948	45.909	ug/l	99
90) Hexachloroethane	13.889	117	69201	45.004	ug/l	95
91) 1,2-Dichlorobenzene	13.669	146	138770	44.557	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	8643	43.174	ug/l	95
93) 1,2,4-Trichlorobenzene	14.931	180	79210	45.230	ug/l	99
94) Hexachlorobutadiene	15.035	225	53757	43.878	ug/l	99
95) Naphthalene	15.157	128	126616	44.679	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	63113	44.663	ug/l	99

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

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