

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031623\
 Data File : VY012960.D
 Acq On : 16 Mar 2023 10:27
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 01:31:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	107259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	160033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	144398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	73808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	42828	40.216	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.440%		
35) Dibromofluoromethane	7.716	113	42275	43.772	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.540%		
50) Toluene-d8	10.179	98	142743	40.428	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	80.860%		
62) 4-Bromofluorobenzene	12.483	95	52229	43.827	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	42948	40.624	ug/l	97
3) Chloromethane	2.119	50	53374	42.230	ug/l	99
4) Vinyl Chloride	2.259	62	51577	44.503	ug/l	100
5) Bromomethane	2.655	94	32682	46.409	ug/l	94
6) Chloroethane	2.796	64	33099	47.687	ug/l	97
7) Trichlorofluoromethane	3.131	101	87768	45.596	ug/l	98
8) Diethyl Ether	3.533	74	31734	47.045	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	52409	45.254	ug/l	99
10) Methyl Iodide	4.094	142	71886	47.639	ug/l	99
11) Tert butyl alcohol	4.954	59	28714	233.092	ug/l #	85
12) 1,1-Dichloroethene	3.875	96	51326	46.469	ug/l	99
13) Acrolein	3.728	56	39118	209.661	ug/l	100
14) Allyl chloride	4.484	41	90202	44.211	ug/l	98
15) Acrylonitrile	5.161	53	85047	239.284	ug/l	99
16) Acetone	3.948	43	114377	273.631	ug/l	97
17) Carbon Disulfide	4.198	76	150137	39.934	ug/l	99
18) Methyl Acetate	4.478	43	55147	44.302	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	142098	49.807	ug/l	100
20) Methylene Chloride	4.716	84	60841	47.421	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	56679	47.221	ug/l	98
22) Diisopropyl ether	6.118	45	182888	49.353	ug/l	95
23) Vinyl Acetate	6.063	43	565639	245.660	ug/l	99
24) 1,1-Dichloroethane	6.021	63	102622	48.598	ug/l	99
25) 2-Butanone	6.984	43	131290	253.590	ug/l	97
26) 2,2-Dichloropropane	6.978	77	92490	49.315	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	65078	50.571	ug/l	97
28) Bromochloromethane	7.331	49	37181	48.182	ug/l	97
29) Tetrahydrofuran	7.350	42	73879	236.601	ug/l	98
30) Chloroform	7.508	83	106424	51.023	ug/l	99
31) Cyclohexane	7.789	56	83619	40.999	ug/l	92
32) 1,1,1-Trichloroethane	7.703	97	92881	49.241	ug/l	99
36) 1,1-Dichloropropene	7.917	75	78226	48.333	ug/l	99
37) Ethyl Acetate	7.075	43	48922	47.958	ug/l	100
38) Carbon Tetrachloride	7.898	117	85694	51.273	ug/l	98
39) Methylcyclohexane	9.185	83	88510	46.000	ug/l	98
40) Benzene	8.161	78	230868	50.428	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	21373	38.888	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	70983	51.571	ug/l	100
43) Isopropyl Acetate	8.270	43	89111	48.963	ug/l	98
44) Trichloroethene	8.941	130	60705	50.292	ug/l	99
45) 1,2-Dichloropropane	9.215	63	58860	50.872	ug/l	96
46) Dibromomethane	9.307	93	33861	51.370	ug/l	98
47) Bromodichloromethane	9.496	83	82787	53.296	ug/l	99
48) Methyl methacrylate	9.294	41	42544	50.732	ug/l	99
49) 1,4-Dioxane	9.301	88	9251	1085.630	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	251792	255.052	ug/l	100
52) Toluene	10.246	92	142772	51.710	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	85280	52.341	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	95971	52.041	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	47006	51.206	ug/l	100
56) Ethyl methacrylate	10.508	69	64451	52.655	ug/l	99
57) 1,3-Dichloropropane	10.794	76	80987	51.797	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	170397	265.183	ug/l	100
59) 2-Hexanone	10.831	43	191233	266.529	ug/l	99
60) Dibromochloromethane	10.983	129	58876	52.688	ug/l	99
61) 1,2-Dibromoethane	11.087	107	45362	51.298	ug/l	99
64) Tetrachloroethene	10.721	164	52005	49.466	ug/l	98
65) Chlorobenzene	11.520	112	152452	50.305	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	59393	52.963	ug/l	98
67) Ethyl Benzene	11.593	91	273442	51.320	ug/l	100
68) m/p-Xylenes	11.703	106	212172	103.512	ug/l	99
69) o-Xylene	12.032	106	99517	52.022	ug/l	99
70) Styrene	12.044	104	171262	53.647	ug/l	100
71) Bromoform	12.209	173	38193	52.236	ug/l #	97
73) Isopropylbenzene	12.331	105	266439	50.936	ug/l	100
74) N-amyl acetate	12.148	43	78788	47.872	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	58363	49.634	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	39723m	45.069	ug/l	
77) Bromobenzene	12.611	156	64691	50.908	ug/l	97
78) n-propylbenzene	12.672	91	325729	50.508	ug/l	100
79) 2-Chlorotoluene	12.757	91	181673	50.686	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	222042	51.437	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	20689	48.637	ug/l	98
82) 4-Chlorotoluene	12.855	91	185323	49.949	ug/l	100
83) tert-Butylbenzene	13.074	119	191326	51.350	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	218689	51.807	ug/l	100
85) sec-Butylbenzene	13.257	105	289695	50.965	ug/l	100
86) p-Isopropyltoluene	13.373	119	239018	51.451	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	125855	51.352	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	125069	50.001	ug/l	100
89) n-Butylbenzene	13.696	91	225452	50.694	ug/l	99
90) Hexachloroethane	13.964	117	47710	49.309	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	113982	51.448	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9175	48.281	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	66689	48.890	ug/l	100
94) Hexachlorobutadiene	15.111	225	40414	48.576	ug/l	99
95) Naphthalene	15.239	128	136390	49.896	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	59312	48.890	ug/l	99

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

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