

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010097.D
 Acq On : 19 Aug 2022 12:04
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/22/2022
 Supervised By :Mahesh Dadoda 08/22/2022

Quant Time: Aug 21 23:45:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Sun Aug 21 23:41:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	296909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	456223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	414642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	208668	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	230391	93.747	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 187.500%#	
35) Dibromofluoromethane	7.710	113	256992	99.962	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 199.920%#	
50) Toluene-d8	10.179	98	936642	96.701	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 193.400%#	
62) 4-Bromofluorobenzene	12.477	95	345673	100.524	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 201.040%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.900	85	211252	94.605	ug/l	97
3) Chloromethane	2.107	50	238948	95.204	ug/l	98
4) Vinyl Chloride	2.241	62	266269	97.817	ug/l	99
5) Bromomethane	2.631	94	187027	89.494	ug/l	100
6) Chloroethane	2.784	64	167780	96.339	ug/l	100
7) Trichlorofluoromethane	3.113	101	446299	96.540	ug/l	98
8) Diethyl Ether	3.521	74	155466	98.919	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.887	101	276472	96.298	ug/l	99
10) Methyl Iodide	4.076	142	377953	108.822	ug/l	100
11) Tert butyl alcohol	4.942	59	119095	444.100	ug/l	99
12) 1,1-Dichloroethene	3.857	96	272288	99.376	ug/l	100
13) Acrolein	3.723	56	58503	397.018	ug/l	100
14) Allyl chloride	4.466	41	413207	102.495	ug/l	100
15) Acrylonitrile	5.149	53	386229	514.630	ug/l	100
16) Acetone	3.936	43	300614	492.676	ug/l	99
17) Carbon Disulfide	4.180	76	842568	96.422	ug/l	98
18) Methyl Acetate	4.466	43	183243	97.920	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	709867	105.647	ug/l	98
20) Methylene Chloride	4.704	84	308849	61.670	ug/l	98
21) trans-1,2-Dichloroethene	5.204	96	308586	99.320	ug/l	99
22) Diisopropyl ether	6.112	45	868458	102.569	ug/l	98
23) Vinyl Acetate	6.045	43	2753843	540.932	ug/l	99
24) 1,1-Dichloroethane	6.003	63	505710	98.434	ug/l	99
25) 2-Butanone	6.978	43	485550	495.105	ug/l	99
26) 2,2-Dichloropropane	6.972	77	443903	96.194	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	342637	99.748	ug/l	99
28) Bromochloromethane	7.326	49	176691	101.774	ug/l	100
29) Tetrahydrofuran	7.338	42	326950	526.842	ug/l	100
30) Chloroform	7.496	83	524565	97.483	ug/l	99
31) Cyclohexane	7.777	56	476629	94.834	ug/l	99
32) 1,1,1-Trichloroethane	7.691	97	465157	99.487	ug/l	99
36) 1,1-Dichloropropene	7.911	75	414524	101.226	ug/l	100
37) Ethyl Acetate	7.063	43	215769	104.318	ug/l	99
38) Carbon Tetrachloride	7.893	117	430317	99.993	ug/l	100
39) Methylcyclohexane	9.179	83	529975	105.739	ug/l	99
40) Benzene	8.155	78	1206385	99.941	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	120792m	49.797	ug/l	
42) 1,2-Dichloroethane	8.228	62	307699	99.283	ug/l	99
43) Isopropyl Acetate	8.264	43	396801	106.681	ug/l	99
44) Trichloroethene	8.935	130	343990	99.313	ug/l	99
45) 1,2-Dichloropropane	9.209	63	293238	101.147	ug/l	99
46) Dibromomethane	9.301	93	171273	100.943	ug/l	99
47) Bromodichloromethane	9.490	83	397341	100.558	ug/l	98
48) Methyl methacrylate	9.289	41	182995	110.685	ug/l	98
49) 1,4-Dioxane	9.295	88	42484	2193.164	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	1078246	536.315	ug/l	99
52) Toluene	10.240	92	771563	100.993	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	425408	106.360	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	484229	103.256	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	245423	100.341	ug/l	98
56) Ethyl methacrylate	10.508	69	339364	112.185	ug/l	100
57) 1,3-Dichloropropane	10.788	76	410075	101.984	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	565452	451.943	ug/l	99
59) 2-Hexanone	10.831	43	757654	552.541	ug/l	100
60) Dibromochloromethane	10.983	129	301413	101.272	ug/l	98
61) 1,2-Dibromoethane	11.087	107	241439	101.648	ug/l	100
64) Tetrachloroethene	10.715	164	330702	98.575	ug/l	98
65) Chlorobenzene	11.514	112	830311	99.476	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	310059	100.698	ug/l	99
67) Ethyl Benzene	11.593	91	1494249	103.408	ug/l	100
68) m/p-Xylenes	11.703	106	1155005	204.580	ug/l	100
69) o-Xylene	12.026	106	552143	105.613	ug/l	100
70) Styrene	12.044	104	941545	105.525	ug/l	99
71) Bromoform	12.203	173	194150	102.788	ug/l #	100
73) Isopropylbenzene	12.325	105	1458582	104.719	ug/l	100
74) N-amyl acetate	12.142	43	371148	111.844	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	280436	99.844	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	195842m	60.948	ug/l	
77) Bromobenzene	12.605	156	344512	101.069	ug/l	99
78) n-propylbenzene	12.666	91	1771850	103.378	ug/l	99
79) 2-Chlorotoluene	12.751	91	987637	102.073	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	1210034	103.651	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	103822	108.156	ug/l	100
82) 4-Chlorotoluene	12.855	91	1013166	100.795	ug/l	99
83) tert-Butylbenzene	13.075	119	1069127	105.342	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	1192549	103.038	ug/l	100
85) sec-Butylbenzene	13.251	105	1592973	103.147	ug/l	100
86) p-Isopropyltoluene	13.367	119	1329364	104.692	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	683647	99.310	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	670686	96.915	ug/l	100
89) n-Butylbenzene	13.696	91	1253813	104.954	ug/l	100
90) Hexachloroethane	13.959	117	255808	97.656	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	602703	98.500	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	43701	102.161	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	380059	106.092	ug/l	100
94) Hexachlorobutadiene	15.111	225	213278	99.130	ug/l	100
95) Naphthalene	15.233	128	798592	116.836	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	333691	107.059	ug/l	99

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

