

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010722\
 Data File : VY007067.D
 Acq On : 07 Jan 2022 21:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2022
 Supervised By : Mahesh Dadoda 01/12/2022

Quant Time: Jan 08 05:21:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 06 04:51:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	150919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	261400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	230482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	99966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	92163	51.734	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.460%			
35) Dibromofluoromethane	7.728	113	86464	50.320	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.640%			
50) Toluene-d8	10.185	98	313366	49.084	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.160%			
62) 4-Bromofluorobenzene	12.483	95	112586	46.826	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	28615	56.069	ug/l	90
3) Chloromethane	2.119	50	52804	48.371	ug/l	96
4) Vinyl Chloride	2.259	62	81509	56.063	ug/l	99
5) Bromomethane	2.662	94	55447	56.859	ug/l	99
6) Chloroethane	2.808	64	51450	57.641	ug/l	98
7) Trichlorofluoromethane	3.131	101	102063	57.652	ug/l	99
8) Diethyl Ether	3.533	74	51755	51.944	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.911	101	84631	47.960	ug/l	98
10) Methyl Iodide	4.094	142	139171	50.640	ug/l	100
11) Tert butyl alcohol	4.960	59	39377	245.109	ug/l	97
12) 1,1-Dichloroethene	3.881	96	88827	48.372	ug/l	92
13) Acrolein	3.735	56	11020	221.729	ug/l	96
14) Allyl chloride	4.484	41	139279	49.814	ug/l	99
15) Acrylonitrile	5.173	53	125973	256.495	ug/l	98
16) Acetone	3.948	43	94858	241.687	ug/l	95
17) Carbon Disulfide	4.198	76	257793	47.842	ug/l	98
18) Methyl Acetate	4.484	43	85488	50.769	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	187339	54.856	ug/l	100
20) Methylene Chloride	4.722	84	104189	39.801	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	97921	50.129	ug/l	99
22) Diisopropyl ether	6.124	45	283838	52.069	ug/l	97
23) Vinyl Acetate	6.063	43	862156	257.793	ug/l	99
24) 1,1-Dichloroethane	6.027	63	173899	51.897	ug/l	100
25) 2-Butanone	6.990	43	150358	266.064	ug/l	97
26) 2,2-Dichloropropane	6.990	77	123654	48.516	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	110588	50.741	ug/l	98
28) Bromochloromethane	7.344	49	70057	52.508	ug/l	99
29) Tetrahydrofuran	7.350	42	106335	253.289	ug/l	99
30) Chloroform	7.514	83	184123	52.575	ug/l	100
31) Cyclohexane	7.789	56	151402	45.437	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	153419	49.273	ug/l	98
36) 1,1-Dichloropropene	7.923	75	137621	48.054	ug/l	99
37) Ethyl Acetate	7.082	43	73381	49.944	ug/l	99
38) Carbon Tetrachloride	7.911	117	144305	48.177	ug/l	99
39) Methylcyclohexane	9.191	83	171021	45.567	ug/l	97
40) Benzene	8.167	78	384395	49.315	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	45292m	54.874	ug/l	
42) 1,2-Dichloroethane	8.246	62	121347	51.212	ug/l	99
43) Isopropyl Acetate	8.277	43	143463	50.711	ug/l	99
44) Trichloroethene	8.947	130	105273	48.363	ug/l	99
45) 1,2-Dichloropropane	9.221	63	97172	51.149	ug/l	100
46) Dibromomethane	9.307	93	58645	51.011	ug/l	99
47) Bromodichloromethane	9.502	83	143705	51.343	ug/l	100
48) Methyl methacrylate	9.295	41	64588	48.476	ug/l	97
49) 1,4-Dioxane	9.307	88	13082	1134.678	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	361216	257.419	ug/l	100
52) Toluene	10.246	92	243393	48.533	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	149650	49.643	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	169388	50.612	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	79301	50.132	ug/l	98
56) Ethyl methacrylate	10.514	69	113658	50.067	ug/l	98
57) 1,3-Dichloropropane	10.794	76	138941	51.323	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	245473	246.533	ug/l	97
59) 2-Hexanone	10.837	43	236796	260.488	ug/l	99
60) Dibromochloromethane	10.989	129	97722	50.504	ug/l	100
61) 1,2-Dibromoethane	11.093	107	79816	50.266	ug/l	99
64) Tetrachloroethene	10.727	164	86786	49.628	ug/l	97
65) Chlorobenzene	11.520	112	257486	49.353	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	94622	50.622	ug/l	99
67) Ethyl Benzene	11.593	91	476634	49.368	ug/l	98
68) m/p-Xylenes	11.709	106	354981	96.540	ug/l	99
69) o-Xylene	12.032	106	169227	49.073	ug/l	98
70) Styrene	12.044	104	289153	49.359	ug/l	99
71) Bromoform	12.209	173	57195	50.667	ug/l #	100
73) Isopropylbenzene	12.337	105	443345	49.906	ug/l	99
74) N-amyl acetate	12.148	43	118471	50.999	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	89582	52.835	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	62879m	49.937	ug/l	
77) Bromobenzene	12.611	156	99196	51.299	ug/l	99
78) n-propylbenzene	12.672	91	540121	49.964	ug/l	98
79) 2-Chlorotoluene	12.757	91	308134	49.984	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	367654	50.089	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	33346	48.368	ug/l #	100
82) 4-Chlorotoluene	12.855	91	320408	50.058	ug/l	99
83) tert-Butylbenzene	13.081	119	322187	49.785	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	360174	49.870	ug/l	99
85) sec-Butylbenzene	13.257	105	461537	48.940	ug/l	100
86) p-Isopropyltoluene	13.373	119	376881	48.617	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	188188	50.311	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	186045	49.649	ug/l	99
89) n-Butylbenzene	13.696	91	358779	47.934	ug/l	99
90) Hexachloroethane	13.965	117	75507	49.044	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	165771	50.039	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	14410	45.389	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	90570	44.939	ug/l	100
94) Hexachlorobutadiene	15.117	225	45820	43.410	ug/l	100
95) Naphthalene	15.239	128	202390	44.967	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	77174	44.381	ug/l	99

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

