

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031722\
 Data File : VY007869.D
 Acq On : 17 Mar 2022 10:44
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Quant Time: Mar 17 12:25:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 12:24:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	320889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	526396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	467566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	227387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	42390	12.618	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	25.240%#		
35) Dibromofluoromethane	7.716	113	42599	12.658	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	25.320%#		
50) Toluene-d8	10.179	98	165086	13.326	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	26.660%#		
62) 4-Bromofluorobenzene	12.483	95	61785	15.472	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	30.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	29118	12.152	ug/l	97
3) Chloromethane	2.113	50	38529	9.695	ug/l	98
4) Vinyl Chloride	2.253	62	42957	8.923	ug/l	98
5) Bromomethane	2.650	94	30656	7.879	ug/l	97
6) Chloroethane	2.796	64	28396	7.692	ug/l	89
7) Trichlorofluoromethane	3.125	101	63445	11.535	ug/l	97
8) Diethyl Ether	3.534	74	23463	13.257	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.900	101	40224	11.980	ug/l	95
10) Methyl Iodide	4.095	142	35979	8.808	ug/l #	88
11) Tert butyl alcohol	4.960	59	23423	80.532	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	37234	12.495	ug/l	84
13) Acrolein	3.735	56	18432	62.357	ug/l	96
14) Allyl chloride	4.485	41	62725	13.995	ug/l #	89
15) Acrylonitrile	5.162	53	62139	66.516	ug/l	96
16) Acetone	3.948	43	48181	70.502	ug/l #	88
17) Carbon Disulfide	4.192	76	93038	11.461	ug/l	98
18) Methyl Acetate	4.479	43	31941	13.569	ug/l #	91
19) Methyl tert-butyl Ether	5.222	73	116361	12.582	ug/l	100
20) Methylene Chloride	4.716	84	52426	13.789	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	41899	12.050	ug/l	90
22) Diisopropyl ether	6.119	45	134104	12.525	ug/l #	93
23) Vinyl Acetate	6.058	43	430616	63.596	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	74695	11.546	ug/l	97
25) 2-Butanone	6.984	43	80630	70.332	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	70471	12.240	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	50039	12.273	ug/l	88
28) Bromochloromethane	7.338	49	29090	10.573	ug/l #	84
29) Tetrahydrofuran	7.344	42	53714	68.476	ug/l #	85
30) Chloroform	7.503	83	79053	11.795	ug/l	99
31) Cyclohexane	7.783	56	74454	12.684	ug/l #	84
32) 1,1,1-Trichloroethane	7.704	97	70458	11.812	ug/l	97
36) 1,1-Dichloropropene	7.917	75	58190	10.991	ug/l	97
37) Ethyl Acetate	7.076	43	37079	12.681	ug/l #	92
38) Carbon Tetrachloride	7.899	117	62151	11.005	ug/l	95
39) Methylcyclohexane	9.185	83	76519	11.761	ug/l	92
40) Benzene	8.161	78	171122	11.614	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	21829m	15.622	ug/l	
42) 1,2-Dichloroethane	8.240	62	49049	10.669	ug/l	89
43) Isopropyl Acetate	8.271	43	68577	12.682	ug/l #	90
44) Trichloroethene	8.941	130	47035	11.494	ug/l	98
45) 1,2-Dichloropropane	9.216	63	44534	11.688	ug/l	98
46) Dibromomethane	9.307	93	25290	11.058	ug/l	95
47) Bromodichloromethane	9.496	83	61781	11.517	ug/l	98
48) Methyl methacrylate	9.295	41	30700	13.098	ug/l #	87
49) 1,4-Dioxane	9.301	88	7084	256.560	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	180802	62.488	ug/l	91
52) Toluene	10.246	92	108510	11.390	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	67116	12.186	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	73979	12.158	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	37954	12.198	ug/l	98
56) Ethyl methacrylate	10.508	69	53835	13.032	ug/l #	79
57) 1,3-Dichloropropane	10.789	76	62675	11.912	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	127080	56.409	ug/l	94
59) 2-Hexanone	10.831	43	127737	65.557	ug/l	88
60) Dibromochloromethane	10.984	129	44763	12.082	ug/l	100
61) 1,2-Dibromoethane	11.087	107	36479	12.300	ug/l	100
64) Tetrachloroethene	10.722	164	38969	11.244	ug/l	93
65) Chlorobenzene	11.514	112	120229	11.803	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	45157	11.854	ug/l	96
67) Ethyl Benzene	11.593	91	212888	11.589	ug/l	98
68) m/p-Xylenes	11.703	106	165990	23.549	ug/l	94
69) o-Xylene	12.026	106	80216	12.009	ug/l	95
70) Styrene	12.044	104	133530	11.939	ug/l	97
71) Bromoform	12.209	173	28583	12.051	ug/l #	99
73) Isopropylbenzene	12.331	105	212044	11.970	ug/l	100
74) N-amyl acetate	12.142	43	62225	13.196	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	45469	12.238	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	33976m	13.380	ug/l	
77) Bromobenzene	12.611	156	48860	11.975	ug/l	97
78) n-propylbenzene	12.672	91	255958	11.974	ug/l	98
79) 2-Chlorotoluene	12.758	91	144870	12.665	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	174608	12.327	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	16014	12.892	ug/l #	83
82) 4-Chlorotoluene	12.855	91	146542	12.455	ug/l	99
83) tert-Butylbenzene	13.075	119	154542	11.861	ug/l	97
84) 1,2,4-Trimethylbenzene	13.124	105	171547	12.295	ug/l	98
85) sec-Butylbenzene	13.252	105	236605	12.276	ug/l	100
86) p-Isopropyltoluene	13.367	119	191554	12.033	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	94185	11.600	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	95151	11.874	ug/l	97
89) n-Butylbenzene	13.697	91	181965	12.095	ug/l	98
90) Hexachloroethane	13.959	117	37286	12.357	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	84797	11.761	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8283	14.721	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	53011	11.614	ug/l	97
94) Hexachlorobutadiene	15.111	225	27632	10.239	ug/l	97
95) Naphthalene	15.239	128	117505	12.655	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	45757	11.248	ug/l	98

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

