

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081022\
 Data File : VY009951.D
 Acq On : 10 Aug 2022 15:23
 Operator : KP/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/11/2022
 Supervised By :Semsettin Yesilyurt 08/11/2022

Quant Time: Aug 10 17:02:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 17:00:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	71142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	121679	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	106314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	54226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	7877	12.065	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	24.120%#		
35) Dibromofluoromethane	7.704	113	7903	11.886	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	23.780%#		
50) Toluene-d8	10.173	98	29503	12.566	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	25.140%#		
62) 4-Bromofluorobenzene	12.477	95	10093	10.812	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	21.620%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	7426	12.364	ug/l	97
3) Chloromethane	2.101	50	7362	10.179	ug/l	95
4) Vinyl Chloride	2.235	62	7356	9.772	ug/l	94
5) Bromomethane	2.637	94	5641	10.902	ug/l	94
6) Chloroethane	2.778	64	4550	9.763	ug/l	97
7) Trichlorofluoromethane	3.107	101	14713	11.661	ug/l	100
8) Diethyl Ether	3.515	74	5331	11.851	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.881	101	8744	11.838	ug/l	94
10) Methyl Iodide	4.070	142	9599	11.391	ug/l	97
11) Tert butyl alcohol	4.942	59	3545	44.959	ug/l #	78
12) 1,1-Dichloroethene	3.857	96	8226	11.958	ug/l	94
13) Acrolein	3.717	56	5113	197.109	ug/l	97
14) Allyl chloride	4.466	41	13482	10.698	ug/l	99
15) Acrylonitrile	5.155	53	12734	53.508	ug/l	98
16) Acetone	3.936	43	9089	47.351	ug/l #	81
17) Carbon Disulfide	4.180	76	28278	12.995	ug/l	99
18) Methyl Acetate	4.466	43	6563	9.712	ug/l	100
19) Methyl tert-butyl Ether	5.210	73	19865	10.446	ug/l	94
20) Methylene Chloride	4.698	84	12373	9.554	ug/l	95
21) trans-1,2-Dichloroethene	5.204	96	9179	11.710	ug/l	89
22) Diisopropyl ether	6.106	45	27736	10.449	ug/l	96
23) Vinyl Acetate	6.045	43	84939	51.414	ug/l	96
24) 1,1-Dichloroethane	5.997	63	15858	11.003	ug/l	97
25) 2-Butanone	6.978	43	15845	49.272	ug/l	100
26) 2,2-Dichloropropane	6.972	77	12286	9.946	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	9892	11.093	ug/l	98
28) Bromochloromethane	7.320	49	6926	13.107	ug/l	92
29) Tetrahydrofuran	7.338	42	10675	50.268	ug/l	95
30) Chloroform	7.496	83	15815	10.907	ug/l	99
31) Cyclohexane	7.777	56	15503	11.202	ug/l #	89
32) 1,1,1-Trichloroethane	7.691	97	13352	10.927	ug/l	98
36) 1,1-Dichloropropene	7.905	75	12443	11.072	ug/l	99
37) Ethyl Acetate	7.064	43	7418	10.146	ug/l	99
38) Carbon Tetrachloride	7.893	117	12048	10.876	ug/l	98
39) Methylcyclohexane	9.179	83	14100	10.642	ug/l	95
40) Benzene	8.149	78	37279	11.059	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	3387	8.466	ug/l #	100
42) 1,2-Dichloroethane	8.228	62	9788	10.517	ug/l	100
43) Isopropyl Acetate	8.265	43	12739	9.829	ug/l	98
44) Trichloroethene	8.935	130	9516	10.889	ug/l	96
45) 1,2-Dichloropropane	9.209	63	9494	10.880	ug/l	97
46) Dibromomethane	9.301	93	5236	10.751	ug/l	95
47) Bromodichloromethane	9.490	83	11483	10.281	ug/l	93
48) Methyl methacrylate	9.283	41	5683	9.845	ug/l	94
49) 1,4-Dioxane	9.289	88	1070	197.803	ug/l #	87
51) 4-Methyl-2-Pentanone	10.063	43	34204	47.754	ug/l	98
52) Toluene	10.240	92	22889	10.935	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	11674	9.965	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	14057	10.506	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	7437	10.587	ug/l	95
56) Ethyl methacrylate	10.508	69	8233	9.102	ug/l	92
57) 1,3-Dichloropropane	10.788	76	12228	10.383	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	22779	52.801	ug/l	100
59) 2-Hexanone	10.831	43	22662	46.583	ug/l	97
60) Dibromochloromethane	10.977	129	8156	10.079	ug/l	98
61) 1,2-Dibromoethane	11.087	107	7008	10.527	ug/l	98
64) Tetrachloroethene	10.715	164	8450	10.732	ug/l	95
65) Chlorobenzene	11.514	112	23642	11.100	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	8706	11.233	ug/l	97
67) Ethyl Benzene	11.587	91	39868	10.715	ug/l	95
68) m/p-Xylenes	11.697	106	31765	22.084	ug/l	96
69) o-Xylene	12.026	106	13983	10.427	ug/l	99
70) Styrene	12.038	104	23176	10.033	ug/l	99
71) Bromoform	12.209	173	4779	10.093	ug/l #	100
73) Isopropylbenzene	12.325	105	37632	10.219	ug/l	98
74) N-amyl acetate	12.142	43	10847	9.216	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.575	83	9046	10.790	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	6068m	10.196	ug/l	
77) Bromobenzene	12.605	156	9278	10.495	ug/l	92
78) n-propylbenzene	12.666	91	48112	10.313	ug/l	98
79) 2-Chlorotoluene	12.752	91	28171	10.777	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	31935	10.369	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	3004	10.159	ug/l	96
82) 4-Chlorotoluene	12.849	91	29327	10.662	ug/l	96
83) tert-Butylbenzene	13.075	119	25157	9.530	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	30991	10.283	ug/l	100
85) sec-Butylbenzene	13.251	105	41683	10.251	ug/l	97
86) p-Isopropyltoluene	13.367	119	33094	10.045	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	18917	10.690	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	19503	10.844	ug/l	98
89) n-Butylbenzene	13.696	91	32607	10.101	ug/l	96
90) Hexachloroethane	13.959	117	7186	10.417	ug/l	92
91) 1,2-Dichlorobenzene	13.733	146	17324	10.784	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1353	10.240	ug/l	89
93) 1,2,4-Trichlorobenzene	15.001	180	9036	9.880	ug/l	98
94) Hexachlorobutadiene	15.105	225	5340	10.376	ug/l	97
95) Naphthalene	15.233	128	17184	9.028	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	7929	9.777	ug/l	97

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

