

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013122\
 Data File : VY007345.D
 Acq On : 31 Jan 2022 18:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/01/2022
 Supervised By : Mahesh Dadoda 02/02/2022

Quant Time: Feb 01 01:54:28 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	122036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	209588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	185395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	84984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	72697	48.549	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.100%		
35) Dibromofluoromethane	7.722	113	69848	49.286	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.580%		
50) Toluene-d8	10.185	98	239703	46.289	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.580%		
62) 4-Bromofluorobenzene	12.483	95	87790	47.659	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	22923	53.570	ug/l	98
3) Chloromethane	2.119	50	41712	46.483	ug/l	94
4) Vinyl Chloride	2.259	62	65395	50.071	ug/l	97
5) Bromomethane	2.662	94	47169	55.776	ug/l	92
6) Chloroethane	2.802	64	44568	54.692	ug/l	98
7) Trichlorofluoromethane	3.131	101	84849	60.282	ug/l	99
8) Diethyl Ether	3.527	74	43993	56.759	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.912	101	72177	52.632	ug/l	98
10) Methyl Iodide	4.094	142	103596	51.075	ug/l	97
11) Tert butyl alcohol	4.948	59	38566	303.079	ug/l	99
12) 1,1-Dichloroethene	3.875	96	68955	49.934	ug/l	96
13) Acrolein	3.741	56	3574	107.218	ug/l	96
14) Allyl chloride	4.485	41	111174	50.210	ug/l	95
15) Acrylonitrile	5.161	53	112157	301.087	ug/l	98
16) Acetone	3.948	43	106339	273.638	ug/l	95
17) Carbon Disulfide	4.198	76	171852	44.813	ug/l	99
18) Methyl Acetate	4.478	43	78069	56.459	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	150843	55.486	ug/l	98
20) Methylene Chloride	4.716	84	80336	49.993	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	75244	50.261	ug/l	96
22) Diisopropyl ether	6.125	45	245768	54.789	ug/l	99
23) Vinyl Acetate	6.064	43	767509	290.944	ug/l	100
24) 1,1-Dichloroethane	6.021	63	147158	53.929	ug/l	99
25) 2-Butanone	6.990	43	145411	289.411	ug/l	99
26) 2,2-Dichloropropane	6.984	77	106061	53.333	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	91143	53.669	ug/l	99
28) Bromochloromethane	7.338	49	57150	57.901	ug/l	95
29) Tetrahydrofuran	7.350	42	96842	299.841	ug/l	98
30) Chloroform	7.508	83	156327	55.138	ug/l	98
31) Cyclohexane	7.789	56	117331	46.348	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	130370	53.798	ug/l	98
36) 1,1-Dichloropropene	7.923	75	112990	49.919	ug/l	99
37) Ethyl Acetate	7.076	43	66352	57.122	ug/l	96
38) Carbon Tetrachloride	7.905	117	120583	50.648	ug/l	99
39) Methylcyclohexane	9.185	83	131256	47.495	ug/l	99
40) Benzene	8.161	78	310793	51.476	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	32064m	47.934	ug/l	
42) 1,2-Dichloroethane	8.240	62	101201	53.228	ug/l	99
43) Isopropyl Acetate	8.277	43	125407	55.484	ug/l	98
44) Trichloroethene	8.941	130	82962	50.778	ug/l	95
45) 1,2-Dichloropropane	9.222	63	80472	52.412	ug/l	94
46) Dibromomethane	9.307	93	47722	52.561	ug/l	98
47) Bromodichloromethane	9.496	83	119981	53.754	ug/l	96
48) Methyl methacrylate	9.295	41	55481	53.967	ug/l	95
49) 1,4-Dioxane	9.301	88	12470	1273.797	ug/l	87
51) 4-Methyl-2-Pentanone	10.075	43	338353	295.237	ug/l	97
52) Toluene	10.246	92	198094	51.761	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	126491	53.684	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	139071	52.729	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	67265	54.619	ug/l	97
56) Ethyl methacrylate	10.514	69	96680	55.724	ug/l	97
57) 1,3-Dichloropropane	10.794	76	116684	54.356	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	192189	243.609	ug/l	98
59) 2-Hexanone	10.831	43	226551	291.283	ug/l	97
60) Dibromochloromethane	10.989	129	83603	55.223	ug/l	99
61) 1,2-Dibromoethane	11.093	107	65106	53.812	ug/l	100
64) Tetrachloroethene	10.721	164	65707	49.170	ug/l	94
65) Chlorobenzene	11.520	112	212048	52.309	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	81409	54.175	ug/l	98
67) Ethyl Benzene	11.593	91	398685	52.327	ug/l	99
68) m/p-Xylenes	11.703	106	292597	103.341	ug/l	99
69) o-Xylene	12.032	106	136221	51.088	ug/l	97
70) Styrene	12.044	104	241445	53.677	ug/l	99
71) Bromoform	12.209	173	48566	55.874	ug/l #	99
73) Isopropylbenzene	12.331	105	377680	51.454	ug/l	100
74) N-amyl acetate	12.142	43	109487	55.780	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	80005	56.053	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	50800m	52.423	ug/l	
77) Bromobenzene	12.611	156	83051	51.999	ug/l	98
78) n-propylbenzene	12.672	91	464790	51.081	ug/l	100
79) 2-Chlorotoluene	12.757	91	259270	51.248	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	308621	51.208	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	29141	55.054	ug/l #	99
82) 4-Chlorotoluene	12.855	91	270540	51.264	ug/l	100
83) tert-Butylbenzene	13.074	119	268076	51.477	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	305307	51.107	ug/l	99
85) sec-Butylbenzene	13.257	105	398590	51.161	ug/l	99
86) p-Isopropyltoluene	13.373	119	328994	51.386	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	160747	51.419	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	161524	51.383	ug/l	99
89) n-Butylbenzene	13.696	91	327820	52.002	ug/l	99
90) Hexachloroethane	13.958	117	65878	52.632	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	142805	51.340	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13245	53.729	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	88223	52.157	ug/l	99
94) Hexachlorobutadiene	15.111	225	44755	51.339	ug/l	100
95) Naphthalene	15.239	128	197272	54.910	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	75669	52.436	ug/l	99

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

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