

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082322\
 Data File : VY010159.D
 Acq On : 23 Aug 2022 11:55
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/24/2022
 Supervised By :Mahesh Dadoda 08/24/2022

Quant Time: Aug 24 04:31:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	236791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	364073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	341586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	181692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	91959	47.413	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.820%		
35) Dibromofluoromethane	7.710	113	101724	49.586	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.180%		
50) Toluene-d8	10.179	98	341591	44.437	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.880%		
62) 4-Bromofluorobenzene	12.483	95	140096	51.008	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	74264	42.080	ug/l	98
3) Chloromethane	2.107	50	94758	47.721	ug/l	97
4) Vinyl Chloride	2.241	62	104088	48.121	ug/l	99
5) Bromomethane	2.643	94	89502	54.658	ug/l	98
6) Chloroethane	2.784	64	77426	56.087	ug/l	99
7) Trichlorofluoromethane	3.113	101	178291	48.638	ug/l	99
8) Diethyl Ether	3.521	74	68975	55.129	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.887	101	113299	49.789	ug/l	100
10) Methyl Iodide	4.082	142	147873	52.612	ug/l	98
11) Tert butyl alcohol	4.948	59	56294	278.722	ug/l	98
12) 1,1-Dichloroethene	3.863	96	111016	50.857	ug/l	99
13) Acrolein	3.722	56	24878	254.524	ug/l	99
14) Allyl chloride	4.466	41	184870	57.261	ug/l	98
15) Acrylonitrile	5.149	53	182087	302.743	ug/l	99
16) Acetone	3.942	43	145395	299.517	ug/l	100
17) Carbon Disulfide	4.186	76	358841	51.800	ug/l	99
18) Methyl Acetate	4.472	43	87239	58.657	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	309435	57.206	ug/l	100
20) Methylene Chloride	4.710	84	141225	51.254	ug/l	96
21) trans-1,2-Dichloroethene	5.204	96	129603	52.363	ug/l	97
22) Diisopropyl ether	6.112	45	384119	56.642	ug/l	99
23) Vinyl Acetate	6.051	43	1262269	306.710	ug/l	98
24) 1,1-Dichloroethane	6.009	63	218924	53.571	ug/l	99
25) 2-Butanone	6.978	43	232512	297.767	ug/l	97
26) 2,2-Dichloropropane	6.972	77	188517	51.550	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	146271	53.416	ug/l	99
28) Bromochloromethane	7.325	49	74366	53.552	ug/l	95
29) Tetrahydrofuran	7.338	42	155684	311.769	ug/l	98
30) Chloroform	7.496	83	223839	52.378	ug/l	100
31) Cyclohexane	7.777	56	204385	51.433	ug/l	98
32) 1,1,1-Trichloroethane	7.697	97	199388	53.517	ug/l	99
36) 1,1-Dichloropropene	7.911	75	175848	53.701	ug/l	100
37) Ethyl Acetate	7.069	43	104606	62.922	ug/l	99
38) Carbon Tetrachloride	7.892	117	181251	52.778	ug/l	98
39) Methylcyclohexane	9.179	83	220392	54.580	ug/l	97
40) Benzene	8.155	78	515099	53.479	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	53645m	56.290	ug/l	
42) 1,2-Dichloroethane	8.234	62	140863	57.023	ug/l	100
43) Isopropyl Acetate	8.270	43	184780	61.567	ug/l	98
44) Trichloroethene	8.935	130	144048	52.174	ug/l	100
45) 1,2-Dichloropropane	9.209	63	126065	54.386	ug/l	99
46) Dibromomethane	9.301	93	74635	55.035	ug/l	100
47) Bromodichloromethane	9.490	83	171729	54.410	ug/l	100
48) Methyl methacrylate	9.289	41	82156	61.180	ug/l	96
49) 1,4-Dioxane	9.295	88	18686	1189.640	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	509570	313.812	ug/l	99
52) Toluene	10.240	92	332571	54.460	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	182433	56.557	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	207110	55.043	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	107689	55.141	ug/l	97
56) Ethyl methacrylate	10.508	69	147771	59.995	ug/l	97
57) 1,3-Dichloropropane	10.788	76	178848	55.553	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	224637	228.650	ug/l	99
59) 2-Hexanone	10.831	43	358504	321.985	ug/l	98
60) Dibromochloromethane	10.983	129	128240	53.879	ug/l	99
61) 1,2-Dibromoethane	11.087	107	103826	54.626	ug/l	100
64) Tetrachloroethene	10.715	164	139020	50.421	ug/l	99
65) Chlorobenzene	11.514	112	351709	51.194	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	130262	51.293	ug/l	99
67) Ethyl Benzene	11.593	91	631235	52.727	ug/l	100
68) m/p-Xylenes	11.703	106	494102	105.832	ug/l	100
69) o-Xylene	12.026	106	232050	53.380	ug/l	100
70) Styrene	12.044	104	402182	54.216	ug/l	99
71) Bromoform	12.209	173	84439	54.014	ug/l #	100
73) Isopropylbenzene	12.331	105	617146	50.490	ug/l	100
74) N-amyl acetate	12.142	43	165933	56.316	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	123553	50.533	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	92642m	54.444	ug/l	
77) Bromobenzene	12.605	156	145526	48.944	ug/l	98
78) n-propylbenzene	12.672	91	759091	50.580	ug/l	100
79) 2-Chlorotoluene	12.757	91	419774	49.654	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	521250	50.969	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	46369	54.732	ug/l	97
82) 4-Chlorotoluene	12.855	91	433992	49.521	ug/l	100
83) tert-Butylbenzene	13.074	119	447499	50.192	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	518336	51.175	ug/l	99
85) sec-Butylbenzene	13.251	105	679018	50.231	ug/l	100
86) p-Isopropyltoluene	13.367	119	567496	50.929	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	291100	48.621	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	290196	48.408	ug/l	99
89) n-Butylbenzene	13.696	91	532337	50.758	ug/l	99
90) Hexachloroethane	13.958	117	109143	48.040	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	263939	49.664	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	20396	54.563	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	164431	52.185	ug/l	100
94) Hexachlorobutadiene	15.111	225	94576	50.558	ug/l	100
95) Naphthalene	15.239	128	352593	51.519	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	146125	53.216	ug/l	100

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

