

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033123\
 Data File : VN077248.D
 Acq On : 31 Mar 2023 11:57
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/03/2023
 Supervised By : Mahesh Dadoda 04/03/2023

Quant Time: Mar 31 23:23:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 31 22:50:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	597647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	918901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	837825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	415698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	281262	45.713	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.420%		
35) Dibromofluoromethane	8.172	113	250472	46.340	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.680%		
50) Toluene-d8	10.566	98	966226	47.121	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.240%		
62) 4-Bromofluorobenzene	12.854	95	336261	49.536	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	151045	49.455	ug/l	100
3) Chloromethane	2.372	50	175368	44.495	ug/l	100
4) Vinyl Chloride	2.525	62	208128	48.452	ug/l	100
5) Bromomethane	2.948	94	148858	48.201	ug/l	100
6) Chloroethane	3.125	64	166028	46.225	ug/l	100
7) Trichlorofluoromethane	3.507	101	475310	48.844	ug/l	100
8) Diethyl Ether	3.966	74	194573	51.920	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.378	101	288014	49.572	ug/l	100
10) Methyl Iodide	4.595	142	378207	53.087	ug/l	100
11) Tert butyl alcohol	5.531	59	260523	260.967	ug/l	100
12) 1,1-Dichloroethene	4.348	96	271060	50.454	ug/l	100
13) Acrolein	4.184	56	258958	244.459	ug/l	100
14) Allyl chloride	5.031	41	492388	52.877	ug/l	100
15) Acrylonitrile	5.725	53	844485	257.268	ug/l	100
16) Acetone	4.431	43	743791	243.132	ug/l	100
17) Carbon Disulfide	4.725	76	695426	48.621	ug/l	100
18) Methyl Acetate	5.031	43	555530	48.284	ug/l	100
19) Methyl tert-butyl Ether	5.801	73	945943	52.616	ug/l	100
20) Methylene Chloride	5.284	84	326410	47.664	ug/l	100
21) trans-1,2-Dichloroethene	5.795	96	293865	50.023	ug/l	100
22) Diisopropyl ether	6.678	45	1041055	52.863	ug/l	100
23) Vinyl Acetate	6.607	43	3222844	272.722	ug/l	100
24) 1,1-Dichloroethane	6.578	63	583640	50.452	ug/l	100
25) 2-Butanone	7.489	43	1122364	258.093	ug/l	100
26) 2,2-Dichloropropane	7.495	77	444499	51.937	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	355304	50.572	ug/l	100
28) Bromochloromethane	7.813	49	251457	49.812	ug/l	100
29) Tetrahydrofuran	7.842	42	729335	266.745	ug/l	100
30) Chloroform	7.972	83	566861	49.745	ug/l	100
31) Cyclohexane	8.260	56	528238	48.675	ug/l	100
32) 1,1,1-Trichloroethane	8.172	97	485216	50.476	ug/l	100
36) 1,1-Dichloropropene	8.378	75	431687	51.857	ug/l	100
37) Ethyl Acetate	7.566	43	442657	53.002	ug/l	100
38) Carbon Tetrachloride	8.366	117	430078	50.384	ug/l	100
39) Methylcyclohexane	9.601	83	545666	53.447	ug/l	100
40) Benzene	8.607	78	1314377	50.291	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	239916	51.310	ug/l	100
42) 1,2-Dichloroethane	8.672	62	423834	49.560	ug/l	100
43) Isopropyl Acetate	8.689	43	696080	53.130	ug/l	100
44) Trichloroethene	9.354	130	332528	49.174	ug/l	100
45) 1,2-Dichloropropane	9.624	63	350170	50.366	ug/l	100
46) Dibromomethane	9.713	93	218696	49.478	ug/l	100
47) Bromodichloromethane	9.889	83	448772	51.566	ug/l	100
48) Methyl methacrylate	9.683	41	342727	54.233	ug/l	100
49) 1,4-Dioxane	9.695	88	127121	1057.407	ug/l	100
51) 4-Methyl-2-Pentanone	10.448	43	2227525	268.517	ug/l	100
52) Toluene	10.630	92	825436	52.214	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	475305	55.371	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	535948	53.743	ug/l	100
55) 1,1,2-Trichloroethane	11.019	97	330404	50.526	ug/l	100
56) Ethyl methacrylate	10.877	69	514297	56.814	ug/l	100
57) 1,3-Dichloropropane	11.166	76	568867	51.211	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	886719	283.370	ug/l	100
59) 2-Hexanone	11.195	43	1624943	269.912	ug/l	100
60) Dibromochloromethane	11.360	129	357657	52.642	ug/l	100
61) 1,2-Dibromoethane	11.471	107	331869	52.273	ug/l	100
64) Tetrachloroethene	11.107	164	296389	48.313	ug/l	100
65) Chlorobenzene	11.895	112	888254	50.216	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.966	131	342676	50.551	ug/l	100
67) Ethyl Benzene	11.966	91	1596686	53.541	ug/l	100
68) m/p-Xylenes	12.071	106	1238944	106.815	ug/l	100
69) o-Xylene	12.401	106	609549	54.498	ug/l	100
70) Styrene	12.413	104	998981	56.100	ug/l	100
71) Bromoform	12.577	173	279428	52.515	ug/l #	100
73) Isopropylbenzene	12.695	105	1570015	50.648	ug/l	100
74) N-amyl acetate	12.495	43	597820	52.311	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.942	83	489446	45.401	ug/l	100
76) 1,2,3-Trichloropropane	12.995	75	421859m	48.175	ug/l	100
77) Bromobenzene	12.983	156	396858	47.810	ug/l	100
78) n-propylbenzene	13.036	91	1822501	53.313	ug/l	100
79) 2-Chlorotoluene	13.124	91	1091866	49.656	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	1311190	52.622	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	166605	57.620	ug/l	90
82) 4-Chlorotoluene	13.224	91	1043579	50.508	ug/l	100
83) tert-Butylbenzene	13.442	119	1180040	51.980	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	1320168	54.252	ug/l	100
85) sec-Butylbenzene	13.618	105	1647929	53.763	ug/l	100
86) p-Isopropyltoluene	13.730	119	1405150	56.207	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	726347	49.872	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	705718	49.112	ug/l	100
89) n-Butylbenzene	14.060	91	1131669	56.518	ug/l	100
90) Hexachloroethane	14.336	117	251307	48.322	ug/l	100
91) 1,2-Dichlorobenzene	14.107	146	718303	50.214	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.724	75	89614	49.758	ug/l	100
93) 1,2,4-Trichlorobenzene	15.371	180	375970	67.546	ug/l	100
94) Hexachlorobutadiene	15.465	225	237747	49.928	ug/l	100
95) Naphthalene	15.589	128	1100774	74.387	ug/l	100
96) 1,2,3-Trichlorobenzene	15.754	180	363193	66.444	ug/l	100

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

