

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014225.D
 Acq On : 16 Jun 2023 23:48
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/19/2023
 Supervised By : Mahesh Dadoda 06/19/2023

Quant Time: Jun 17 01:53:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	186676	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	288790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	284069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	156013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	126624	48.711	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.420%		
35) Dibromofluoromethane	7.728	113	112381	54.873	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	109.740%		
50) Toluene-d8	10.185	98	368226	48.092	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.180%		
62) 4-Bromofluorobenzene	12.489	95	151319	55.634	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	111.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	91579	44.019	ug/l	99
3) Chloromethane	2.119	50	118271	44.834	ug/l	99
4) Vinyl Chloride	2.253	62	118258	46.109	ug/l	98
5) Bromomethane	2.650	94	89663	42.371	ug/l	94
6) Chloroethane	2.796	64	79477	45.604	ug/l	98
7) Trichlorofluoromethane	3.131	101	209569	50.297	ug/l	99
8) Diethyl Ether	3.540	74	71499	51.391	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.905	101	109625	52.132	ug/l	98
10) Methyl Iodide	4.100	142	139713	50.316	ug/l	98
11) Tert butyl alcohol	4.972	59	69075	227.705	ug/l #	80
12) 1,1-Dichloroethene	3.881	96	104781	49.160	ug/l	97
13) Acrolein	3.741	56	28670	236.530	ug/l	98
14) Allyl chloride	4.491	41	192029	49.703	ug/l	99
15) Acrylonitrile	5.173	53	199041	277.361	ug/l	99
16) Acetone	3.954	43	174982	223.314	ug/l	98
17) Carbon Disulfide	4.204	76	333013	48.215	ug/l	99
18) Methyl Acetate	4.485	43	168821	55.507	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	330363	52.553	ug/l	97
20) Methylene Chloride	4.728	84	164944	67.167	ug/l	98
21) trans-1,2-Dichloroethene	5.234	96	119088	50.094	ug/l	98
22) Diisopropyl ether	6.131	45	401890	54.329	ug/l	96
23) Vinyl Acetate	6.070	43	1185238	271.559	ug/l	100
24) 1,1-Dichloroethane	6.033	63	223035	52.293	ug/l	98
25) 2-Butanone	6.996	43	268714	278.593	ug/l	100
26) 2,2-Dichloropropane	6.996	77	188084	46.952	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	139684	52.525	ug/l	99
28) Bromochloromethane	7.344	49	84601	48.777	ug/l	96
29) Tetrahydrofuran	7.362	42	179403	293.322	ug/l	99
30) Chloroform	7.515	83	245887	54.342	ug/l	94
31) Cyclohexane	7.795	56	178288	51.198	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	212396	52.045	ug/l	99
36) 1,1-Dichloropropene	7.929	75	166972	52.295	ug/l	99
37) Ethyl Acetate	7.088	43	119676	54.323	ug/l	99
38) Carbon Tetrachloride	7.911	117	195471	53.051	ug/l	99
39) Methylcyclohexane	9.191	83	186187	52.557	ug/l	98
40) Benzene	8.173	78	510046	53.720	ug/l	98

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41) Methacrylonitrile	7.319	41	65818m	58.539	ug/l	
42) 1,2-Dichloroethane	8.246	62	183113	54.539	ug/l	100
43) Isopropyl Acetate	8.283	43	214164	55.465	ug/l	98
44) Trichloroethene	8.947	130	134833	53.153	ug/l	99
45) 1,2-Dichloropropane	9.228	63	130240	54.006	ug/l	95
46) Dibromomethane	9.313	93	82732	55.732	ug/l	98
47) Bromodichloromethane	9.502	83	190274	54.743	ug/l	99
48) Methyl methacrylate	9.301	41	102409	56.864	ug/l	98
49) 1,4-Dioxane	9.301	88	22628	1199.634	ug/l #	53
51) 4-Methyl-2-Pentanone	10.075	43	615816	293.556	ug/l	100
52) Toluene	10.252	92	320489	54.453	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	195327	53.382	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	211610	53.006	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	111495	56.626	ug/l	96
56) Ethyl methacrylate	10.514	69	150557	55.437	ug/l	100
57) 1,3-Dichloropropane	10.794	76	184212	54.703	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.788	63	327809	267.822	ug/l	99
59) 2-Hexanone	10.837	43	440175	290.518	ug/l	100
60) Dibromochloromethane	10.989	129	141397	56.108	ug/l	99
61) 1,2-Dibromoethane	11.093	107	106957	55.042	ug/l	99
64) Tetrachloroethene	10.727	164	143864	59.416	ug/l	97
65) Chlorobenzene	11.520	112	345608	50.633	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	139004	51.776	ug/l	99
67) Ethyl Benzene	11.599	91	625800	52.378	ug/l	99
68) m/p-Xylenes	11.709	106	485882	105.728	ug/l	99
69) o-Xylene	12.032	106	232374	53.483	ug/l	100
70) Styrene	12.050	104	402090	54.223	ug/l	100
71) Bromoform	12.215	173	97914	53.254	ug/l	99
73) Isopropylbenzene	12.337	105	604450	50.787	ug/l	100
74) N-amyl acetate	12.148	43	197194	52.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	134432	50.550	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	103375m	50.504	ug/l	
77) Bromobenzene	12.611	156	157612	50.386	ug/l	97
78) n-propylbenzene	12.678	91	745642	51.293	ug/l	100
79) 2-Chlorotoluene	12.764	91	425673	50.891	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	525733	51.589	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	44573	47.072	ug/l	97
82) 4-Chlorotoluene	12.861	91	449119	50.669	ug/l	100
83) tert-Butylbenzene	13.081	119	437156	50.480	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	525331	52.077	ug/l	100
85) sec-Butylbenzene	13.257	105	645907	51.301	ug/l	100
86) p-Isopropyltoluene	13.373	119	544757	50.555	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	297894	49.878	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	303733	50.475	ug/l	99
89) n-Butylbenzene	13.702	91	513129	51.342	ug/l	100
90) Hexachloroethane	13.965	117	110171	51.310	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	275382	51.338	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	26115	51.567	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	170572	50.196	ug/l	99
94) Hexachlorobutadiene	15.117	225	99901	50.923	ug/l	98
95) Naphthalene	15.245	128	359552	52.129	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	155963	50.793	ug/l	99

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

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