

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013791.D
 Acq On : 18 May 2023 10:29
 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 05/19/2023
 Supervised By :Mahesh Dadoda 05/19/2023

Quant Time: May 19 03:20:02 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	7.795	168	264861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	409508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	361220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	170381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	150449	48.898	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.800%		
35) Dibromofluoromethane	7.722	113	132519	50.464	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.920%		
50) Toluene-d8	10.179	98	507682	50.995	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.980%		
62) 4-Bromofluorobenzene	12.483	95	163307	49.385	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.780%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	97758	51.407	ug/l	100
3) Chloromethane	2.119	50	133175	46.193	ug/l	100
4) Vinyl Chloride	2.259	62	136959	47.575	ug/l	97
5) Bromomethane	2.662	94	103879	40.692	ug/l	99
6) Chloroethane	2.802	64	88767	44.859	ug/l	97
7) Trichlorofluoromethane	3.137	101	221566	52.881	ug/l	98
8) Diethyl Ether	3.533	74	68154	48.612	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.911	101	125138	51.032	ug/l	99
10) Methyl Iodide	4.100	142	140166	52.027	ug/l	96
11) Tert butyl alcohol	4.984	59	64183	257.502	ug/l	99
12) 1,1-Dichloroethene	3.881	96	113908	51.248	ug/l	93
13) Acrolein	3.741	56	93489	209.957	ug/l	100
14) Allyl chloride	4.491	41	222170	50.742	ug/l	98
15) Acrylonitrile	5.173	53	184140	223.965	ug/l	99
16) Acetone	3.960	43	225045	242.431	ug/l	99
17) Carbon Disulfide	4.204	76	312449	48.921	ug/l	100
18) Methyl Acetate	4.484	43	143424	44.317	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	327979	48.637	ug/l	99
20) Methylene Chloride	4.722	84	148719	53.581	ug/l	98
21) trans-1,2-Dichloroethene	5.234	96	124200	49.625	ug/l	99
22) Diisopropyl ether	6.124	45	462133	49.620	ug/l	95
23) Vinyl Acetate	6.070	43	1306032	242.336	ug/l	100
24) 1,1-Dichloroethane	6.027	63	251637	49.425	ug/l	100
25) 2-Butanone	6.996	43	274306	227.315	ug/l	98
26) 2,2-Dichloropropane	6.990	77	225551	51.864	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	147487	50.012	ug/l	97
28) Bromochloromethane	7.338	49	75565	42.419	ug/l	99
29) Tetrahydrofuran	7.356	42	158675	219.760	ug/l	99
30) Chloroform	7.508	83	254537	49.613	ug/l	99
31) Cyclohexane	7.789	56	204787	46.422	ug/l	98
32) 1,1,1-Trichloroethane	7.703	97	226668	51.758	ug/l	99
36) 1,1-Dichloropropene	7.923	75	184665	50.895	ug/l	100
37) Ethyl Acetate	7.075	43	112070	44.903	ug/l	98
38) Carbon Tetrachloride	7.905	117	204317	53.379	ug/l	95
39) Methylcyclohexane	9.185	83	206711	50.125	ug/l	99
40) Benzene	8.161	78	531274	50.387	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	59528	47.996	ug/l	86
42) 1,2-Dichloroethane	8.240	62	173878	51.039	ug/l	99
43) Isopropyl Acetate	8.276	43	209662	46.283	ug/l	98
44) Trichloroethene	8.941	130	139251	50.521	ug/l	95
45) 1,2-Dichloropropane	9.221	63	142992	49.352	ug/l	98
46) Dibromomethane	9.307	93	77822	47.958	ug/l	99
47) Bromodichloromethane	9.502	83	196250	51.068	ug/l	95
48) Methyl methacrylate	9.295	41	96535	46.392	ug/l	98
49) 1,4-Dioxane	9.307	88	18195	913.603	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	574700	227.819	ug/l	99
52) Toluene	10.246	92	326234	51.037	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	196503	49.594	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	218676	49.465	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	106376	48.199	ug/l	97
56) Ethyl methacrylate	10.514	69	145518	49.407	ug/l	99
57) 1,3-Dichloropropane	10.794	76	183375	48.296	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	219869	206.048	ug/l	97
59) 2-Hexanone	10.831	43	415513	231.726	ug/l	100
60) Dibromochloromethane	10.989	129	133895	50.068	ug/l	99
61) 1,2-Dibromoethane	11.093	107	100166	48.130	ug/l	100
64) Tetrachloroethene	10.721	164	114220	49.846	ug/l	99
65) Chlorobenzene	11.520	112	346600	50.695	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	137186	51.640	ug/l	99
67) Ethyl Benzene	11.593	91	639155	52.608	ug/l	99
68) m/p-Xylenes	11.703	106	479331	105.336	ug/l	100
69) o-Xylene	12.032	106	225983	52.205	ug/l	100
70) Styrene	12.044	104	384903	52.353	ug/l	99
71) Bromoform	12.215	173	87944	50.109	ug/l #	97
73) Isopropylbenzene	12.331	105	614875	53.307	ug/l	100
74) N-amyl acetate	12.148	43	181561	46.383	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	129667	47.454	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	89183m	43.249	ug/l	
77) Bromobenzene	12.611	156	144392	51.893	ug/l	96
78) n-propylbenzene	12.672	91	748866	52.704	ug/l	99
79) 2-Chlorotoluene	12.757	91	418779	52.222	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	505128	53.705	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	44317	47.848	ug/l	97
82) 4-Chlorotoluene	12.861	91	430811	51.573	ug/l	99
83) tert-Butylbenzene	13.080	119	448921	54.809	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	490727	53.234	ug/l	100
85) sec-Butylbenzene	13.257	105	659018	53.327	ug/l	100
86) p-Isopropyltoluene	13.373	119	534960	53.608	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	279405	51.580	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	275195	50.524	ug/l	100
89) n-Butylbenzene	13.702	91	518185	52.964	ug/l	99
90) Hexachloroethane	13.964	117	106991	50.736	ug/l	96
91) 1,2-Dichlorobenzene	13.745	146	250327	51.896	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	19624	44.323	ug/l	89
93) 1,2,4-Trichlorobenzene	15.013	180	150038	52.416	ug/l	100
94) Hexachlorobutadiene	15.117	225	93858	52.783	ug/l	99
95) Naphthalene	15.239	128	280161	49.314	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	129399	50.244	ug/l	100

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

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