

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031722\
 Data File : VY007870.D
 Acq On : 17 Mar 2022 11:06
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: Mar 17 12:25:58 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	345154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	562629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	501603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	244348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	84432	23.366	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	46.740%#		
35) Dibromofluoromethane	7.716	113	84290	23.433	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	46.860%#		
50) Toluene-d8	10.179	98	320883	24.234	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	48.460%#		
62) 4-Bromofluorobenzene	12.483	95	119761	28.059	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	56.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	57732	22.400	ug/l	96
3) Chloromethane	2.113	50	73429	17.178	ug/l	98
4) Vinyl Chloride	2.253	62	87074	16.816	ug/l	96
5) Bromomethane	2.638	94	56179	13.424	ug/l	97
6) Chloroethane	2.790	64	57986	14.602	ug/l	98
7) Trichlorofluoromethane	3.125	101	128104	21.653	ug/l	90
8) Diethyl Ether	3.528	74	46383	24.365	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.900	101	82272	22.781	ug/l	95
10) Methyl Iodide	4.089	142	84336	19.194	ug/l #	88
11) Tert butyl alcohol	4.954	59	45713	146.119	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	74226	23.158	ug/l	83
13) Acrolein	3.729	56	33011	103.828	ug/l	93
14) Allyl chloride	4.479	41	127880	26.526	ug/l #	91
15) Acrylonitrile	5.162	53	125960	125.353	ug/l	97
16) Acetone	3.948	43	99432	135.268	ug/l #	87
17) Carbon Disulfide	4.192	76	191682	21.953	ug/l	100
18) Methyl Acetate	4.479	43	61575	24.318	ug/l #	87
19) Methyl tert-butyl Ether	5.222	73	231907	23.313	ug/l	98
20) Methylene Chloride	4.716	84	98620	24.114	ug/l	85
21) trans-1,2-Dichloroethene	5.216	96	85007	22.730	ug/l	90
22) Diisopropyl ether	6.119	45	270981	23.529	ug/l #	96
23) Vinyl Acetate	6.058	43	858608	117.889	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	155421	22.335	ug/l	99
25) 2-Butanone	6.984	43	164931	133.752	ug/l #	89
26) 2,2-Dichloropropane	6.984	77	142336	22.985	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	101491	23.143	ug/l	88
28) Bromochloromethane	7.338	49	58752	19.853	ug/l	86
29) Tetrahydrofuran	7.350	42	105328	124.835	ug/l #	86
30) Chloroform	7.503	83	159111	22.070	ug/l	98
31) Cyclohexane	7.783	56	144549	22.894	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	144348	22.498	ug/l	96
36) 1,1-Dichloropropene	7.917	75	119598	21.136	ug/l	96
37) Ethyl Acetate	7.076	43	70119	22.436	ug/l #	89
38) Carbon Tetrachloride	7.899	117	126504	20.958	ug/l	100
39) Methylcyclohexane	9.185	83	155729	22.393	ug/l	91
40) Benzene	8.155	78	347398	22.060	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	43129m	28.878	ug/l	
42) 1,2-Dichloroethane	8.240	62	98809	20.108	ug/l	92
43) Isopropyl Acetate	8.271	43	139026	24.054	ug/l #	92
44) Trichloroethene	8.941	130	96063	21.964	ug/l	94
45) 1,2-Dichloropropane	9.216	63	90386	22.195	ug/l	95
46) Dibromomethane	9.307	93	51635	21.123	ug/l	95
47) Bromodichloromethane	9.496	83	125281	21.850	ug/l	95
48) Methyl methacrylate	9.289	41	59117	23.597	ug/l #	85
49) 1,4-Dioxane	9.301	88	15786	534.901	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	361390	116.858	ug/l	91
52) Toluene	10.246	92	223895	21.988	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	133031	22.599	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	149897	23.048	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	74981	22.546	ug/l	98
56) Ethyl methacrylate	10.508	69	107207	24.281	ug/l #	82
57) 1,3-Dichloropropane	10.789	76	125972	22.400	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	249064	103.436	ug/l	96
59) 2-Hexanone	10.831	43	257053	123.429	ug/l	88
60) Dibromochloromethane	10.984	129	89383	22.572	ug/l	100
61) 1,2-Dibromoethane	11.087	107	72213	22.781	ug/l	98
64) Tetrachloroethene	10.721	164	80202	21.571	ug/l	98
65) Chlorobenzene	11.514	112	241326	22.083	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	91798	22.463	ug/l	97
67) Ethyl Benzene	11.593	91	432464	21.944	ug/l	97
68) m/p-Xylenes	11.703	106	339471	44.893	ug/l	93
69) o-Xylene	12.026	106	164257	22.923	ug/l	93
70) Styrene	12.044	104	273704	22.812	ug/l	95
71) Bromoform	12.209	173	56540	22.220	ug/l #	100
73) Isopropylbenzene	12.331	105	435415	22.873	ug/l	99
74) N-amyl acetate	12.142	43	125688	24.804	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	91253	22.856	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	66861m	24.502	ug/l	
77) Bromobenzene	12.605	156	98941	22.565	ug/l	100
78) n-propylbenzene	12.672	91	528515	23.009	ug/l	99
79) 2-Chlorotoluene	12.758	91	293878	23.909	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	358468	23.550	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	32656	24.465	ug/l #	83
82) 4-Chlorotoluene	12.855	91	305264	24.144	ug/l	99
83) tert-Butylbenzene	13.075	119	323433	23.101	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	352365	23.502	ug/l	98
85) sec-Butylbenzene	13.252	105	483292	23.335	ug/l	100
86) p-Isopropyltoluene	13.367	119	391752	22.901	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	193539	22.182	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	195046	22.650	ug/l	97
89) n-Butylbenzene	13.697	91	377422	23.345	ug/l	98
90) Hexachloroethane	13.959	117	79139	24.407	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	175972	22.713	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14743	24.383	ug/l	74
93) 1,2,4-Trichlorobenzene	15.007	180	110744	22.578	ug/l	98
94) Hexachlorobutadiene	15.111	225	59947	20.672	ug/l	99
95) Naphthalene	15.233	128	243455	24.399	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	96790	22.141	ug/l	98

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

