

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021422\
 Data File : VY007494.D
 Acq On : 14 Feb 2022 14:04
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 15 03:47:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 03:43:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	131364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	217463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	193525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	141601	98.293	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 196.580%#			
35) Dibromofluoromethane	7.722	113	131206	95.685	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 191.380%#			
50) Toluene-d8	10.185	98	483275	92.716	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 185.440%#			
62) 4-Bromofluorobenzene	12.483	95	165503	93.075	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 186.140%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	133687	91.270	ug/l	98
3) Chloromethane	2.119	50	113296	78.921	ug/l	96
4) Vinyl Chloride	2.259	62	125335	87.089	ug/l	96
5) Bromomethane	2.656	94	82542	80.436	ug/l	100
6) Chloroethane	2.802	64	78099	89.931	ug/l	98
7) Trichlorofluoromethane	3.137	101	266434	96.141	ug/l	93
8) Diethyl Ether	3.534	74	82802	104.204	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.905	101	148918	97.341	ug/l	94
10) Methyl Iodide	4.101	142	190226	104.189	ug/l	95
11) Tert butyl alcohol	4.966	59	62555	549.606	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	138017	97.329	ug/l	88
13) Acrolein	3.735	56	50270	449.774	ug/l	97
14) Allyl chloride	4.491	41	193197	97.079	ug/l #	90
15) Acrylonitrile	5.174	53	185374	533.327	ug/l	100
16) Acetone	3.954	43	212170	555.042	ug/l	95
17) Carbon Disulfide	4.204	76	388622	95.485	ug/l	99
18) Methyl Acetate	4.485	43	81182	99.736	ug/l #	85
19) Methyl tert-butyl Ether	5.228	73	408956	104.178	ug/l	95
20) Methylene Chloride	4.722	84	146100	92.167	ug/l #	81
21) trans-1,2-Dichloroethene	5.228	96	149854	97.055	ug/l	87
22) Diisopropyl ether	6.125	45	406960	98.469	ug/l #	95
23) Vinyl Acetate	6.070	43	1372377	519.707	ug/l #	91
24) 1,1-Dichloroethane	6.027	63	255515	98.631	ug/l	99
25) 2-Butanone	6.990	43	254562	541.428	ug/l #	84
26) 2,2-Dichloropropane	6.990	77	254216	97.140	ug/l	95
27) cis-1,2-Dichloroethene	6.996	96	171071	99.439	ug/l	87
28) Bromochloromethane	7.344	49	99479	100.279	ug/l #	74
29) Tetrahydrofuran	7.350	42	146774	537.024	ug/l #	82
30) Chloroform	7.515	83	279539	99.398	ug/l	99
31) Cyclohexane	7.789	56	225738	89.096	ug/l	91
32) 1,1,1-Trichloroethane	7.710	97	265543	98.357	ug/l	95
36) 1,1-Dichloropropene	7.923	75	211318	95.742	ug/l	97
37) Ethyl Acetate	7.082	43	105756	107.051	ug/l #	94
38) Carbon Tetrachloride	7.905	117	242690	96.144	ug/l	99
39) Methylcyclohexane	9.185	83	270423	94.750	ug/l	89
40) Benzene	8.167	78	588031	97.140	ug/l	96

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41) Methacrylonitrile	7.332	41	63711m	85.322	ug/l	
42) 1,2-Dichloroethane	8.240	62	184244	98.943	ug/l	93
43) Isopropyl Acetate	8.277	43	211641	105.428	ug/l #	90
44) Trichloroethene	8.947	130	167514	96.740	ug/l	99
45) 1,2-Dichloropropane	9.222	63	140720	98.315	ug/l	95
46) Dibromomethane	9.313	93	89580	100.488	ug/l	95
47) Bromodichloromethane	9.502	83	217872	100.479	ug/l	99
48) Methyl methacrylate	9.295	41	95692	108.117	ug/l #	87
49) 1,4-Dioxane	9.301	88	20232	2092.613	ug/l #	86
51) 4-Methyl-2-Pentanone	10.075	43	536752	539.505	ug/l	91
52) Toluene	10.246	92	380585	97.554	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	231563	102.111	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	253372	100.059	ug/l #	87
55) 1,1,2-Trichloroethane	10.648	97	120962	100.972	ug/l	96
56) Ethyl methacrylate	10.514	69	170343	106.938	ug/l #	83
57) 1,3-Dichloropropane	10.794	76	207813	102.023	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	441099	529.638	ug/l	92
59) 2-Hexanone	10.837	43	386115	537.542	ug/l	89
60) Dibromochloromethane	10.990	129	155571	103.233	ug/l	99
61) 1,2-Dibromoethane	11.093	107	122171	103.331	ug/l	99
64) Tetrachloroethene	10.721	164	141705	93.009	ug/l	96
65) Chlorobenzene	11.520	112	405386	96.146	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	155629	97.310	ug/l	98
67) Ethyl Benzene	11.593	91	754999	95.844	ug/l	99
68) m/p-Xylenes	11.703	106	571254	191.366	ug/l	98
69) o-Xylene	12.032	106	271047	95.430	ug/l	98
70) Styrene	12.044	104	462220	99.385	ug/l	98
71) Bromoform	12.209	173	92370	104.616	ug/l #	97
73) Isopropylbenzene	12.331	105	729544	94.635	ug/l	98
74) N-amyl acetate	12.148	43	184140	106.847	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	133746	101.659	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	93427m	81.266	ug/l	
77) Bromobenzene	12.611	156	161978	97.637	ug/l	97
78) n-propylbenzene	12.672	91	872112	94.192	ug/l	99
79) 2-Chlorotoluene	12.758	91	487507	95.405	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	599401	93.885	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	50438	104.034	ug/l	87
82) 4-Chlorotoluene	12.855	91	496100	94.467	ug/l	100
83) tert-Butylbenzene	13.075	119	528162	94.583	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	589940	95.592	ug/l	100
85) sec-Butylbenzene	13.257	105	771386	93.875	ug/l	100
86) p-Isopropyltoluene	13.373	119	642996	94.868	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	311983	96.657	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	304724	95.165	ug/l	98
89) n-Butylbenzene	13.696	91	607606	94.122	ug/l	99
90) Hexachloroethane	13.965	117	125888	97.282	ug/l	82
91) 1,2-Dichlorobenzene	13.745	146	273096	95.986	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	23320	104.130	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	170742	99.604	ug/l	98
94) Hexachlorobutadiene	15.117	225	93600	93.995	ug/l	99
95) Naphthalene	15.239	128	383809	103.176	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	148630	100.408	ug/l	97

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

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