

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032023\
 Data File : VN077080.D
 Acq On : 20 Mar 2023 19:55
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2023
 Supervised By : Mahesh Dadoda 03/21/2023

Quant Time: Mar 21 05:43:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	379294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	675726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	605444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	274055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	298425	49.257	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.520%		
35) Dibromofluoromethane	8.178	113	228478	48.282	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.560%		
50) Toluene-d8	10.572	98	864226	51.125	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.260%		
62) 4-Bromofluorobenzene	12.854	95	322745	54.032	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	144617	40.126	ug/l	98
3) Chloromethane	2.372	50	151485	39.639	ug/l	99
4) Vinyl Chloride	2.525	62	198258	48.063	ug/l	97
5) Bromomethane	2.955	94	135715	48.708	ug/l	98
6) Chloroethane	3.125	64	155992	59.764	ug/l	99
7) Trichlorofluoromethane	3.508	101	417460	47.043	ug/l	98
8) Diethyl Ether	3.972	74	162976	48.800	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.384	101	233235	46.334	ug/l	99
10) Methyl Iodide	4.602	142	286736	50.574	ug/l	94
11) Tert butyl alcohol	5.531	59	228247	258.538	ug/l	98
12) 1,1-Dichloroethene	4.355	96	222483	48.314	ug/l	96
13) Acrolein	4.196	56	262621	240.507	ug/l	99
14) Allyl chloride	5.037	41	399128	47.345	ug/l	98
15) Acrylonitrile	5.731	53	737413	248.461	ug/l	100
16) Acetone	4.437	43	579650	214.721	ug/l	98
17) Carbon Disulfide	4.725	76	595456	44.346	ug/l	100
18) Methyl Acetate	5.037	43	490995	48.232	ug/l	97
19) Methyl tert-butyl Ether	5.808	73	835150	50.533	ug/l	97
20) Methylene Chloride	5.290	84	272246	46.468	ug/l	99
21) trans-1,2-Dichloroethene	5.796	96	243202	48.726	ug/l	98
22) Diisopropyl ether	6.684	45	914658	49.520	ug/l	99
23) Vinyl Acetate	6.613	43	2930046	251.385	ug/l	100
24) 1,1-Dichloroethane	6.578	63	501170	47.417	ug/l	99
25) 2-Butanone	7.490	43	953271	241.392	ug/l	100
26) 2,2-Dichloropropane	7.496	77	378564	47.602	ug/l	100
27) cis-1,2-Dichloroethene	7.496	96	288238	50.423	ug/l	98
28) Bromochloromethane	7.819	49	203045	44.236	ug/l	98
29) Tetrahydrofuran	7.843	42	643687	251.537	ug/l	99
30) Chloroform	7.972	83	492338	47.993	ug/l	98
31) Cyclohexane	8.260	56	445675	44.960	ug/l	96
32) 1,1,1-Trichloroethane	8.178	97	428241	48.842	ug/l	99
36) 1,1-Dichloropropene	8.378	75	363184	49.137	ug/l	98
37) Ethyl Acetate	7.566	43	384737	48.650	ug/l	98
38) Carbon Tetrachloride	8.366	117	364089	50.572	ug/l	98
39) Methylcyclohexane	9.607	83	445808	51.530	ug/l	99
40) Benzene	8.613	78	1101696	49.148	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.790	41	207313m	48.662	ug/l	
42) 1,2-Dichloroethane	8.678	62	388607	47.975	ug/l	99
43) Isopropyl Acetate	8.696	43	631221	51.095	ug/l	99
44) Trichloroethene	9.360	130	253476	49.229	ug/l	99
45) 1,2-Dichloropropane	9.625	63	293719	49.335	ug/l	99
46) Dibromomethane	9.713	93	183014	48.742	ug/l	98
47) Bromodichloromethane	9.890	83	394986	50.157	ug/l	98
48) Methyl methacrylate	9.684	41	312488	52.910	ug/l	98
49) 1,4-Dioxane	9.701	88	103111	1022.190	ug/l	98
51) 4-Methyl-2-Pentanone	10.448	43	1978259	257.150	ug/l	99
52) Toluene	10.637	92	686419	51.286	ug/l	100
53) t-1,3-Dichloropropene	10.843	75	421665	54.632	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	457242	52.506	ug/l	99
55) 1,1,2-Trichloroethane	11.019	97	268046	50.788	ug/l	98
56) Ethyl methacrylate	10.878	69	441548	55.637	ug/l	98
57) 1,3-Dichloropropane	11.166	76	475127	49.171	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.166	63	825246	243.908	ug/l	99
59) 2-Hexanone	11.195	43	1431444	256.539	ug/l	100
60) Dibromochloromethane	11.360	129	278667	52.564	ug/l	100
61) 1,2-Dibromoethane	11.472	107	265900	50.805	ug/l	99
64) Tetrachloroethene	11.107	164	201312	49.543	ug/l	99
65) Chlorobenzene	11.895	112	690087	49.538	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.966	131	261442	50.720	ug/l	99
67) Ethyl Benzene	11.966	91	1325147	52.371	ug/l	99
68) m/p-Xylenes	12.072	106	989607	105.456	ug/l	100
69) o-Xylene	12.401	106	491093	52.668	ug/l	99
70) Styrene	12.413	104	807295	55.611	ug/l	99
71) Bromoform	12.584	173	190192	54.452	ug/l #	98
73) Isopropylbenzene	12.701	105	1285193	52.329	ug/l	100
74) N-amyl acetate	12.495	43	551800	51.908	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.942	83	408795	45.943	ug/l	100
76) 1,2,3-Trichloropropane	12.995	75	373601m	52.703	ug/l	
77) Bromobenzene	12.984	156	275802	50.130	ug/l	95
78) n-propylbenzene	13.037	91	1528635	53.917	ug/l	100
79) 2-Chlorotoluene	13.131	91	927460	51.338	ug/l	99
80) 1,3,5-Trimethylbenzene	13.178	105	1106339	53.954	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.742	75	126962	49.299	ug/l	99
82) 4-Chlorotoluene	13.225	91	900354	52.410	ug/l	100
83) tert-Butylbenzene	13.442	119	926875	53.837	ug/l	99
84) 1,2,4-Trimethylbenzene	13.484	105	1098805	53.698	ug/l	99
85) sec-Butylbenzene	13.619	105	1338058	54.636	ug/l	99
86) p-Isopropyltoluene	13.731	119	1098756	55.868	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	514548	49.484	ug/l	100
88) 1,4-Dichlorobenzene	13.813	146	506928	49.000	ug/l	99
89) n-Butylbenzene	14.060	91	958521	55.555	ug/l	100
90) Hexachloroethane	14.336	117	199033	49.776	ug/l	99
91) 1,2-Dichlorobenzene	14.107	146	513774	49.569	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.719	75	82873	50.264	ug/l	98
93) 1,2,4-Trichlorobenzene	15.395	180	260018	55.494	ug/l	99
94) Hexachlorobutadiene	15.507	225	131209	50.848	ug/l	99
95) Naphthalene	15.642	128	916866	50.341	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	257417	54.753	ug/l	99

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

