

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032521\
 Data File : VN066334.D
 Acq On : 25 Mar 2021 16:34
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

SAM
 3/29/2021 5:12:22 PM

Quant Time: Mar 26 05:34:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 26 05:30:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.584	168	490834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	750197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	683452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	352817	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	636105	73.05	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 146.10%#			
35) Dibromofluoromethane	7.507	113	498525	97.53	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 195.06%#			
50) Toluene-d8	10.028	98	1919817	95.73	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 191.46%#			
62) 4-Bromofluorobenzene	12.345	95	671410	90.68	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 181.36%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.816	85	601652	98.05	ug/l	100
3) Chloromethane	2.014	50	638439	61.24	ug/l	100
4) Vinyl Chloride	2.145	62	675391	79.73	ug/l	99
5) Bromomethane	2.502	94	473190	99.45	ug/l	100
6) Chloroethane	2.647	64	415689	87.96	ug/l	99
7) Trichlorofluoromethane	2.961	101	950286	100.48	ug/l	99
8) Diethyl Ether	3.344	74	370565	96.26	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.677	101	535623	114.94	ug/l	99
10) Methyl Iodide	3.867	142	774799	134.34	ug/l	100
11) Tert butyl alcohol	4.725	59	473846	319.99	ug/l	99
12) 1,1-Dichloroethene	3.658	96	538852	106.21	ug/l	99
13) Acrolein	3.532	56	238040	245.29	ug/l	100
14) Allyl chloride	4.227	41	1077665	73.67	ug/l	98
15) Acrylonitrile	4.881	53	1328653	312.70	ug/l	100
16) Acetone	3.739	43	1694863	374.60	ug/l	99
17) Carbon Disulfide	3.964	76	1588230	100.77	ug/l	100
18) Methyl Acetate	4.237	43	863673	77.48	ug/l	99
19) Methyl tert-butyl Ether	4.943	73	1597055	74.70	ug/l	99
20) Methylene Chloride	4.452	84	603793	88.28	ug/l	98
21) trans-1,2-Dichloroethene	4.929	96	484168	84.77	ug/l	99
22) Diisopropyl ether	5.860	45	1700543	60.01	ug/l	99
23) Vinyl Acetate	5.798	43	7393681	304.11	ug/l	99
24) 1,1-Dichloroethane	5.742	63	917726	69.44	ug/l	99
25) 2-Butanone	6.748	43	1901378	284.62	ug/l	100
26) 2,2-Dichloropropane	6.726	77	823362	74.63	ug/l	100
27) cis-1,2-Dichloroethene	6.732	96	571662	82.35	ug/l	100
28) Bromochloromethane	7.104	49	469180	62.17	ug/l	99
29) Tetrahydrofuran	7.129	42	1254244	272.25	ug/l	99
30) Chloroform	7.287	83	931845	77.48	ug/l	99
31) Cyclohexane	7.568	56	846292	67.53	ug/l	97
32) 1,1,1-Trichloroethane	7.485	97	821606	80.84	ug/l	100
36) 1,1-Dichloropropene	7.710	75	697997	84.50	ug/l	99
37) Ethyl Acetate	6.842	43	770103	63.42	ug/l	100
38) Carbon Tetrachloride	7.692	117	701412	95.57	ug/l	99
39) Methylcyclohexane	9.011	83	872458	97.30	ug/l	100
40) Benzene	7.963	78	2120158	87.63	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.083	41	374746	64.64	ug/l	96
42) 1,2-Dichloroethane	8.048	62	752841	77.97	ug/l	100
43) Isopropyl Acetate	8.094	43	1337836	67.78	ug/l	100
44) Trichloroethene	8.765	130	550315	94.24	ug/l	100
45) 1,2-Dichloropropane	9.049	63	554197	77.19	ug/l	98
46) Dibromomethane	9.140	93	372350	92.76	ug/l	99
47) Bromodichloromethane	9.338	83	758650	86.28	ug/l	98
48) Methyl methacrylate	9.135	41	636791	65.95	ug/l	100
49) 1,4-Dioxane	9.143	88	151457	1634.18	ug/l	98
51) 4-Methyl-2-Pentanone	9.923	43	3888738	325.00	ug/l	99
52) Toluene	10.092	92	1340977	92.94	ug/l	100
53) t-1,3-Dichloropropene	10.323	75	859132	83.69	ug/l	100
54) cis-1,3-Dichloropropene	9.776	75	901510	81.68	ug/l	99
55) 1,1,2-Trichloroethane	10.502	97	526616	93.22	ug/l	99
56) Ethyl methacrylate	10.371	69	834665	86.29	ug/l	100
57) 1,3-Dichloropropane	10.647	76	877462	82.40	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.633	63	447642	149.12	ug/l	99
59) 2-Hexanone	10.693	43	2901721	339.26	ug/l	100
60) Dibromochloromethane	10.843	129	607555	101.15	ug/l	100
61) 1,2-Dibromoethane	10.948	107	552113	95.24	ug/l	100
64) Tetrachloroethene	10.572	164	551806	97.86	ug/l	99
65) Chlorobenzene	11.374	112	1365412	95.83	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.452	131	529932	99.87	ug/l	99
67) Ethyl Benzene	11.455	91	2517039	94.70	ug/l	98
68) m/p-Xylenes	11.565	106	1913293	198.00	ug/l	98
69) o-Xylene	11.892	106	911191	98.17	ug/l	100
70) Styrene	11.908	104	1536119	100.90	ug/l	100
71) Bromoform	12.069	173	458008	111.96	ug/l #	100
73) Isopropylbenzene	12.192	105	2428062	88.97	ug/l	99
74) N-amyl acetate	12.015	43	1044734	79.30	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.450	83	750049	78.02	ug/l	96
76) 1,2,3-Trichloropropane	12.498	75	695620m	68.55	ug/l	
77) Bromobenzene	12.468	156	599509	93.92	ug/l	98
78) n-propylbenzene	12.535	91	2762640	85.96	ug/l	100
79) 2-Chlorotoluene	12.618	91	1609584	82.98	ug/l	99
80) 1,3,5-Trimethylbenzene	12.678	105	2027567	88.30	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.243	75	266547	82.47	ug/l	98
82) 4-Chlorotoluene	12.715	91	1689728	85.42	ug/l	100
83) tert-Butylbenzene	12.938	119	1716021	87.93	ug/l	99
84) 1,2,4-Trimethylbenzene	12.983	105	2021233	89.77	ug/l	100
85) sec-Butylbenzene	13.115	105	2322554	90.32	ug/l	100
86) p-Isopropyltoluene	13.233	119	2119680	92.72	ug/l	98
87) 1,3-Dichlorobenzene	13.225	146	1080317	93.44	ug/l	99
88) 1,4-Dichlorobenzene	13.308	146	1087560	92.69	ug/l	99
89) n-Butylbenzene	13.557	91	1873465	90.73	ug/l	100
90) Hexachloroethane	13.815	117	370823	102.49	ug/l	99
91) 1,2-Dichlorobenzene	13.595	146	1061869	92.82	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.212	75	161237	67.36	ug/l	99
93) 1,2,4-Trichlorobenzene	14.850	180	696665	107.43	ug/l	99
94) Hexachlorobutadiene	14.949	225	357262	106.36	ug/l	100
95) Naphthalene	15.070	128	1962014	93.14	ug/l	100
96) 1,2,3-Trichlorobenzene	15.247	180	671357	97.44	ug/l	99

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

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