

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031722\
 Data File : VY007872.D
 Acq On : 17 Mar 2022 11:51
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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

Quant Time: Mar 17 12:26:34 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	338828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	545664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	484384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	232125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	297532	83.878	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 167.760%#			
35) Dibromofluoromethane	7.716	113	318396	91.267	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 182.540%#			
50) Toluene-d8	10.179	98	1088597	84.770	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 169.540%#			
62) 4-Bromofluorobenzene	12.483	95	427784	103.343	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 206.680%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	212841	84.123	ug/l	98
3) Chloromethane	2.113	50	259442	61.827	ug/l	96
4) Vinyl Chloride	2.253	62	334250	65.757	ug/l	99
5) Bromomethane	2.637	94	212536	51.734	ug/l	100
6) Chloroethane	2.790	64	228733	58.677	ug/l	96
7) Trichlorofluoromethane	3.125	101	531453	91.508	ug/l	93
8) Diethyl Ether	3.527	74	199143	106.563	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.899	101	353812	99.800	ug/l	94
10) Methyl Iodide	4.088	142	402640	93.348	ug/l #	88
11) Tert butyl alcohol	4.954	59	199308	648.972	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	310122	98.564	ug/l	84
13) Acrolein	3.729	56	60881	195.061	ug/l	97
14) Allyl chloride	4.478	41	528958	111.769	ug/l #	91
15) Acrylonitrile	5.161	53	550166	557.735	ug/l	97
16) Acetone	3.948	43	482140	668.152	ug/l #	88
17) Carbon Disulfide	4.192	76	673849	78.614	ug/l	99
18) Methyl Acetate	4.478	43	232505	93.539	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	1025758	105.040	ug/l	97
20) Methylene Chloride	4.716	84	378328	94.236	ug/l	87
21) trans-1,2-Dichloroethene	5.222	96	340710	92.802	ug/l	89
22) Diisopropyl ether	6.118	45	1182687	104.609	ug/l #	93
23) Vinyl Acetate	6.057	43	3921497	548.486	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	662800	97.026	ug/l	98
25) 2-Butanone	6.984	43	737725	609.434	ug/l #	86
26) 2,2-Dichloropropane	6.984	77	627523	103.225	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	433213	100.630	ug/l	88
28) Bromochloromethane	7.332	49	273013	93.976	ug/l	84
29) Tetrahydrofuran	7.344	42	457052	551.814	ug/l #	87
30) Chloroform	7.508	83	694029	98.066	ug/l	100
31) Cyclohexane	7.783	56	541189	87.316	ug/l	94
32) 1,1,1-Trichloroethane	7.703	97	620580	98.528	ug/l	95
36) 1,1-Dichloropropene	7.917	75	489714	89.235	ug/l	96
37) Ethyl Acetate	7.069	43	311851	102.884	ug/l #	94
38) Carbon Tetrachloride	7.899	117	547821	93.580	ug/l	98
39) Methylcyclohexane	9.185	83	616809	91.453	ug/l	90
40) Benzene	8.161	78	1451042	95.007	ug/l	96

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41) Methacrylonitrile	7.313	41	196281m	135.509	ug/l	
42) 1,2-Dichloroethane	8.240	62	431844	90.615	ug/l	91
43) Isopropyl Acetate	8.270	43	606946	108.277	ug/l #	92
44) Trichloroethene	8.935	130	408244	96.244	ug/l	96
45) 1,2-Dichloropropane	9.215	63	386450	97.845	ug/l	97
46) Dibromomethane	9.307	93	222809	93.980	ug/l	96
47) Bromodichloromethane	9.496	83	554470	99.713	ug/l	99
48) Methyl methacrylate	9.289	41	263294	108.364	ug/l #	86
49) 1,4-Dioxane	9.295	88	67567	2360.657	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	1583155	527.843	ug/l	91
52) Toluene	10.246	92	935805	94.762	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	580613	101.699	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	645217	102.291	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	330687	102.527	ug/l	97
56) Ethyl methacrylate	10.508	69	474127	110.723	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	548111	100.495	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	1186623	508.127	ug/l	95
59) 2-Hexanone	10.831	43	1132916	560.906	ug/l	89
60) Dibromochloromethane	10.983	129	404001	105.194	ug/l	99
61) 1,2-Dibromoethane	11.087	107	312375	101.610	ug/l	99
64) Tetrachloroethene	10.721	164	327194	91.128	ug/l	98
65) Chlorobenzene	11.514	112	1032686	97.857	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	402808	102.071	ug/l	97
67) Ethyl Benzene	11.593	91	1830116	96.164	ug/l	96
68) m/p-Xylenes	11.703	106	1412859	193.486	ug/l	94
69) o-Xylene	12.026	106	697694	100.827	ug/l	92
70) Styrene	12.044	104	1190024	102.709	ug/l	96
71) Bromoform	12.209	173	260882	106.170	ug/l #	99
73) Isopropylbenzene	12.331	105	1851625	102.391	ug/l	99
74) N-amyl acetate	12.142	43	555501	115.397	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	403369	106.351	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	289845m	111.811	ug/l	
77) Bromobenzene	12.611	156	426808	102.466	ug/l	99
78) n-propylbenzene	12.672	91	2213975	101.459	ug/l	97
79) 2-Chlorotoluene	12.757	91	1253851	107.379	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	1512969	104.632	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	145560	114.794	ug/l #	84
82) 4-Chlorotoluene	12.855	91	1302086	108.410	ug/l	99
83) tert-Butylbenzene	13.074	119	1381762	103.887	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	1475180	103.572	ug/l	98
85) sec-Butylbenzene	13.251	105	2025412	102.942	ug/l	99
86) p-Isopropyltoluene	13.367	119	1645290	101.246	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	819060	98.816	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	824486	100.785	ug/l	99
89) n-Butylbenzene	13.696	91	1590005	103.525	ug/l	98
90) Hexachloroethane	13.958	117	340468	110.530	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	754826	102.558	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	67036	116.708	ug/l	77
93) 1,2,4-Trichlorobenzene	15.007	180	496521	106.561	ug/l	99
94) Hexachlorobutadiene	15.111	225	265197	96.265	ug/l	98
95) Naphthalene	15.233	128	1128061	119.006	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	443967	106.909	ug/l	98

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

