

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121222\
 Data File : VY011779.D
 Acq On : 12 Dec 2022 18:13
 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 :Krupa Patel 12/13/2022
 Supervised By :Mahesh Dadoda 12/13/2022

Quant Time: Dec 13 00:21:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	213151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	327056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	300202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	154029	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	68718	46.953	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.900%		
35) Dibromofluoromethane	7.716	113	71592	49.207	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.420%		
50) Toluene-d8	10.179	98	224510	46.685	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.380%		
62) 4-Bromofluorobenzene	12.483	95	92853	48.864	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	44390	46.514	ug/l	97
3) Chloromethane	2.113	50	53767	46.915	ug/l	97
4) Vinyl Chloride	2.253	62	65992	48.326	ug/l	100
5) Bromomethane	2.650	94	46991	51.478	ug/l	92
6) Chloroethane	2.796	64	46390	43.889	ug/l	100
7) Trichlorofluoromethane	3.125	101	132317	45.158	ug/l	98
8) Diethyl Ether	3.527	74	46422	45.232	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	81140	46.389	ug/l	100
10) Methyl Iodide	4.094	142	89786	43.842	ug/l	97
11) Tert butyl alcohol	4.948	59	44477	259.924	ug/l	100
12) 1,1-Dichloroethene	3.875	96	70682	44.807	ug/l	97
13) Acrolein	3.729	56	77184	256.869	ug/l	99
14) Allyl chloride	4.479	41	118150	45.090	ug/l	99
15) Acrylonitrile	5.161	53	135032	245.124	ug/l	99
16) Acetone	3.948	43	134654	231.358	ug/l	98
17) Carbon Disulfide	4.198	76	154643	42.927	ug/l	98
18) Methyl Acetate	4.479	43	63711	45.822	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	241135	48.821	ug/l	98
20) Methylene Chloride	4.716	84	107010	51.869	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	81785	46.129	ug/l	95
22) Diisopropyl ether	6.118	45	283911	49.661	ug/l	98
23) Vinyl Acetate	6.064	43	859991	263.681	ug/l	100
24) 1,1-Dichloroethane	6.021	63	163709	47.123	ug/l	99
25) 2-Butanone	6.984	43	177690	237.347	ug/l	100
26) 2,2-Dichloropropane	6.984	77	150768	46.128	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	101639	46.905	ug/l	98
28) Bromochloromethane	7.332	49	62573	49.474	ug/l	100
29) Tetrahydrofuran	7.350	42	106298	249.460	ug/l	99
30) Chloroform	7.508	83	181332	48.824	ug/l	98
31) Cyclohexane	7.789	56	121493	48.871	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	159412	48.128	ug/l	99
36) 1,1-Dichloropropene	7.917	75	119555	48.172	ug/l	99
37) Ethyl Acetate	7.076	43	74546	51.376	ug/l	99
38) Carbon Tetrachloride	7.905	117	145290	49.837	ug/l	97
39) Methylcyclohexane	9.185	83	133543	47.821	ug/l	97
40) Benzene	8.161	78	356862	48.131	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	39003m	53.248	ug/l	
42) 1,2-Dichloroethane	8.234	62	113065	49.313	ug/l	100
43) Isopropyl Acetate	8.271	43	131978	50.162	ug/l	99
44) Trichloroethene	8.941	130	98113	47.249	ug/l	99
45) 1,2-Dichloropropane	9.215	63	94028	48.999	ug/l	96
46) Dibromomethane	9.307	93	53548	49.850	ug/l	100
47) Bromodichloromethane	9.496	83	140756	50.721	ug/l	96
48) Methyl methacrylate	9.289	41	58885	50.773	ug/l	98
49) 1,4-Dioxane	9.295	88	15509	1042.187	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	384176	264.998	ug/l	100
52) Toluene	10.246	92	235285	49.917	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	138757	50.058	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	154085	49.475	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	81555	51.367	ug/l	98
56) Ethyl methacrylate	10.508	69	106944	52.180	ug/l	99
57) 1,3-Dichloropropane	10.788	76	135184	51.080	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	237689	250.102	ug/l	98
59) 2-Hexanone	10.831	43	272375	262.957	ug/l	99
60) Dibromochloromethane	10.983	129	102140	51.364	ug/l	100
61) 1,2-Dibromoethane	11.087	107	74426	51.744	ug/l	98
64) Tetrachloroethene	10.721	164	104212	49.065	ug/l	97
65) Chlorobenzene	11.514	112	260248	48.113	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	105127	50.098	ug/l	99
67) Ethyl Benzene	11.593	91	468440	49.149	ug/l	100
68) m/p-Xylenes	11.703	106	360212	98.688	ug/l	99
69) o-Xylene	12.032	106	173031	49.734	ug/l	100
70) Styrene	12.044	104	300711	50.642	ug/l	99
71) Bromoform	12.209	173	66360	51.270	ug/l	98
73) Isopropylbenzene	12.331	105	476362	47.734	ug/l	100
74) N-amyl acetate	12.142	43	116387	48.507	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	92260	47.470	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	74128m	47.568	ug/l	
77) Bromobenzene	12.611	156	111231	47.737	ug/l	99
78) n-propylbenzene	12.672	91	569082	47.584	ug/l	100
79) 2-Chlorotoluene	12.758	91	319210	46.768	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	404786	47.988	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	33051	48.127	ug/l	99
82) 4-Chlorotoluene	12.855	91	333550	47.116	ug/l	100
83) tert-Butylbenzene	13.075	119	361272	49.187	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	402880	48.509	ug/l	99
85) sec-Butylbenzene	13.251	105	524780	47.976	ug/l	99
86) p-Isopropyltoluene	13.367	119	445713	48.958	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	223463	47.656	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	218538	46.893	ug/l	99
89) n-Butylbenzene	13.696	91	404210	48.840	ug/l	99
90) Hexachloroethane	13.959	117	86034	47.557	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	201765	47.816	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	16458	48.571	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	124693	50.667	ug/l	98
94) Hexachlorobutadiene	15.111	225	77776	49.739	ug/l	99
95) Naphthalene	15.233	128	252815	53.039	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	109796	51.650	ug/l	100

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

