

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070622\
 Data File : VY009445.D
 Acq On : 06 Jul 2022 11:17
 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 07/07/2022
 Supervised By : Mahesh Dadoda 07/07/2022

Quant Time: Jul 07 01:47:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	161370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	257430	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	240928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	63478	49.112	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.220%		
35) Dibromofluoromethane	7.710	113	69130	48.792	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.580%		
50) Toluene-d8	10.173	98	213619	49.175	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	98.360%		
62) 4-Bromofluorobenzene	12.477	95	110114	53.447	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	106.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	56161	42.274	ug/l	98
3) Chloromethane	2.107	50	59481	41.149	ug/l	95
4) Vinyl Chloride	2.247	62	73687	44.066	ug/l	99
5) Bromomethane	2.637	94	45132	42.061	ug/l	98
6) Chloroethane	2.784	64	40116	44.994	ug/l	99
7) Trichlorofluoromethane	3.119	101	102784	46.330	ug/l	96
8) Diethyl Ether	3.521	74	41728	48.139	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	72320	45.476	ug/l	97
10) Methyl Iodide	4.082	142	86854	49.755	ug/l	92
11) Tert butyl alcohol	4.936	59	47365	222.257	ug/l	99
12) 1,1-Dichloroethene	3.857	96	65565	45.198	ug/l	89
13) Acrolein	3.723	56	20150	186.791	ug/l	100
14) Allyl chloride	4.466	41	124509	46.843	ug/l	95
15) Acrylonitrile	5.149	53	115540	235.290	ug/l	100
16) Acetone	3.936	43	94082	221.639	ug/l	96
17) Carbon Disulfide	4.186	76	161475	40.017	ug/l	99
18) Methyl Acetate	4.466	43	55566	50.677	ug/l	96
19) Methyl tert-butyl Ether	5.204	73	217909	50.089	ug/l	100
20) Methylene Chloride	4.704	84	84854	42.782	ug/l	89
21) trans-1,2-Dichloroethene	5.210	96	79630	45.851	ug/l	93
22) Diisopropyl ether	6.106	45	301467	53.743	ug/l	94
23) Vinyl Acetate	6.051	43	944126	268.680	ug/l	95
24) 1,1-Dichloroethane	6.009	63	154028	48.839	ug/l #	97
25) 2-Butanone	6.978	43	160191	238.036	ug/l #	87
26) 2,2-Dichloropropane	6.972	77	140812	47.174	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	98688	48.913	ug/l	90
28) Bromochloromethane	7.326	49	71415	52.736	ug/l	91
29) Tetrahydrofuran	7.344	42	107321	248.743	ug/l	94
30) Chloroform	7.496	83	162263	50.059	ug/l	99
31) Cyclohexane	7.777	56	127716	43.931	ug/l	98
32) 1,1,1-Trichloroethane	7.691	97	141074	48.601	ug/l	98
36) 1,1-Dichloropropene	7.911	75	117071	47.257	ug/l	97
37) Ethyl Acetate	7.063	43	71833	48.895	ug/l	96
38) Carbon Tetrachloride	7.893	117	126366	48.801	ug/l	98
39) Methylcyclohexane	9.179	83	137155	46.779	ug/l	93
40) Benzene	8.155	78	351749	48.553	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	40004	48.199	ug/l #	41
42) 1,2-Dichloroethane	8.228	62	102199	49.177	ug/l	92
43) Isopropyl Acetate	8.264	43	138499	51.347	ug/l	94
44) Trichloroethene	8.935	130	97213	48.294	ug/l	96
45) 1,2-Dichloropropane	9.209	63	93654	51.035	ug/l	97
46) Dibromomethane	9.301	93	51620	49.101	ug/l	98
47) Bromodichloromethane	9.490	83	124008	49.809	ug/l	99
48) Methyl methacrylate	9.289	41	60434	51.973	ug/l	91
49) 1,4-Dioxane	9.295	88	13634	930.355	ug/l	90
51) 4-Methyl-2-Pentanone	10.063	43	364113	261.817	ug/l	93
52) Toluene	10.240	92	231828	50.719	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	136096	54.647	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	148925	50.083	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	76772	54.888	ug/l	97
56) Ethyl methacrylate	10.508	69	105520	59.104	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	126637	51.108	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	274107	277.298	ug/l	98
59) 2-Hexanone	10.825	43	251932	262.241	ug/l	91
60) Dibromochloromethane	10.983	129	92594	52.310	ug/l	99
61) 1,2-Dibromoethane	11.087	107	70478	50.189	ug/l	99
64) Tetrachloroethene	10.715	164	111211	49.581	ug/l	97
65) Chlorobenzene	11.514	112	254998	49.465	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	96894	51.241	ug/l	97
67) Ethyl Benzene	11.587	91	454663	50.840	ug/l	98
68) m/p-Xylenes	11.703	106	354777	99.211	ug/l	94
69) o-Xylene	12.026	106	173838	51.512	ug/l	91
70) Styrene	12.044	104	291981	52.220	ug/l	96
71) Bromoform	12.203	173	61421	51.694	ug/l #	98
73) Isopropylbenzene	12.325	105	455262	48.238	ug/l	98
74) N-amyl acetate	12.142	43	123552	49.907	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	86594	47.366	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	63630m	42.523	ug/l	
77) Bromobenzene	12.605	156	108018	48.012	ug/l	95
78) n-propylbenzene	12.672	91	559648	48.747	ug/l	98
79) 2-Chlorotoluene	12.751	91	314526	48.536	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	385425	48.834	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	32433	48.258	ug/l #	84
82) 4-Chlorotoluene	12.855	91	323448	48.030	ug/l	97
83) tert-Butylbenzene	13.075	119	342498	51.650	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	382241	50.965	ug/l	98
85) sec-Butylbenzene	13.251	105	512689	51.333	ug/l	98
86) p-Isopropyltoluene	13.367	119	424046	50.490	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	216384	48.682	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	215994	47.224	ug/l	99
89) n-Butylbenzene	13.702	91	398718	50.526	ug/l	98
90) Hexachloroethane	13.965	117	83057	49.879	ug/l	88
91) 1,2-Dichlorobenzene	13.745	146	196012	48.622	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	14494	47.304	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	121404	50.733	ug/l	99
94) Hexachlorobutadiene	15.117	225	65954	49.096	ug/l	98
95) Naphthalene	15.239	128	251274	52.445	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	107547	51.730	ug/l	99

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

