

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091522\
 Data File : VY010522.D
 Acq On : 15 Sep 2022 19:33
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

09/16/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Sep 16 02:57:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	223468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	353486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	321641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	169683	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	115759	51.433	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.860%	
35) Dibromofluoromethane	7.710	113	114030	45.422	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.840%	
50) Toluene-d8	10.179	98	412412	50.688	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.380%	
62) 4-Bromofluorobenzene	12.477	95	150585	46.228	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.460%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.900	85	77705	51.600	ug/l 98
3) Chloromethane	2.107	50	114714	45.691	ug/l 98
4) Vinyl Chloride	2.247	62	149774	48.355	ug/l 98
5) Bromomethane	2.644	94	98111	45.213	ug/l 99
6) Chloroethane	2.784	64	102910	49.672	ug/l 97
7) Trichlorofluoromethane	3.113	101	195086	49.722	ug/l 92
8) Diethyl Ether	3.521	74	65198	51.308	ug/l 77
9) 1,1,2-Trichlorotrifluo...	3.887	101	115439	50.252	ug/l 96
10) Methyl Iodide	4.082	142	139487	49.069	ug/l 91
11) Tert butyl alcohol	4.948	59	57168	236.397	ug/l # 94
12) 1,1-Dichloroethene	3.863	96	104807	48.633	ug/l 83
13) Acrolein	3.723	56	49777	231.826	ug/l 98
14) Allyl chloride	4.473	41	155581	50.133	ug/l # 93
15) Acrylonitrile	5.155	53	172040	279.680	ug/l 98
16) Acetone	3.942	43	127794	247.418	ug/l # 86
17) Carbon Disulfide	4.186	76	248674	42.670	ug/l 100
18) Methyl Acetate	4.473	43	81241	51.127	ug/l # 88
19) Methyl tert-butyl Ether	5.210	73	313270	52.638	ug/l 95
20) Methylene Chloride	4.704	84	160903	66.613	ug/l # 84
21) trans-1,2-Dichloroethene	5.210	96	118992	48.629	ug/l 86
22) Diisopropyl ether	6.112	45	363392	52.451	ug/l # 93
23) Vinyl Acetate	6.051	43	1154336	271.880	ug/l # 92
24) 1,1-Dichloroethane	6.009	63	220986	52.686	ug/l 99
25) 2-Butanone	6.978	43	218688	266.417	ug/l # 84
26) 2,2-Dichloropropane	6.972	77	195731	48.903	ug/l 96
27) cis-1,2-Dichloroethene	6.978	96	146666	51.564	ug/l 88
28) Bromochloromethane	7.326	49	69098	51.382	ug/l # 81
29) Tetrahydrofuran	7.338	42	138674	270.686	ug/l # 82
30) Chloroform	7.502	83	237235	53.322	ug/l 99
31) Cyclohexane	7.777	56	175185	46.074	ug/l 92
32) 1,1,1-Trichloroethane	7.698	97	212885	52.843	ug/l 96
36) 1,1-Dichloropropene	7.911	75	167646	48.779	ug/l 97
37) Ethyl Acetate	7.070	43	97696	54.073	ug/l # 93
38) Carbon Tetrachloride	7.893	117	191121	49.984	ug/l 98
39) Methylcyclohexane	9.179	83	202792	47.322	ug/l 89
40) Benzene	8.155	78	493890	49.920	ug/l 97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	58355m	56.498	ug/l	
42) 1,2-Dichloroethane	8.234	62	150565	51.176	ug/l	92
43) Isopropyl Acetate	8.271	43	176596	53.410	ug/l #	91
44) Trichloroethene	8.935	130	142200	48.828	ug/l	99
45) 1,2-Dichloropropane	9.209	63	125426	51.981	ug/l	97
46) Dibromomethane	9.301	93	75083	51.600	ug/l	99
47) Bromodichloromethane	9.496	83	182665	52.851	ug/l	98
48) Methyl methacrylate	9.289	41	80248	54.039	ug/l #	83
49) 1,4-Dioxane	9.295	88	21043	1092.465	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	502231	276.921	ug/l	89
52) Toluene	10.240	92	322493	49.811	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	182963	51.440	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	205353	51.187	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	108101	52.226	ug/l	98
56) Ethyl methacrylate	10.508	69	144167	53.035	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	180920	52.567	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	199145	269.655	ug/l	94
59) 2-Hexanone	10.831	43	346106	279.960	ug/l	87
60) Dibromochloromethane	10.984	129	131549	52.007	ug/l	99
61) 1,2-Dibromoethane	11.087	107	102997	51.260	ug/l	100
64) Tetrachloroethene	10.715	164	138996	47.945	ug/l	97
65) Chlorobenzene	11.514	112	358058	49.780	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	138140	51.853	ug/l	99
67) Ethyl Benzene	11.593	91	637144	50.048	ug/l	96
68) m/p-Xylenes	11.703	106	489221	97.886	ug/l	95
69) o-Xylene	12.026	106	239685	50.225	ug/l	94
70) Styrene	12.044	104	406395	50.315	ug/l	96
71) Bromoform	12.209	173	85122	51.106	ug/l #	99
73) Isopropylbenzene	12.331	105	644104	48.651	ug/l	100
74) N-amyl acetate	12.142	43	160182	51.855	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	127669	51.550	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	94164m	50.282	ug/l	
77) Bromobenzene	12.605	156	148755	47.418	ug/l	95
78) n-propylbenzene	12.672	91	766442	48.888	ug/l	98
79) 2-Chlorotoluene	12.758	91	430607	48.896	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	544044	48.703	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	42891	50.853	ug/l	89
82) 4-Chlorotoluene	12.855	91	443605	48.420	ug/l	98
83) tert-Butylbenzene	13.075	119	485010	49.675	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	544127	49.783	ug/l	99
85) sec-Butylbenzene	13.251	105	709744	49.092	ug/l	99
86) p-Isopropyltoluene	13.367	119	601675	49.201	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	298489	47.383	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	296251	47.492	ug/l	98
89) n-Butylbenzene	13.696	91	555000	49.998	ug/l	98
90) Hexachloroethane	13.959	117	111788	48.687	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	268085	48.048	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22432	53.661	ug/l	78
93) 1,2,4-Trichlorobenzene	15.007	180	169103	48.798	ug/l	99
94) Hexachlorobutadiene	15.111	225	101764	48.670	ug/l	99
95) Naphthalene	15.233	128	367840	53.817	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	148427	49.066	ug/l	98

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

