

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012924\
 Data File : VY017131.D
 Acq On : 29 Jan 2024 17:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/30/2024
 Supervised By :Semsettin Yesilyurt 01/30/2024

Quant Time: Jan 30 00:30:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 25 04:44:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	112179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	186118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	159560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	70670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	55487	50.767	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.540%			
35) Dibromofluoromethane	7.734	113	59168	52.673	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.340%			
50) Toluene-d8	10.197	98	227786	53.689	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.380%			
62) 4-Bromofluorobenzene	12.496	95	68909	52.723	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	38909	47.611	ug/l	98
3) Chloromethane	2.125	50	77264	55.128	ug/l	97
4) Vinyl Chloride	2.266	62	91445	57.238	ug/l	99
5) Bromomethane	2.668	94	67820	56.671	ug/l	92
6) Chloroethane	2.808	64	61969	58.902	ug/l	96
7) Trichlorofluoromethane	3.144	101	99436	54.179	ug/l	98
8) Diethyl Ether	3.546	74	29262	45.274	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.924	101	60268	48.032	ug/l	99
10) Methyl Iodide	4.113	142	60320	50.602	ug/l	98
11) Tert butyl alcohol	4.979	59	16169	198.195	ug/l	95
12) 1,1-Dichloroethene	3.893	96	56600	49.278	ug/l	96
13) Acrolein	3.747	56	23057	175.900	ug/l	99
14) Allyl chloride	4.503	41	90297	52.013	ug/l	99
15) Acrylonitrile	5.186	53	63654	226.920	ug/l	100
16) Acetone	3.967	43	59139	192.078	ug/l	96
17) Carbon Disulfide	4.217	76	163318	47.177	ug/l	100
18) Methyl Acetate	4.497	43	54225	48.362	ug/l	100
19) Methyl tert-butyl Ether	5.247	73	129093	46.058	ug/l	98
20) Methylene Chloride	4.741	84	67999	56.772	ug/l	98
21) trans-1,2-Dichloroethene	5.241	96	68022	51.200	ug/l	96
22) Diisopropyl ether	6.143	45	200162	52.233	ug/l	95
23) Vinyl Acetate	6.082	43	430412	231.544	ug/l	100
24) 1,1-Dichloroethane	6.039	63	120560	51.579	ug/l	98
25) 2-Butanone	7.009	43	80582	193.528	ug/l	99
26) 2,2-Dichloropropane	7.009	77	98938	49.559	ug/l	99
27) cis-1,2-Dichloroethene	7.009	96	76129	51.710	ug/l	99
28) Bromochloromethane	7.356	49	48377	51.988	ug/l	99
29) Tetrahydrofuran	7.368	42	49104	221.561	ug/l	98
30) Chloroform	7.527	83	122321	51.394	ug/l	100
31) Cyclohexane	7.807	56	102089	52.827	ug/l	98
32) 1,1,1-Trichloroethane	7.722	97	104892	51.395	ug/l	99
36) 1,1-Dichloropropene	7.941	75	95147	51.481	ug/l	99
37) Ethyl Acetate	7.094	43	34937	43.963	ug/l	99
38) Carbon Tetrachloride	7.923	117	91684	50.622	ug/l	100
39) Methylcyclohexane	9.203	83	111617	50.212	ug/l	98
40) Benzene	8.179	78	278821	51.947	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	20004	47.066	ug/l	95
42) 1,2-Dichloroethane	8.252	62	67482	48.495	ug/l	99
43) Isopropyl Acetate	8.289	43	66318	44.701	ug/l	100
44) Trichloroethene	8.960	130	70519	51.226	ug/l	95
45) 1,2-Dichloropropane	9.234	63	67825	51.484	ug/l	100
46) Dibromomethane	9.319	93	33263	47.543	ug/l	99
47) Bromodichloromethane	9.514	83	90820	51.024	ug/l	98
48) Methyl methacrylate	9.307	41	39026	47.377	ug/l	97
49) 1,4-Dioxane	9.319	88	7166	1041.404	ug/l	100
51) 4-Methyl-2-Pentanone	10.087	43	174417	221.009	ug/l	99
52) Toluene	10.258	92	171684	52.847	ug/l	100
53) t-1,3-Dichloropropene	10.478	75	79561	48.930	ug/l	97
54) cis-1,3-Dichloropropene	9.941	75	100928	50.468	ug/l	99
55) 1,1,2-Trichloroethane	10.661	97	46300	47.349	ug/l	97
56) Ethyl methacrylate	10.526	69	39873	46.629	ug/l	98
57) 1,3-Dichloropropane	10.807	76	80903	48.936	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	161023	271.278	ug/l	98
59) 2-Hexanone	10.843	43	119036	197.709	ug/l	100
60) Dibromochloromethane	10.996	129	55943	49.243	ug/l	100
61) 1,2-Dibromoethane	11.106	107	41900	47.168	ug/l	99
64) Tetrachloroethene	10.734	164	55888	50.251	ug/l	94
65) Chlorobenzene	11.532	112	173083	51.189	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.605	131	63818	51.671	ug/l	100
67) Ethyl Benzene	11.605	91	326169	53.062	ug/l	98
68) m/p-Xylenes	11.715	106	245137	106.144	ug/l	100
69) o-Xylene	12.044	106	111857	53.320	ug/l	100
70) Styrene	12.057	104	164805	54.113	ug/l	99
71) Bromoform	12.221	173	29466	47.579	ug/l #	100
73) Isopropylbenzene	12.343	105	307811	52.983	ug/l	100
74) N-amyl acetate	12.154	43	52882	45.159	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.593	83	49590	44.764	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	34588m	40.322	ug/l	
77) Bromobenzene	12.624	156	64461	51.278	ug/l	95
78) n-propylbenzene	12.685	91	372760	53.345	ug/l	100
79) 2-Chlorotoluene	12.770	91	200732	52.349	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	243965	53.060	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.392	75	14927	45.051	ug/l	96
82) 4-Chlorotoluene	12.867	91	206598	51.986	ug/l	99
83) tert-Butylbenzene	13.087	119	213787	53.755	ug/l	100
84) 1,2,4-Trimethylbenzene	13.130	105	239344	52.374	ug/l	98
85) sec-Butylbenzene	13.264	105	317407	53.899	ug/l	99
86) p-Isopropyltoluene	13.380	119	261501	53.309	ug/l	99
87) 1,3-Dichlorobenzene	13.380	146	124003	49.963	ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	120056	49.164	ug/l	98
89) n-Butylbenzene	13.709	91	251932	53.246	ug/l	100
90) Hexachloroethane	13.971	117	53323	52.154	ug/l	100
91) 1,2-Dichlorobenzene	13.751	146	106118	50.067	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	6136	43.367	ug/l	95
93) 1,2,4-Trichlorobenzene	15.019	180	52399	47.309	ug/l	98
94) Hexachlorobutadiene	15.123	225	32911	49.371	ug/l	98
95) Naphthalene	15.251	128	84162	43.022	ug/l	98
96) 1,2,3-Trichlorobenzene	15.440	180	42192	45.788	ug/l	98

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

