

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014227.D
 Acq On : 19 Jun 2023 13:21
 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 : John Carlone 06/20/2023
 Supervised By : Mahesh Dadoda 06/20/2023

Quant Time: Jun 19 17:02:28 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	7.783	168	224179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	324989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	306025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	166304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	131863	42.240	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.480%
35) Dibromofluoromethane	7.710	113	118475	51.405	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.800%
50) Toluene-d8	10.173	98	403889	46.874	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.740%
62) 4-Bromofluorobenzene	12.477	95	165796	54.167	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	118503	47.431	ug/l	96
3) Chloromethane	2.113	50	140469	44.341	ug/l	100
4) Vinyl Chloride	2.247	62	147706	47.956	ug/l	99
5) Bromomethane	2.631	94	102757	40.435	ug/l	99
6) Chloroethane	2.784	64	93355	44.606	ug/l	95
7) Trichlorofluoromethane	3.113	101	259877	51.937	ug/l	96
8) Diethyl Ether	3.521	74	77869	46.606	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.887	101	136654	54.114	ug/l	99
10) Methyl Iodide	4.082	142	171323	51.378	ug/l	99
11) Tert butyl alcohol	4.948	59	91698	254.066	ug/l #	84
12) 1,1-Dichloroethene	3.863	96	129763	50.696	ug/l	95
13) Acrolein	3.723	56	34214	234.937	ug/l	94
14) Allyl chloride	4.466	41	222716	48.002	ug/l	98
15) Acrylonitrile	5.155	53	202522	235.000	ug/l	99
16) Acetone	3.936	43	220487	234.315	ug/l	98
17) Carbon Disulfide	4.186	76	393836	47.482	ug/l	100
18) Methyl Acetate	4.466	43	169676	46.456	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	347422	46.021	ug/l	100
20) Methylene Chloride	4.704	84	183029	61.770	ug/l	96
21) trans-1,2-Dichloroethene	5.210	96	134583	47.141	ug/l	98
22) Diisopropyl ether	6.112	45	413413	46.537	ug/l	94
23) Vinyl Acetate	6.051	43	1230962	234.853	ug/l	99
24) 1,1-Dichloroethane	6.003	63	239429	46.746	ug/l	99
25) 2-Butanone	6.978	43	282764	244.117	ug/l	97
26) 2,2-Dichloropropane	6.972	77	240064	49.902	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	150358	47.080	ug/l	99
28) Bromochloromethane	7.326	49	90306	43.356	ug/l	94
29) Tetrahydrofuran	7.338	42	177771	242.030	ug/l	97
30) Chloroform	7.496	83	260153	47.876	ug/l	98
31) Cyclohexane	7.777	56	215642	51.566	ug/l	96
32) 1,1,1-Trichloroethane	7.698	97	248294	50.664	ug/l	97
36) 1,1-Dichloropropene	7.911	75	193706	53.910	ug/l	98
37) Ethyl Acetate	7.063	43	119513	48.206	ug/l	97
38) Carbon Tetrachloride	7.893	117	230800	55.662	ug/l	97
39) Methylcyclohexane	9.179	83	231524	58.075	ug/l	98
40) Benzene	8.155	78	546251	51.125	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	63929m	50.526	ug/l	
42) 1,2-Dichloroethane	8.234	62	184630	48.866	ug/l	100
43) Isopropyl Acetate	8.264	43	222314	51.162	ug/l	99
44) Trichloroethene	8.935	130	152391	53.383	ug/l	96
45) 1,2-Dichloropropane	9.209	63	134989	49.740	ug/l	98
46) Dibromomethane	9.301	93	81793	48.962	ug/l	98
47) Bromodichloromethane	9.490	83	197922	50.600	ug/l	100
48) Methyl methacrylate	9.289	41	103253	50.946	ug/l	98
49) 1,4-Dioxane	9.289	88	21499	1012.825	ug/l #	53
51) 4-Methyl-2-Pentanone	10.063	43	610037	258.410	ug/l	99
52) Toluene	10.240	92	349151	52.715	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	208246	50.574	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	228295	50.816	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	111903	50.503	ug/l	93
56) Ethyl methacrylate	10.508	69	156979	51.364	ug/l	98
57) 1,3-Dichloropropane	10.782	76	187005	49.347	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	434805	310.557	ug/l	97
59) 2-Hexanone	10.825	43	447038	262.184	ug/l	100
60) Dibromochloromethane	10.977	129	144520	50.960	ug/l	99
61) 1,2-Dibromoethane	11.087	107	109141	49.909	ug/l	100
64) Tetrachloroethene	10.715	164	153197	58.731	ug/l	98
65) Chlorobenzene	11.514	112	368328	50.090	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	145739	50.390	ug/l	99
67) Ethyl Benzene	11.587	91	684467	53.178	ug/l	98
68) m/p-Xylenes	11.697	106	533635	107.788	ug/l	97
69) o-Xylene	12.026	106	249542	53.313	ug/l	99
70) Styrene	12.038	104	421168	52.721	ug/l	99
71) Bromoform	12.203	173	100486	50.731	ug/l	98
73) Isopropylbenzene	12.325	105	667837	52.641	ug/l	100
74) N-amyl acetate	12.142	43	198580	49.394	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	134696	47.515	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	95997m	43.998	ug/l	
77) Bromobenzene	12.605	156	162039	48.595	ug/l	97
78) n-propylbenzene	12.666	91	831116	53.635	ug/l	100
79) 2-Chlorotoluene	12.751	91	457945	51.361	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	574420	52.879	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	49298	48.840	ug/l	97
82) 4-Chlorotoluene	12.849	91	474840	50.255	ug/l	99
83) tert-Butylbenzene	13.069	119	502566	54.442	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	571450	53.143	ug/l	100
85) sec-Butylbenzene	13.251	105	736636	54.887	ug/l	100
86) p-Isopropyltoluene	13.367	119	626845	54.574	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	324451	50.963	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	317779	49.541	ug/l	99
89) n-Butylbenzene	13.690	91	586710	55.072	ug/l	99
90) Hexachloroethane	13.959	117	119579	52.245	ug/l	95
91) 1,2-Dichlorobenzene	13.733	146	290033	50.723	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	25466	47.174	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	184080	50.819	ug/l	97
94) Hexachlorobutadiene	15.111	225	116304	55.615	ug/l	98
95) Naphthalene	15.233	128	372158	50.618	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	163569	49.973	ug/l	98

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

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