

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008885.D
 Acq On : 19 May 2022 22:43
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: May 20 02:55:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	148988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	255371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	257225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	158093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	81969	59.305	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.600%			
35) Dibromofluoromethane	7.716	113	76847	51.503	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.000%			
50) Toluene-d8	10.179	98	320652	48.452	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.900%			
62) 4-Bromofluorobenzene	12.483	95	120908	51.009	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	45819	49.361	ug/l	98
3) Chloromethane	2.113	50	69828	52.338	ug/l	96
4) Vinyl Chloride	2.253	62	98878	48.741	ug/l	99
5) Bromomethane	2.643	94	90854	52.317	ug/l	98
6) Chloroethane	2.790	64	75043	48.475	ug/l	100
7) Trichlorofluoromethane	3.125	101	95931	47.799	ug/l	95
8) Diethyl Ether	3.527	74	34634	52.465	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.899	101	62840	51.316	ug/l	93
10) Methyl Iodide	4.088	142	70044	45.378	ug/l	92
11) Tert butyl alcohol	4.954	59	36682	240.131	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	56241	44.487	ug/l	88
13) Acrolein	3.729	56	8230	108.907	ug/l	97
14) Allyl chloride	4.472	41	86068	46.284	ug/l #	85
15) Acrylonitrile	5.161	53	105213	235.037	ug/l	99
16) Acetone	3.948	43	73738	237.833	ug/l	96
17) Carbon Disulfide	4.192	76	153587	47.106	ug/l	97
18) Methyl Acetate	4.478	43	46796	47.428	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	198076	58.175	ug/l	96
20) Methylene Chloride	4.716	84	80326	57.351	ug/l	87
21) trans-1,2-Dichloroethene	5.222	96	73019	47.106	ug/l	85
22) Diisopropyl ether	6.118	45	237611	60.336	ug/l #	94
23) Vinyl Acetate	6.057	43	807148	290.688	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	136050	52.064	ug/l	98
25) 2-Butanone	6.984	43	141105	243.267	ug/l #	86
26) 2,2-Dichloropropane	6.984	77	116705	46.990	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	88005	51.187	ug/l	89
28) Bromochloromethane	7.332	49	52787	53.283	ug/l #	85
29) Tetrahydrofuran	7.344	42	95416	246.937	ug/l #	86
30) Chloroform	7.508	83	150872	53.851	ug/l	98
31) Cyclohexane	7.783	56	114028	52.375	ug/l	88
32) 1,1,1-Trichloroethane	7.703	97	131765	50.726	ug/l	98
36) 1,1-Dichloropropene	7.917	75	106680	44.641	ug/l	97
37) Ethyl Acetate	7.069	43	64288	45.143	ug/l	96
38) Carbon Tetrachloride	7.899	117	115733	45.189	ug/l	99
39) Methylcyclohexane	9.185	83	133559	47.127	ug/l	88
40) Benzene	8.161	78	333504	49.875	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	34389m	45.918	ug/l	
42) 1,2-Dichloroethane	8.234	62	101858	51.893	ug/l	93
43) Isopropyl Acetate	8.270	43	124929	52.697	ug/l #	92
44) Trichloroethene	8.941	130	85199	46.840	ug/l	96
45) 1,2-Dichloropropane	9.215	63	85720	53.940	ug/l	99
46) Dibromomethane	9.307	93	53681	51.406	ug/l	95
47) Bromodichloromethane	9.496	83	124472	53.768	ug/l	98
48) Methyl methacrylate	9.295	41	53721	51.607	ug/l #	81
49) 1,4-Dioxane	9.295	88	14334	913.867	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	359357	256.769	ug/l	90
52) Toluene	10.246	92	239830	52.782	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	134432	55.907	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	138323	53.346	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	78977	55.617	ug/l	97
56) Ethyl methacrylate	10.508	69	103760	60.226	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	127299	54.520	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	238423	271.387	ug/l	95
59) 2-Hexanone	10.831	43	254365	254.371	ug/l	87
60) Dibromochloromethane	10.983	129	95996	56.313	ug/l	100
61) 1,2-Dibromoethane	11.087	107	76218	53.822	ug/l	100
64) Tetrachloroethene	10.721	164	76890	46.697	ug/l	96
65) Chlorobenzene	11.514	112	259818	49.908	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	101435	53.333	ug/l	98
67) Ethyl Benzene	11.593	91	471554	50.722	ug/l	99
68) m/p-Xylenes	11.703	106	390821	105.521	ug/l	92
69) o-Xylene	12.032	106	187717	54.852	ug/l	91
70) Styrene	12.044	104	333747	57.610	ug/l	93
71) Bromoform	12.209	173	70351	54.489	ug/l #	98
73) Isopropylbenzene	12.331	105	503894	46.474	ug/l	100
74) N-amyl acetate	12.142	43	131501	50.811	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	111776	46.371	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	82574m	45.216	ug/l	
77) Bromobenzene	12.611	156	118137	47.022	ug/l	95
78) n-propylbenzene	12.672	91	627901	47.139	ug/l	100
79) 2-Chlorotoluene	12.757	91	347297	48.138	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	436657	49.879	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	36358	43.547	ug/l	85
82) 4-Chlorotoluene	12.855	91	379772	49.827	ug/l	97
83) tert-Butylbenzene	13.074	119	389296	49.447	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	445448	51.399	ug/l	97
85) sec-Butylbenzene	13.257	105	614630	50.038	ug/l	99
86) p-Isopropyltoluene	13.373	119	516255	51.545	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	263692	49.952	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	263512	50.467	ug/l	99
89) n-Butylbenzene	13.696	91	463427	48.747	ug/l	100
90) Hexachloroethane	13.958	117	95202	50.275	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	237935	51.542	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17109	41.512	ug/l	77
93) 1,2,4-Trichlorobenzene	15.007	180	122094	48.433	ug/l	100
94) Hexachlorobutadiene	15.111	225	64549	44.498	ug/l	97
95) Naphthalene	15.239	128	269408	47.806	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	107952	48.747	ug/l	99

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

