

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
 Data File : VY007178.D
 Acq On : 17 Jan 2022 09:41
 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 01/18/2022
 Supervised By : Mahesh Dadoda 01/18/2022

Quant Time: Jan 17 17:45:27 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	152264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	256587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	225040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	100600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	88867	47.566	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.140%		
35) Dibromofluoromethane	7.722	113	81550	47.003	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.000%		
50) Toluene-d8	10.185	98	294819	46.504	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.000%		
62) 4-Bromofluorobenzene	12.489	95	106783	47.352	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	29165	54.626	ug/l	100
3) Chloromethane	2.119	50	50137	44.780	ug/l	97
4) Vinyl Chloride	2.265	62	80506	49.404	ug/l	99
5) Bromomethane	2.662	94	53617	50.814	ug/l	100
6) Chloroethane	2.808	64	50322	49.494	ug/l	99
7) Trichlorofluoromethane	3.131	101	84519	48.127	ug/l	98
8) Diethyl Ether	3.527	74	49202	50.877	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.905	101	86051	50.292	ug/l	98
10) Methyl Iodide	4.094	142	129632	51.224	ug/l	99
11) Tert butyl alcohol	4.948	59	41861	263.026	ug/l	98
12) 1,1-Dichloroethene	3.875	96	87449	50.755	ug/l	97
13) Acrolein	3.729	56	7791	200.324	ug/l	98
14) Allyl chloride	4.478	41	143702	52.016	ug/l	97
15) Acrylonitrile	5.161	53	125162	269.295	ug/l	98
16) Acetone	3.948	43	111539	230.039	ug/l	100
17) Carbon Disulfide	4.198	76	240766	50.319	ug/l	99
18) Methyl Acetate	4.478	43	84670	49.076	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	178541	52.636	ug/l	99
20) Methylene Chloride	4.722	84	93163	46.466	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	93120	49.853	ug/l	96
22) Diisopropyl ether	6.118	45	290252	51.860	ug/l	98
23) Vinyl Acetate	6.057	43	902433	274.178	ug/l	97
24) 1,1-Dichloroethane	6.021	63	171957	50.507	ug/l	99
25) 2-Butanone	6.984	43	159234	254.006	ug/l	96
26) 2,2-Dichloropropane	6.984	77	124869	50.325	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	107001	50.499	ug/l	98
28) Bromochloromethane	7.332	49	66083	53.660	ug/l	94
29) Tetrahydrofuran	7.350	42	108273	268.681	ug/l	98
30) Chloroform	7.508	83	245558	69.416	ug/l	97
31) Cyclohexane	7.789	56	148733	47.088	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	151283	50.034	ug/l	98
36) 1,1-Dichloropropene	7.923	75	135355	48.847	ug/l	100
37) Ethyl Acetate	7.076	43	76483	53.783	ug/l	98
38) Carbon Tetrachloride	7.905	117	141912	48.689	ug/l	99
39) Methylcyclohexane	9.185	83	165755	48.992	ug/l	97
40) Benzene	8.161	78	361363	48.888	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	45341m	55.366	ug/l	
42) 1,2-Dichloroethane	8.240	62	117651	50.546	ug/l	98
43) Isopropyl Acetate	8.277	43	145169	52.463	ug/l	98
44) Trichloroethene	8.941	130	98817	49.404	ug/l	99
45) 1,2-Dichloropropane	9.222	63	91783	48.829	ug/l	98
46) Dibromomethane	9.307	93	55181	49.643	ug/l	98
47) Bromodichloromethane	9.496	83	145562	53.269	ug/l	98
48) Methyl methacrylate	9.295	41	66400	52.757	ug/l	96
49) 1,4-Dioxane	9.301	88	13382	1116.572	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	363548	259.116	ug/l	97
52) Toluene	10.246	92	230502	49.197	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	146940	50.940	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	162463	50.315	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	74797	49.610	ug/l	98
56) Ethyl methacrylate	10.514	69	108266	50.972	ug/l	95
57) 1,3-Dichloropropane	10.794	76	131835	50.165	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	209536	216.948	ug/l	99
59) 2-Hexanone	10.837	43	240681	252.768	ug/l	97
60) Dibromochloromethane	10.989	129	95465	51.507	ug/l	99
61) 1,2-Dibromoethane	11.093	107	74208	50.100	ug/l	100
64) Tetrachloroethene	10.721	164	78607	48.461	ug/l	97
65) Chlorobenzene	11.520	112	244973	49.785	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	91479	50.152	ug/l	99
67) Ethyl Benzene	11.599	91	462309	49.988	ug/l	99
68) m/p-Xylenes	11.709	106	341868	99.471	ug/l	99
69) o-Xylene	12.032	106	159639	49.324	ug/l	98
70) Styrene	12.050	104	275851	50.522	ug/l	99
71) Bromoform	12.215	173	54957	52.088	ug/l #	98
73) Isopropylbenzene	12.337	105	434532	50.010	ug/l	99
74) N-amyl acetate	12.148	43	126148	54.292	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	86162	50.996	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	64300m	56.054	ug/l	
77) Bromobenzene	12.611	156	95617	50.574	ug/l	98
78) n-propylbenzene	12.678	91	535387	49.706	ug/l	100
79) 2-Chlorotoluene	12.764	91	299827	50.065	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	356863	50.021	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	33026	52.708	ug/l #	100
82) 4-Chlorotoluene	12.861	91	311709	49.896	ug/l	100
83) tert-Butylbenzene	13.081	119	312088	50.626	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	354397	50.115	ug/l	99
85) sec-Butylbenzene	13.257	105	456987	49.551	ug/l	99
86) p-Isopropyltoluene	13.373	119	377538	49.814	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	183894	49.693	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	181626	48.809	ug/l	99
89) n-Butylbenzene	13.702	91	372945	49.977	ug/l	99
90) Hexachloroethane	13.965	117	74353	50.182	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	161887	49.166	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15078	51.670	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	98824	49.355	ug/l	100
94) Hexachlorobutadiene	15.123	225	50839	49.265	ug/l	99
95) Naphthalene	15.245	128	217397	51.119	ug/l	100
96) 1,2,3-Trichlorobenzene	15.434	180	84871	49.683	ug/l	99

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

