

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061722\
 Data File : VY009235.D
 Acq On : 17 Jun 2022 18:23
 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 :Semsettin Yesilyurt 06/20/2022
 Supervised By :Mahesh Dadoda 06/20/2022

Quant Time: Jun 17 22:57:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 16 02:54:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	193501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	314128	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	281171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	140803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	102885	50.900	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.800%			
35) Dibromofluoromethane	7.703	113	102964	52.280	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.560%			
50) Toluene-d8	10.172	98	372471	49.682	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.360%			
62) 4-Bromofluorobenzene	12.477	95	132506	49.737	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.893	85	70117	47.870	ug/l	99
3) Chloromethane	2.101	50	74892	41.269	ug/l	96
4) Vinyl Chloride	2.235	62	83267	43.712	ug/l	98
5) Bromomethane	2.637	94	60633	45.309	ug/l	94
6) Chloroethane	2.777	64	55783	46.799	ug/l	95
7) Trichlorofluoromethane	3.113	101	154825	50.882	ug/l	95
8) Diethyl Ether	3.515	74	59141	51.224	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.881	101	97251	51.980	ug/l	95
10) Methyl Iodide	4.076	142	127787	53.468	ug/l	88
11) Tert butyl alcohol	4.942	59	53448	166.671	ug/l #	93
12) 1,1-Dichloroethene	3.857	96	92180	50.062	ug/l	83
13) Acrolein	3.710	56	9737	165.337	ug/l	99
14) Allyl chloride	4.466	41	163123	49.093	ug/l #	91
15) Acrylonitrile	5.149	53	156809	253.932	ug/l	98
16) Acetone	3.936	43	118673	233.076	ug/l	90
17) Carbon Disulfide	4.180	76	266716	50.035	ug/l	100
18) Methyl Acetate	4.466	43	73174	49.758	ug/l	92
19) Methyl tert-butyl Ether	5.204	73	289282	52.071	ug/l	99
20) Methylene Chloride	4.698	84	122125	53.489	ug/l	89
21) trans-1,2-Dichloroethene	5.198	96	111913	51.871	ug/l	83
22) Diisopropyl ether	6.112	45	335128	48.914	ug/l	88
23) Vinyl Acetate	6.045	43	1103923	256.133	ug/l #	92
24) 1,1-Dichloroethane	6.003	63	197466	51.007	ug/l	99
25) 2-Butanone	6.978	43	196666	244.094	ug/l #	88
26) 2,2-Dichloropropane	6.966	77	166102	48.423	ug/l	95
27) cis-1,2-Dichloroethene	6.972	96	130427	51.545	ug/l	86
28) Bromochloromethane	7.325	49	81139	48.898	ug/l #	81
29) Tetrahydrofuran	7.338	42	130211	243.400	ug/l #	88
30) Chloroform	7.496	83	203340	51.063	ug/l	98
31) Cyclohexane	7.777	56	170546	47.102	ug/l	91
32) 1,1,1-Trichloroethane	7.691	97	177555	50.710	ug/l	96
36) 1,1-Dichloropropene	7.911	75	150462	49.665	ug/l	96
37) Ethyl Acetate	7.063	43	89328	49.550	ug/l #	94
38) Carbon Tetrachloride	7.892	117	158901	50.724	ug/l	99
39) Methylcyclohexane	9.179	83	188170	51.519	ug/l	90
40) Benzene	8.155	78	441488	49.903	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	51235m	50.811	ug/l	
42) 1,2-Dichloroethane	8.228	62	130406	50.542	ug/l	91
43) Isopropyl Acetate	8.264	43	165625	49.670	ug/l #	91
44) Trichloroethene	8.929	130	129152	51.072	ug/l	98
45) 1,2-Dichloropropane	9.209	63	113324	50.534	ug/l	95
46) Dibromomethane	9.301	93	65789	51.001	ug/l	98
47) Bromodichloromethane	9.490	83	157381	51.190	ug/l	98
48) Methyl methacrylate	9.289	41	74542	50.085	ug/l #	86
49) 1,4-Dioxane	9.301	88	17296	942.599	ug/l #	94
51) 4-Methyl-2-Pentanone	10.063	43	426696	243.270	ug/l	92
52) Toluene	10.240	92	277050	49.046	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	166892	51.750	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	185537	50.940	ug/l #	88
55) 1,1,2-Trichloroethane	10.636	97	93861	51.418	ug/l	96
56) Ethyl methacrylate	10.502	69	129157	52.192	ug/l #	82
57) 1,3-Dichloropropane	10.782	76	160239	51.385	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	266535	248.475	ug/l	94
59) 2-Hexanone	10.825	43	294116	244.428	ug/l	90
60) Dibromochloromethane	10.977	129	117339	52.503	ug/l	98
61) 1,2-Dibromoethane	11.081	107	90745	51.006	ug/l	99
64) Tetrachloroethene	10.715	164	135068	51.853	ug/l	95
65) Chlorobenzene	11.508	112	302130	49.604	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	114920	51.519	ug/l	98
67) Ethyl Benzene	11.587	91	525902	49.481	ug/l	97
68) m/p-Xylenes	11.697	106	413534	98.690	ug/l	93
69) o-Xylene	12.026	106	202933	51.114	ug/l	90
70) Styrene	12.038	104	342096	51.365	ug/l	96
71) Bromoform	12.203	173	73295	51.445	ug/l #	98
73) Isopropylbenzene	12.325	105	526307	49.664	ug/l	99
74) N-amyl acetate	12.136	43	142328	48.147	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	98556	46.989	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	70496m	45.344	ug/l	
77) Bromobenzene	12.605	156	130952	50.296	ug/l	91
78) n-propylbenzene	12.666	91	626665	48.873	ug/l	98
79) 2-Chlorotoluene	12.751	91	353241	48.895	ug/l	96
80) 1,3,5-Trimethylbenzene	12.806	105	435362	49.152	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	36749	47.107	ug/l	88
82) 4-Chlorotoluene	12.849	91	365308	48.461	ug/l	96
83) tert-Butylbenzene	13.068	119	390005	50.081	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	433518	49.864	ug/l	96
85) sec-Butylbenzene	13.251	105	570106	49.439	ug/l	98
86) p-Isopropyltoluene	13.367	119	474680	49.604	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	250184	49.821	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	247618	48.577	ug/l	100
89) n-Butylbenzene	13.690	91	444793	49.154	ug/l	98
90) Hexachloroethane	13.958	117	89290	49.485	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	226357	49.848	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17976	47.498	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	135067	47.308	ug/l	98
94) Hexachlorobutadiene	15.111	225	74085	47.212	ug/l	99
95) Naphthalene	15.233	128	300035	50.384	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	118463	47.144	ug/l	99

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

