

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090723\
 Data File : VY015479.D
 Acq On : 07 Sep 2023 20:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 07 23:13:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/08/2023
 Supervised By : Mahesh Dadoda 09/08/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	185575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	311671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	290544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	156591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	99516	50.025	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.040%			
35) Dibromofluoromethane	7.710	113	87682	48.844	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.680%			
50) Toluene-d8	10.173	98	303039	46.615	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.220%			
62) 4-Bromofluorobenzene	12.477	95	122280	50.667	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	63947	39.642	ug/l	98
3) Chloromethane	2.101	50	95770	44.703	ug/l	100
4) Vinyl Chloride	2.241	62	107442	43.087	ug/l	96
5) Bromomethane	2.625	94	82570	46.537	ug/l	100
6) Chloroethane	2.772	64	73940	45.112	ug/l	97
7) Trichlorofluoromethane	3.107	101	154531	43.811	ug/l	99
8) Diethyl Ether	3.515	74	58449	48.488	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.881	101	83344	42.632	ug/l	97
10) Methyl Iodide	4.070	142	87635	38.172	ug/l	98
11) Tert butyl alcohol	4.954	59	132451	311.410	ug/l #	86
12) 1,1-Dichloroethene	3.857	96	80079	43.409	ug/l	91
13) Acrolein	3.716	56	89167	165.469	ug/l	99
14) Allyl chloride	4.460	41	130807	44.536	ug/l	97
15) Acrylonitrile	5.149	53	206930	272.808	ug/l	99
16) Acetone	3.942	43	187319	225.593	ug/l	95
17) Carbon Disulfide	4.174	76	214303	38.858	ug/l	98
18) Methyl Acetate	4.466	43	213003	70.824	ug/l	92
19) Methyl tert-butyl Ether	5.210	73	307036	51.210	ug/l	99
20) Methylene Chloride	4.698	84	106471	38.134	ug/l	94
21) trans-1,2-Dichloroethene	5.204	96	95840	45.117	ug/l	96
22) Diisopropyl ether	6.106	45	304253	47.364	ug/l	92
23) Vinyl Acetate	6.045	43	849227	209.386	ug/l #	94
24) 1,1-Dichloroethane	6.003	63	171921	46.298	ug/l	97
25) 2-Butanone	6.978	43	309744	263.009	ug/l	95
26) 2,2-Dichloropropane	6.972	77	125661	39.842	ug/l	100
27) cis-1,2-Dichloroethene	6.972	96	115883	48.087	ug/l	93
28) Bromochloromethane	7.319	49	55129	48.412	ug/l	94
29) Tetrahydrofuran	7.338	42	205450	277.799	ug/l	91
30) Chloroform	7.496	83	188121	48.191	ug/l	97
31) Cyclohexane	7.777	56	134482	38.057	ug/l	92
32) 1,1,1-Trichloroethane	7.691	97	162567	46.625	ug/l	98
36) 1,1-Dichloropropene	7.905	75	133159	42.245	ug/l	100
37) Ethyl Acetate	7.063	43	119189	49.028	ug/l	96
38) Carbon Tetrachloride	7.886	117	144217	44.299	ug/l	99
39) Methylcyclohexane	9.173	83	157765	39.756	ug/l	95
40) Benzene	8.149	78	394709	44.882	ug/l	99

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41) Methacrylonitrile	7.313	41	67051m	58.816	ug/l	
42) 1,2-Dichloroethane	8.228	62	140271	47.833	ug/l	95
43) Isopropyl Acetate	8.264	43	207659	49.398	ug/l	97
44) Trichloroethene	8.935	130	115672	46.488	ug/l	96
45) 1,2-Dichloropropane	9.209	63	101048	45.580	ug/l	97
46) Dibromomethane	9.295	93	71772	48.737	ug/l	96
47) Bromodichloromethane	9.490	83	152713	48.492	ug/l	99
48) Methyl methacrylate	9.289	41	99416	51.544	ug/l	94
49) 1,4-Dioxane	9.295	88	31175	1139.710	ug/l #	54
51) 4-Methyl-2-Pentanone	10.063	43	664803	272.086	ug/l	93
52) Toluene	10.240	92	261326	46.362	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	154052	46.028	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	165003	45.321	ug/l	93
55) 1,1,2-Trichloroethane	10.636	97	99204	49.996	ug/l	98
56) Ethyl methacrylate	10.502	69	150215	51.086	ug/l	90
57) 1,3-Dichloropropane	10.782	76	164527	48.169	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	263162	250.740	ug/l	93
59) 2-Hexanone	10.825	43	500376	272.926	ug/l	92
60) Dibromochloromethane	10.977	129	118469	51.010	ug/l	100
61) 1,2-Dibromoethane	11.081	107	101743	50.603	ug/l	100
64) Tetrachloroethene	10.715	164	137931	52.303	ug/l	98
65) Chlorobenzene	11.514	112	288394	46.063	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	112168	48.948	ug/l	100
67) Ethyl Benzene	11.587	91	503443	44.782	ug/l	99
68) m/p-Xylenes	11.697	106	394538	90.539	ug/l	95
69) o-Xylene	12.026	106	194025	46.589	ug/l	97
70) Styrene	12.038	104	335288	47.882	ug/l	97
71) Bromoform	12.203	173	86173	53.908	ug/l #	98
73) Isopropylbenzene	12.325	105	502054	42.684	ug/l	100
74) N-amyl acetate	12.142	43	173934	44.016	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.575	83	130168	46.359	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	116151m	55.934	ug/l	
77) Bromobenzene	12.605	156	126237	45.315	ug/l	99
78) n-propylbenzene	12.666	91	600770	42.211	ug/l	99
79) 2-Chlorotoluene	12.751	91	345177	43.240	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	428189	43.523	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	39972	42.462	ug/l	96
82) 4-Chlorotoluene	12.849	91	360326	43.431	ug/l	99
83) tert-Butylbenzene	13.068	119	373667	43.364	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	426888	43.702	ug/l	98
85) sec-Butylbenzene	13.251	105	544282	42.348	ug/l	100
86) p-Isopropyltoluene	13.367	119	461567	42.849	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	244508	44.458	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	244373	43.957	ug/l	99
89) n-Butylbenzene	13.690	91	423204	41.741	ug/l	97
90) Hexachloroethane	13.959	117	86107	44.695	ug/l	92
91) 1,2-Dichlorobenzene	13.733	146	230875	46.000	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	29382	52.899	ug/l	90
93) 1,2,4-Trichlorobenzene	15.001	180	146073	46.344	ug/l	99
94) Hexachlorobutadiene	15.105	225	73877	42.984	ug/l	97
95) Naphthalene	15.233	128	407165	52.149	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	135431	47.106	ug/l	99

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

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