

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012422\
 Data File : VY007264.D
 Acq On : 24 Jan 2022 10:53
 Operator : SY/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 : John Carlone 01/25/2022
 Supervised By : Mahesh Dadoda 01/25/2022

Quant Time: Jan 25 00:32:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	101018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	166822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	148150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	66054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	60364	48.700	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.400%		
35) Dibromofluoromethane	7.722	113	58646	51.990	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.980%		
50) Toluene-d8	10.185	98	213944	51.906	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.820%		
62) 4-Bromofluorobenzene	12.489	95	73759	50.307	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	14118	39.858	ug/l	97
3) Chloromethane	2.119	50	35390	47.644	ug/l	100
4) Vinyl Chloride	2.266	62	54228	50.160	ug/l	98
5) Bromomethane	2.668	94	37925	54.175	ug/l	96
6) Chloroethane	2.808	64	34623	51.328	ug/l	98
7) Trichlorofluoromethane	3.137	101	60619	52.028	ug/l	99
8) Diethyl Ether	3.528	74	32040	49.938	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.912	101	57075	50.279	ug/l	99
10) Methyl Iodide	4.101	142	84653	50.419	ug/l	98
11) Tert butyl alcohol	4.960	59	24416	230.647	ug/l	99
12) 1,1-Dichloroethene	3.881	96	56297	49.250	ug/l	99
13) Acrolein	3.735	56	6042	237.103	ug/l	100
14) Allyl chloride	4.485	41	85122	46.443	ug/l	95
15) Acrylonitrile	5.168	53	75607	245.198	ug/l	98
16) Acetone	3.954	43	69212	215.156	ug/l	99
17) Carbon Disulfide	4.204	76	150740	47.486	ug/l	100
18) Methyl Acetate	4.485	43	51499	44.992	ug/l	96
19) Methyl tert-butyl Ether	5.228	73	115018	51.110	ug/l	100
20) Methylene Chloride	4.722	84	61897	46.533	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	60768	49.036	ug/l	96
22) Diisopropyl ether	6.125	45	183947	49.539	ug/l	98
23) Vinyl Acetate	6.064	43	545648	249.878	ug/l	99
24) 1,1-Dichloroethane	6.027	63	111645	49.428	ug/l	96
25) 2-Butanone	6.990	43	92915	223.405	ug/l	99
26) 2,2-Dichloropropane	6.984	77	85000	51.635	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	70796	50.362	ug/l	98
28) Bromochloromethane	7.338	49	44035	53.896	ug/l	97
29) Tetrahydrofuran	7.350	42	63109	236.052	ug/l	99
30) Chloroform	7.515	83	125424	53.443	ug/l	100
31) Cyclohexane	7.789	56	96718	46.154	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	102580	51.137	ug/l	99
36) 1,1-Dichloropropene	7.923	75	91007	50.515	ug/l	100
37) Ethyl Acetate	7.082	43	43911	47.493	ug/l	97
38) Carbon Tetrachloride	7.911	117	97286	51.339	ug/l	99
39) Methylcyclohexane	9.191	83	110278	50.133	ug/l	98
40) Benzene	8.167	78	243922	50.757	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	28647m	53.804	ug/l	
42) 1,2-Dichloroethane	8.246	62	76804	50.752	ug/l	99
43) Isopropyl Acetate	8.277	43	86827	48.263	ug/l	99
44) Trichloroethene	8.947	130	65396	50.287	ug/l	98
45) 1,2-Dichloropropane	9.222	63	61212	50.088	ug/l	97
46) Dibromomethane	9.313	93	36547	50.572	ug/l	97
47) Bromodichloromethane	9.502	83	92296	51.951	ug/l	99
48) Methyl methacrylate	9.295	41	37686	46.055	ug/l	95
49) 1,4-Dioxane	9.307	88	8216	1054.405	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	219726	240.877	ug/l	99
52) Toluene	10.252	92	155975	51.204	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	96371	51.386	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	108096	51.491	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	49373	50.368	ug/l	97
56) Ethyl methacrylate	10.514	69	69413	50.264	ug/l	99
57) 1,3-Dichloropropane	10.795	76	86786	50.792	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	143578	228.647	ug/l	98
59) 2-Hexanone	10.837	43	143335	231.534	ug/l	98
60) Dibromochloromethane	10.990	129	62634	51.978	ug/l	100
61) 1,2-Dibromoethane	11.093	107	48316	50.172	ug/l	98
64) Tetrachloroethene	10.727	164	53867	50.444	ug/l	96
65) Chlorobenzene	11.520	112	166164	51.295	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	61718	51.397	ug/l	99
67) Ethyl Benzene	11.599	91	311152	51.105	ug/l	97
68) m/p-Xylenes	11.709	106	231741	102.424	ug/l	100
69) o-Xylene	12.038	106	107563	50.482	ug/l	97
70) Styrene	12.050	104	186130	51.782	ug/l	99
71) Bromoform	12.215	173	35954	51.763	ug/l #	97
73) Isopropylbenzene	12.337	105	293284	51.407	ug/l	100
74) N-amyl acetate	12.148	43	75573	49.536	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	55521	50.047	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	39948m	53.038	ug/l	
77) Bromobenzene	12.611	156	64347	51.835	ug/l	99
78) n-propylbenzene	12.678	91	359458	50.826	ug/l	99
79) 2-Chlorotoluene	12.764	91	199460	50.725	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	239476	51.122	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	20215	49.135	ug/l #	95
82) 4-Chlorotoluene	12.861	91	209160	50.992	ug/l	100
83) tert-Butylbenzene	13.081	119	210062	51.897	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	236212	50.872	ug/l	99
85) sec-Butylbenzene	13.258	105	308679	50.975	ug/l	99
86) p-Isopropyltoluene	13.373	119	257220	51.689	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	124403	51.198	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	122575	50.168	ug/l	99
89) n-Butylbenzene	13.703	91	249017	50.822	ug/l	99
90) Hexachloroethane	13.965	117	50551	51.961	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	107413	49.683	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8901	46.455	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	66378	50.489	ug/l	99
94) Hexachlorobutadiene	15.117	225	34831	51.405	ug/l	98
95) Naphthalene	15.245	128	137388	49.201	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	56651	50.507	ug/l	98

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

