

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051923\
 Data File : VY013825.D
 Acq On : 19 May 2023 16:51
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/22/2023
 Supervised By :Mahesh Dadoda 05/22/2023

Quant Time: May 22 04:22:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	254615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	380803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	340715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	167843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	141182	47.732	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.460%		
35) Dibromofluoromethane	7.722	113	118908	48.694	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.380%		
50) Toluene-d8	10.179	98	452873	48.919	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.840%		
62) 4-Bromofluorobenzene	12.477	95	150889	49.070	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	94767	51.839	ug/l	99
3) Chloromethane	2.113	50	113082	40.802	ug/l	100
4) Vinyl Chloride	2.253	62	119775	43.280	ug/l	97
5) Bromomethane	2.656	94	90470	36.866	ug/l	97
6) Chloroethane	2.796	64	77207	40.588	ug/l	98
7) Trichlorofluoromethane	3.125	101	212073	52.652	ug/l	98
8) Diethyl Ether	3.528	74	66223	49.136	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	114749	48.678	ug/l	98
10) Methyl Iodide	4.095	142	115639	44.651	ug/l	96
11) Tert butyl alcohol	4.966	59	60536	252.644	ug/l #	73
12) 1,1-Dichloroethene	3.875	96	107429	50.278	ug/l	93
13) Acrolein	3.729	56	79930	186.730	ug/l	99
14) Allyl chloride	4.479	41	187971	44.659	ug/l	95
15) Acrylonitrile	5.161	53	173861	219.972	ug/l	99
16) Acetone	3.948	43	210672	236.080	ug/l	95
17) Carbon Disulfide	4.198	76	272731	44.420	ug/l	100
18) Methyl Acetate	4.479	43	126200	40.564	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	312553	48.215	ug/l	98
20) Methylene Chloride	4.716	84	129703	47.961	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	115929	48.185	ug/l	99
22) Diisopropyl ether	6.119	45	407435	45.508	ug/l	98
23) Vinyl Acetate	6.058	43	1189729	229.639	ug/l	98
24) 1,1-Dichloroethane	6.015	63	228970	46.783	ug/l	99
25) 2-Butanone	6.984	43	246011	212.071	ug/l	99
26) 2,2-Dichloropropane	6.984	77	210881	50.442	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	138334	48.796	ug/l	100
28) Bromochloromethane	7.332	49	69310	40.474	ug/l	90
29) Tetrahydrofuran	7.350	42	146344	210.838	ug/l	96
30) Chloroform	7.509	83	241430	48.952	ug/l	97
31) Cyclohexane	7.783	56	179488	42.325	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	218439	51.886	ug/l	99
36) 1,1-Dichloropropene	7.917	75	168019	49.798	ug/l	98
37) Ethyl Acetate	7.070	43	105476	45.447	ug/l	99
38) Carbon Tetrachloride	7.905	117	200231	56.255	ug/l	96
39) Methylcyclohexane	9.185	83	192890	50.299	ug/l	96
40) Benzene	8.161	78	493176	50.299	ug/l	97

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41) Methacrylonitrile	7.307	41	62089m	53.835	ug/l	
42) 1,2-Dichloroethane	8.240	62	166977	52.708	ug/l	99
43) Isopropyl Acetate	8.271	43	192149	45.614	ug/l	97
44) Trichloroethene	8.941	130	134642	52.531	ug/l	98
45) 1,2-Dichloropropane	9.216	63	130541	48.451	ug/l	100
46) Dibromomethane	9.307	93	76005	50.369	ug/l	98
47) Bromodichloromethane	9.496	83	186046	52.062	ug/l #	96
48) Methyl methacrylate	9.295	41	89938	46.479	ug/l	96
49) 1,4-Dioxane	9.313	88	16958	915.677	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	538640	229.620	ug/l	99
52) Toluene	10.246	92	307101	51.665	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	187612	50.920	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	206288	50.180	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	102869	50.123	ug/l	97
56) Ethyl methacrylate	10.508	69	136351	49.784	ug/l	99
57) 1,3-Dichloropropane	10.788	76	173601	49.168	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	197248	198.783	ug/l	94
59) 2-Hexanone	10.831	43	384642	230.680	ug/l	99
60) Dibromochloromethane	10.984	129	132720	53.370	ug/l	99
61) 1,2-Dibromoethane	11.087	107	95623	49.410	ug/l	99
64) Tetrachloroethene	10.721	164	113607	52.562	ug/l	98
65) Chlorobenzene	11.514	112	334050	51.800	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	133906	53.438	ug/l	98
67) Ethyl Benzene	11.593	91	609724	53.206	ug/l	99
68) m/p-Xylenes	11.703	106	456064	106.255	ug/l	99
69) o-Xylene	12.026	106	218856	53.602	ug/l	99
70) Styrene	12.044	104	376412	54.279	ug/l	99
71) Bromoform	12.209	173	87068	52.595	ug/l #	97
73) Isopropylbenzene	12.325	105	584999	51.483	ug/l	100
74) N-amyl acetate	12.142	43	171868	44.571	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	121941	45.301	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	86124m	42.397	ug/l	
77) Bromobenzene	12.605	156	141811	51.736	ug/l	94
78) n-propylbenzene	12.666	91	721596	51.553	ug/l	98
79) 2-Chlorotoluene	12.752	91	402558	50.959	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	491115	53.005	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	41190	45.145	ug/l	92
82) 4-Chlorotoluene	12.855	91	413618	50.264	ug/l	97
83) tert-Butylbenzene	13.075	119	436224	54.064	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	481421	53.014	ug/l	100
85) sec-Butylbenzene	13.251	105	637375	52.355	ug/l	99
86) p-Isopropyltoluene	13.367	119	522397	53.140	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	277274	51.961	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	271313	50.565	ug/l	99
89) n-Butylbenzene	13.690	91	495519	51.414	ug/l	99
90) Hexachloroethane	13.959	117	104532	50.319	ug/l	95
91) 1,2-Dichlorobenzene	13.733	146	246214	51.815	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21261	48.747	ug/l	97
93) 1,2,4-Trichlorobenzene	15.001	180	146251	51.865	ug/l	99
94) Hexachlorobutadiene	15.111	225	91009	51.955	ug/l	99
95) Naphthalene	15.233	128	282431	50.465	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	129553	51.064	ug/l	99

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

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