

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041122\
 Data File : VY008280.D
 Acq On : 11 Apr 2022 18:08
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/12/2022
 Supervised By : Mahesh Dadoda 04/12/2022

Quant Time: Apr 12 07:00:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	115894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	203780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	194793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	64028	58.816	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.640%			
35) Dibromofluoromethane	7.716	113	63480	53.934	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.860%			
50) Toluene-d8	10.179	98	217556	54.018	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.040%			
62) 4-Bromofluorobenzene	12.483	95	84635	55.871	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	52121	54.306	ug/l	98
3) Chloromethane	2.113	50	63677	59.683	ug/l	95
4) Vinyl Chloride	2.253	62	89036	53.927	ug/l	98
5) Bromomethane	2.650	94	79744	63.403	ug/l	97
6) Chloroethane	2.796	64	61328	53.034	ug/l	98
7) Trichlorofluoromethane	3.125	101	113311	57.677	ug/l	98
8) Diethyl Ether	3.534	74	40989	57.732	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.899	101	73188	57.351	ug/l	93
10) Methyl Iodide	4.095	142	72729	50.950	ug/l	90
11) Tert butyl alcohol	4.954	59	39291	337.603	ug/l #	95
12) 1,1-Dichloroethene	3.875	96	65024	56.884	ug/l	81
13) Acrolein	3.729	56	30520	333.049	ug/l	98
14) Allyl chloride	4.479	41	87295	58.515	ug/l #	90
15) Acrylonitrile	5.161	53	108404	312.172	ug/l	97
16) Acetone	3.942	43	74296	283.747	ug/l #	84
17) Carbon Disulfide	4.192	76	162649	53.935	ug/l	100
18) Methyl Acetate	4.479	43	43728	71.797	ug/l #	78
19) Methyl tert-butyl Ether	5.222	73	219850	62.322	ug/l	93
20) Methylene Chloride	4.716	84	82668	61.553	ug/l #	77
21) trans-1,2-Dichloroethene	5.216	96	79165	57.803	ug/l #	82
22) Diisopropyl ether	6.119	45	214494	60.942	ug/l #	92
23) Vinyl Acetate	6.058	43	727962	319.199	ug/l #	84
24) 1,1-Dichloroethane	6.015	63	136533	60.432	ug/l	99
25) 2-Butanone	6.984	43	128810	314.610	ug/l #	77
26) 2,2-Dichloropropane	6.978	77	127444	61.254	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	99275	61.093	ug/l	79
28) Bromochloromethane	7.338	49	58498	67.551	ug/l #	63
29) Tetrahydrofuran	7.344	42	84542	319.823	ug/l #	70
30) Chloroform	7.509	83	156790	62.150	ug/l	98
31) Cyclohexane	7.783	56	108712	55.224	ug/l	86
32) 1,1,1-Trichloroethane	7.704	97	137488	62.301	ug/l	95
36) 1,1-Dichloropropene	7.917	75	110072	58.565	ug/l	96
37) Ethyl Acetate	7.070	43	59873	61.781	ug/l #	91
38) Carbon Tetrachloride	7.899	117	121428	60.053	ug/l	96
39) Methylcyclohexane	9.185	83	139222	57.571	ug/l #	83
40) Benzene	8.161	78	329130	58.806	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	35418m	65.327	ug/l	
42) 1,2-Dichloroethane	8.234	62	96944	59.704	ug/l	89
43) Isopropyl Acetate	8.271	43	112923	62.784	ug/l #	84
44) Trichloroethene	8.941	130	94831	59.452	ug/l	98
45) 1,2-Dichloropropane	9.216	63	80554	58.917	ug/l	98
46) Dibromomethane	9.307	93	55050	60.834	ug/l	96
47) Bromodichloromethane	9.496	83	123308	60.590	ug/l	100
48) Methyl methacrylate	9.295	41	47214	61.751	ug/l #	70
49) 1,4-Dioxane	9.295	88	16051	1374.470	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	300535	323.597	ug/l #	82
52) Toluene	10.246	92	217025	58.854	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	129238	62.312	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	141207	60.348	ug/l #	82
55) 1,1,2-Trichloroethane	10.648	97	78738	60.997	ug/l	98
56) Ethyl methacrylate	10.508	69	104416	65.977	ug/l #	72
57) 1,3-Dichloropropane	10.788	76	126525	61.038	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	190734	305.961	ug/l #	88
59) 2-Hexanone	10.831	43	209373	327.629	ug/l	80
60) Dibromochloromethane	10.983	129	93214	61.819	ug/l	100
61) 1,2-Dibromoethane	11.087	107	77049	61.050	ug/l	100
64) Tetrachloroethene	10.721	164	77727	56.614	ug/l	96
65) Chlorobenzene	11.520	112	248413	58.805	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	96152	60.997	ug/l	98
67) Ethyl Benzene	11.593	91	425289	59.201	ug/l	97
68) m/p-Xylenes	11.703	106	342715	119.954	ug/l	90
69) o-Xylene	12.032	106	167902	60.559	ug/l	90
70) Styrene	12.044	104	285921	62.530	ug/l	93
71) Bromoform	12.209	173	59981	63.125	ug/l #	97
73) Isopropylbenzene	12.331	105	437262	56.951	ug/l	99
74) N-amyl acetate	12.142	43	101899	61.130	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.581	83	95756	58.941	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	58924m	51.591	ug/l	
77) Bromobenzene	12.611	156	102873	54.678	ug/l	93
78) n-propylbenzene	12.672	91	510509	56.348	ug/l	97
79) 2-Chlorotoluene	12.758	91	288239	56.690	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	364722	57.931	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	30906	60.546	ug/l #	81
82) 4-Chlorotoluene	12.855	91	296451	56.736	ug/l	94
83) tert-Butylbenzene	13.075	119	326636	57.832	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	361172	57.968	ug/l	96
85) sec-Butylbenzene	13.257	105	484620	57.876	ug/l	99
86) p-Isopropyltoluene	13.373	119	407398	58.304	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	216361	58.065	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	211741	57.415	ug/l	98
89) n-Butylbenzene	13.696	91	360588	57.117	ug/l	97
90) Hexachloroethane	13.965	117	76001	58.194	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	194621	58.707	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14541	62.557	ug/l	74
93) 1,2,4-Trichlorobenzene	15.007	180	104250	53.168	ug/l	99
94) Hexachlorobutadiene	15.117	225	53600	53.845	ug/l	99
95) Naphthalene	15.239	128	245900	58.546	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	93012	54.207	ug/l	98

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

