

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY009019.D
 Acq On : 23 May 2022 20:10
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 24 01:51:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	120602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	199505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	205573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	138512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	52663	42.429	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.860%		
35) Dibromofluoromethane	7.716	113	56370	45.438	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.880%		
50) Toluene-d8	10.179	98	186972	40.852	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	81.700%		
62) 4-Bromofluorobenzene	12.477	95	99899	54.110	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	108.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	58767	53.277	ug/l	99
3) Chloromethane	2.107	50	96694	61.189	ug/l	99
4) Vinyl Chloride	2.247	62	142893	61.034	ug/l	96
5) Bromomethane	2.638	94	119474	52.060	ug/l	97
6) Chloroethane	2.784	64	99165	59.788	ug/l	96
7) Trichlorofluoromethane	3.119	101	104643	52.632	ug/l	92
8) Diethyl Ether	3.528	74	33854	54.455	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.887	101	64749	52.988	ug/l	93
10) Methyl Iodide	4.082	142	71267	56.481	ug/l	91
11) Tert butyl alcohol	4.948	59	32894	261.271	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	59250	52.232	ug/l	83
13) Acrolein	3.723	56	4820	116.310	ug/l	98
14) Allyl chloride	4.473	41	87304	51.070	ug/l #	83
15) Acrylonitrile	5.149	53	98162	282.004	ug/l	97
16) Acetone	3.942	43	68968	266.937	ug/l	90
17) Carbon Disulfide	4.186	76	191863	51.772	ug/l	100
18) Methyl Acetate	4.473	43	43846	54.497	ug/l #	86
19) Methyl tert-butyl Ether	5.210	73	184784	54.272	ug/l	96
20) Methylene Chloride	4.710	84	79104	55.728	ug/l	86
21) trans-1,2-Dichloroethene	5.210	96	76819	52.761	ug/l	87
22) Diisopropyl ether	6.113	45	226200	55.077	ug/l #	97
23) Vinyl Acetate	6.058	43	782178	287.913	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	130601	53.166	ug/l	99
25) 2-Butanone	6.984	43	131061	284.006	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	112160	49.566	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	87309	53.195	ug/l	87
28) Bromochloromethane	7.332	49	45694	54.194	ug/l #	91
29) Tetrahydrofuran	7.344	42	89888	286.752	ug/l #	84
30) Chloroform	7.503	83	139736	52.698	ug/l	99
31) Cyclohexane	7.783	56	122748	50.551	ug/l	90
32) 1,1,1-Trichloroethane	7.698	97	127268	52.903	ug/l	98
36) 1,1-Dichloropropene	7.911	75	112993	53.519	ug/l	98
37) Ethyl Acetate	7.070	43	60804	55.520	ug/l	97
38) Carbon Tetrachloride	7.899	117	116711	52.844	ug/l	97
39) Methylcyclohexane	9.179	83	146465	53.745	ug/l	89
40) Benzene	8.155	78	328411	53.943	ug/l	96

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41) Methacrylonitrile	7.314	41	29288m	51.824	ug/l	
42) 1,2-Dichloroethane	8.234	62	98587	55.147	ug/l	93
43) Isopropyl Acetate	8.271	43	120397	59.123	ug/l #	93
44) Trichloroethene	8.935	130	83578	51.847	ug/l	91
45) 1,2-Dichloropropane	9.210	63	80263	54.905	ug/l	96
46) Dibromomethane	9.301	93	51213	55.096	ug/l	95
47) Bromodichloromethane	9.490	83	117740	55.424	ug/l	97
48) Methyl methacrylate	9.289	41	55339	60.859	ug/l	89
49) 1,4-Dioxane	9.289	88	14182	1141.351	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	341973	303.437	ug/l	91
52) Toluene	10.240	92	234338	55.079	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	125816	55.772	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	131339	54.157	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	71438	54.933	ug/l	98
56) Ethyl methacrylate	10.508	69	99355	59.758	ug/l #	85
57) 1,3-Dichloropropane	10.789	76	120097	56.613	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.777	63	195864	272.299	ug/l	96
59) 2-Hexanone	10.831	43	244058	316.291	ug/l	89
60) Dibromochloromethane	10.984	129	88234	55.971	ug/l	98
61) 1,2-Dibromoethane	11.087	107	73137	56.755	ug/l	98
64) Tetrachloroethene	10.715	164	74025	49.472	ug/l	95
65) Chlorobenzene	11.514	112	249793	52.941	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	93195	53.942	ug/l	97
67) Ethyl Benzene	11.593	91	464348	54.609	ug/l	97
68) m/p-Xylenes	11.703	106	397014	115.014	ug/l	91
69) o-Xylene	12.026	106	181644	56.667	ug/l	91
70) Styrene	12.044	104	325902	59.120	ug/l	94
71) Bromoform	12.209	173	65344	57.054	ug/l #	99
73) Isopropylbenzene	12.325	105	498070	48.089	ug/l	99
74) N-amyl acetate	12.142	43	131039	54.837	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	102789	48.178	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	71772m	48.252	ug/l	
77) Bromobenzene	12.605	156	113807	47.402	ug/l	94
78) n-propylbenzene	12.666	91	624341	52.176	ug/l	99
79) 2-Chlorotoluene	12.758	91	343296	49.736	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	447932	51.598	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	34952	48.229	ug/l	88
82) 4-Chlorotoluene	12.849	91	381264	51.644	ug/l	97
83) tert-Butylbenzene	13.075	119	392934	51.019	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	454961	52.793	ug/l	97
85) sec-Butylbenzene	13.252	105	618812	52.514	ug/l	100
86) p-Isopropyltoluene	13.373	119	461693	46.984	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	247519	48.330	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	268092	52.104	ug/l	98
89) n-Butylbenzene	13.697	91	479859	53.378	ug/l	100
90) Hexachloroethane	13.959	117	91349	49.606	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	236530	52.319	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11436	34.525	ug/l	66
93) 1,2,4-Trichlorobenzene	15.007	180	117993	47.556	ug/l	99
94) Hexachlorobutadiene	15.111	225	62957	46.556	ug/l	97
95) Naphthalene	15.239	128	257719	51.706	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	105089	48.741	ug/l	99

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

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