

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022122\
 Data File : VY007568.D
 Acq On : 21 Feb 2022 15:04
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 21 15:19:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 14:28:05 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/22/2022
 Supervised By : Mahesh Dadoda 02/22/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	99726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	152348	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	135706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	67476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	98423	92.204	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 184.400%#			
35) Dibromofluoromethane	7.716	113	96058	98.761	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 197.520%#			
50) Toluene-d8	10.179	98	337259	100.570	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 201.140%#			
62) 4-Bromofluorobenzene	12.483	95	112213	91.165	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 182.340%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	124643	94.699	ug/l	99
3) Chloromethane	2.113	50	97757	90.047	ug/l	96
4) Vinyl Chloride	2.253	62	102378	89.827	ug/l	99
5) Bromomethane	2.650	94	71808	86.170	ug/l	98
6) Chloroethane	2.796	64	65118	92.084	ug/l	96
7) Trichlorofluoromethane	3.125	101	244880	97.155	ug/l	96
8) Diethyl Ether	3.528	74	56666	89.268	ug/l	62
9) 1,1,2-Trichlorotrifluo...	3.900	101	117885	95.593	ug/l	95
10) Methyl Iodide	4.088	142	141250	94.467	ug/l	100
11) Tert butyl alcohol	4.948	59	43489	452.237	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	103955	94.326	ug/l #	80
13) Acrolein	3.729	56	24124	345.503	ug/l	99
14) Allyl chloride	4.479	41	104430	88.093	ug/l #	70
15) Acrylonitrile	5.168	53	103391	429.874	ug/l	97
16) Acetone	3.948	43	130604	511.923	ug/l	94
17) Carbon Disulfide	4.198	76	258443	89.007	ug/l	97
18) Methyl Acetate	4.473	43	44691	80.371	ug/l #	76
19) Methyl tert-butyl Ether	5.222	73	267544	87.474	ug/l #	87
20) Methylene Chloride	4.723	84	101255	80.644	ug/l #	78
21) trans-1,2-Dichloroethene	5.222	96	99864	87.465	ug/l #	76
22) Diisopropyl ether	6.119	45	183840	77.023	ug/l #	81
23) Vinyl Acetate	6.058	43	670532	416.032	ug/l #	82
24) 1,1-Dichloroethane	6.015	63	156267	86.829	ug/l	96
25) 2-Butanone	6.984	43	129772	445.586	ug/l #	75
26) 2,2-Dichloropropane	6.984	77	181214	91.142	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	112568	87.008	ug/l	82
28) Bromochloromethane	7.338	49	51290	84.976	ug/l #	49
29) Tetrahydrofuran	7.344	42	67703	402.866	ug/l #	64
30) Chloroform	7.509	83	187149	84.806	ug/l	95
31) Cyclohexane	7.783	56	121215	78.141	ug/l #	75
32) 1,1,1-Trichloroethane	7.704	97	196752	90.154	ug/l	94
36) 1,1-Dichloropropene	7.917	75	131312	88.399	ug/l	94
37) Ethyl Acetate	7.070	43	52372	87.100	ug/l #	91
38) Carbon Tetrachloride	7.905	117	190447	95.090	ug/l	97
39) Methylcyclohexane	9.185	83	168823	89.789	ug/l #	80
40) Benzene	8.161	78	354486	89.244	ug/l	97

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41) Methacrylonitrile	7.320	41	27538m	86.991	ug/l	
42) 1,2-Dichloroethane	8.234	62	123838	89.542	ug/l	95
43) Isopropyl Acetate	8.271	43	109841	87.844	ug/l #	86
44) Trichloroethene	8.941	130	116675	90.504	ug/l	93
45) 1,2-Dichloropropane	9.216	63	78397	85.400	ug/l	96
46) Dibromomethane	9.307	93	61141	90.770	ug/l	97
47) Bromodichloromethane	9.496	83	147149	91.702	ug/l	99
48) Methyl methacrylate	9.295	41	48302	90.336	ug/l #	65
49) 1,4-Dioxane	9.295	88	13648	1781.742	ug/l #	75
51) 4-Methyl-2-Pentanone	10.069	43	273350	444.969	ug/l #	88
52) Toluene	10.246	92	244646	89.772	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	147715	90.430	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	154438	87.777	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	76891	85.857	ug/l	97
56) Ethyl methacrylate	10.508	69	97745	88.727	ug/l #	82
57) 1,3-Dichloropropane	10.789	76	124983	86.871	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	238597	444.727	ug/l #	80
59) 2-Hexanone	10.831	43	207092	467.679	ug/l	87
60) Dibromochloromethane	10.984	129	113169	92.105	ug/l	100
61) 1,2-Dibromoethane	11.087	107	79907	88.742	ug/l	98
64) Tetrachloroethene	10.721	164	104311	92.296	ug/l	98
65) Chlorobenzene	11.514	112	275667	94.162	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	112548	94.886	ug/l	99
67) Ethyl Benzene	11.593	91	499114	95.041	ug/l	97
68) m/p-Xylenes	11.703	106	382657	191.546	ug/l	100
69) o-Xylene	12.026	106	181554	95.483	ug/l	98
70) Styrene	12.044	104	298749	94.529	ug/l	100
71) Bromoform	12.209	173	69427	95.339	ug/l #	99
73) Isopropylbenzene	12.331	105	501146	90.360	ug/l	98
74) N-amyl acetate	12.142	43	98893	92.636	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	82769	86.959	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	66358m	80.088	ug/l	
77) Bromobenzene	12.611	156	114981	88.670	ug/l	86
78) n-propylbenzene	12.672	91	589849	91.343	ug/l	98
79) 2-Chlorotoluene	12.758	91	323848	89.568	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	426371	91.713	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	30160	91.087	ug/l	89
82) 4-Chlorotoluene	12.855	91	337076	90.560	ug/l	99
83) tert-Butylbenzene	13.075	119	379640	91.686	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	418623	91.348	ug/l	99
85) sec-Butylbenzene	13.252	105	550026	92.000	ug/l	100
86) p-Isopropyltoluene	13.367	119	469815	93.309	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	225226	91.608	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	221732	90.382	ug/l	98
89) n-Butylbenzene	13.697	91	429848	93.570	ug/l	99
90) Hexachloroethane	13.965	117	93814	94.048	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	197250	89.552	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17079	96.781	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	135637	94.074	ug/l	97
94) Hexachlorobutadiene	15.111	225	81803	93.552	ug/l	97
95) Naphthalene	15.233	128	277776	92.687	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	117067	91.759	ug/l	98

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

