

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041922\
 Data File : VY008408.D
 Acq On : 19 Apr 2022 20:00
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/20/2022
 Supervised By :Mahesh Dadoda 04/20/2022

Quant Time: Apr 20 06:32:14 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	120664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	212272	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	199524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	105955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	57930	51.111	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.220%			
35) Dibromofluoromethane	7.722	113	60377	49.245	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.500%			
50) Toluene-d8	10.179	98	200899	47.887	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.780%			
62) 4-Bromofluorobenzene	12.483	95	77365	49.029	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	45493	45.526	ug/l	96
3) Chloromethane	2.113	50	60283	53.698	ug/l	96
4) Vinyl Chloride	2.253	62	82622	48.064	ug/l	98
5) Bromomethane	2.650	94	78255	59.472	ug/l	98
6) Chloroethane	2.796	64	57894	48.085	ug/l	98
7) Trichlorofluoromethane	3.125	101	105289	51.475	ug/l	91
8) Diethyl Ether	3.527	74	38992	52.748	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.899	101	69813	52.544	ug/l	92
10) Methyl Iodide	4.094	142	66569	45.080	ug/l	91
11) Tert butyl alcohol	4.948	59	42980	354.702	ug/l	98
12) 1,1-Dichloroethene	3.875	96	59257	49.790	ug/l #	76
13) Acrolein	3.729	56	18760	196.626	ug/l	99
14) Allyl chloride	4.479	41	83218	53.577	ug/l #	90
15) Acrylonitrile	5.161	53	106485	294.523	ug/l	97
16) Acetone	3.948	43	74742	274.166	ug/l #	89
17) Carbon Disulfide	4.198	76	127963	40.756	ug/l	99
18) Methyl Acetate	4.472	43	44281	69.634	ug/l #	82
19) Methyl tert-butyl Ether	5.222	73	215631	58.710	ug/l	94
20) Methylene Chloride	4.716	84	83275	59.255	ug/l #	82
21) trans-1,2-Dichloroethene	5.222	96	72417	50.785	ug/l #	81
22) Diisopropyl ether	6.118	45	213645	58.301	ug/l #	92
23) Vinyl Acetate	6.058	43	716406	301.714	ug/l #	85
24) 1,1-Dichloroethane	6.015	63	134190	57.047	ug/l	97
25) 2-Butanone	6.984	43	128268	300.901	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	122376	56.493	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	93779	55.430	ug/l	82
28) Bromochloromethane	7.332	49	52646	58.390	ug/l #	69
29) Tetrahydrofuran	7.344	42	82579	300.047	ug/l #	72
30) Chloroform	7.508	83	152601	58.099	ug/l	99
31) Cyclohexane	7.789	56	94017	45.872	ug/l #	84
32) 1,1,1-Trichloroethane	7.704	97	131162	57.085	ug/l	95
36) 1,1-Dichloropropene	7.917	75	100250	51.205	ug/l	96
37) Ethyl Acetate	7.076	43	59604	59.043	ug/l #	90
38) Carbon Tetrachloride	7.899	117	113115	53.704	ug/l	97
39) Methylcyclohexane	9.185	83	120826	47.965	ug/l #	86
40) Benzene	8.161	78	307082	52.672	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	34864m	61.733	ug/l	
42) 1,2-Dichloroethane	8.234	62	93934	55.536	ug/l	89
43) Isopropyl Acetate	8.271	43	112978	60.301	ug/l #	85
44) Trichloroethene	8.941	130	86875	52.286	ug/l	99
45) 1,2-Dichloropropane	9.215	63	78806	55.333	ug/l	92
46) Dibromomethane	9.307	93	52263	55.444	ug/l	94
47) Bromodichloromethane	9.496	83	120292	56.744	ug/l	98
48) Methyl methacrylate	9.289	41	47142	59.190	ug/l #	72
49) 1,4-Dioxane	9.295	88	14978	1231.277	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	307103	317.440	ug/l #	83
52) Toluene	10.246	92	206983	53.885	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	122933	56.901	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	134736	55.278	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	76765	57.090	ug/l	96
56) Ethyl methacrylate	10.508	69	100200	60.780	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	121357	56.202	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	162350	250.011	ug/l	90
59) 2-Hexanone	10.831	43	210213	315.784	ug/l	80
60) Dibromochloromethane	10.983	129	90977	57.921	ug/l	100
61) 1,2-Dibromoethane	11.087	107	72858	55.420	ug/l	99
64) Tetrachloroethene	10.721	164	73025	51.928	ug/l	99
65) Chlorobenzene	11.514	112	237377	54.860	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	94242	58.367	ug/l	98
67) Ethyl Benzene	11.593	91	411617	55.939	ug/l	98
68) m/p-Xylenes	11.703	106	329997	112.764	ug/l	91
69) o-Xylene	12.032	106	162261	57.136	ug/l	90
70) Styrene	12.044	104	278671	59.500	ug/l	94
71) Bromoform	12.209	173	57525	59.104	ug/l #	100
73) Isopropylbenzene	12.331	105	424677	53.910	ug/l	100
74) N-amyl acetate	12.142	43	104340	61.008	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	94743	56.839	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	59424m	50.710	ug/l	
77) Bromobenzene	12.611	156	98276	50.910	ug/l	94
78) n-propylbenzene	12.672	91	497809	53.553	ug/l	98
79) 2-Chlorotoluene	12.758	91	283636	54.370	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	355467	55.030	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	31087	59.357	ug/l #	83
82) 4-Chlorotoluene	12.855	91	295245	55.073	ug/l	95
83) tert-Butylbenzene	13.075	119	317054	54.713	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	355732	55.648	ug/l	97
85) sec-Butylbenzene	13.257	105	478754	55.726	ug/l	99
86) p-Isopropyltoluene	13.373	119	399961	55.789	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	207131	54.179	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	202363	53.481	ug/l	99
89) n-Butylbenzene	13.696	91	353570	54.586	ug/l	99
90) Hexachloroethane	13.965	117	75446	56.305	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	185944	54.668	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14067	58.984	ug/l	74
93) 1,2,4-Trichlorobenzene	15.007	180	100954	50.182	ug/l	98
94) Hexachlorobutadiene	15.111	225	49849	48.808	ug/l	98
95) Naphthalene	15.239	128	237746	55.170	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	88874	50.483	ug/l	99

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

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