

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041223\
 Data File : VN077306.D
 Acq On : 12 Apr 2023 10:19
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 13 01:09:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/13/2023
 Supervised By : Semsettin Yesilyurt 04/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.225	168	535808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1029190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	960819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	418971	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	344823	47.087	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.180%
35) Dibromofluoromethane	8.172	113	306919	46.584	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.160%
50) Toluene-d8	10.572	98	1251501	47.185	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.360%
62) 4-Bromofluorobenzene	12.854	95	440318	49.915	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.840%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	282998	41.381	ug/l	95
3) Chloromethane	2.372	50	318502	37.582	ug/l	99
4) Vinyl Chloride	2.525	62	476242	41.447	ug/l	98
5) Bromomethane	2.943	94	340117	40.829	ug/l	98
6) Chloroethane	3.125	64	331354	40.407	ug/l	95
7) Trichlorofluoromethane	3.502	101	464182	46.589	ug/l	100
8) Diethyl Ether	3.972	74	185516	44.434	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.384	101	281715	46.202	ug/l	99
10) Methyl Iodide	4.601	142	356270	48.043	ug/l	97
11) Tert butyl alcohol	5.525	59	265142	177.438	ug/l	98
12) 1,1-Dichloroethene	4.348	96	279142	44.473	ug/l	98
13) Acrolein	4.184	56	316465	223.614	ug/l	98
14) Allyl chloride	5.037	41	373312	39.380	ug/l	94
15) Acrylonitrile	5.725	53	684713	207.269	ug/l	98
16) Acetone	4.437	43	572417	212.002	ug/l	99
17) Carbon Disulfide	4.725	76	731858	43.240	ug/l	99
18) Methyl Acetate	5.031	43	404888	39.373	ug/l	94
19) Methyl tert-butyl Ether	5.801	73	1019690	45.785	ug/l	97
20) Methylene Chloride	5.284	84	328783	43.117	ug/l	97
21) trans-1,2-Dichloroethene	5.790	96	314791	45.806	ug/l	96
22) Diisopropyl ether	6.678	45	876297	46.108	ug/l	97
23) Vinyl Acetate	6.613	43	2836803	220.755	ug/l	99
24) 1,1-Dichloroethane	6.578	63	562793	45.857	ug/l	98
25) 2-Butanone	7.489	43	868162	198.116	ug/l	96
26) 2,2-Dichloropropane	7.495	77	550618	48.928	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	393347	46.870	ug/l	98
28) Bromochloromethane	7.819	49	232206	47.036	ug/l	99
29) Tetrahydrofuran	7.842	42	542678	192.649	ug/l	96
30) Chloroform	7.966	83	624187	47.693	ug/l	98
31) Cyclohexane	8.260	56	488007	42.886	ug/l	93
32) 1,1,1-Trichloroethane	8.172	97	561024	47.135	ug/l	97
36) 1,1-Dichloropropene	8.378	75	465535	47.774	ug/l	99
37) Ethyl Acetate	7.566	43	360365	41.333	ug/l	100
38) Carbon Tetrachloride	8.366	117	481381	48.218	ug/l	97
39) Methylcyclohexane	9.607	83	631646	48.071	ug/l	95
40) Benzene	8.607	78	1417470	46.636	ug/l	98

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41) Methacrylonitrile	7.784	41	195113m	41.634	ug/l	
42) 1,2-Dichloroethane	8.678	62	445236	47.596	ug/l	99
43) Isopropyl Acetate	8.689	43	647834	40.269	ug/l	97
44) Trichloroethene	9.354	130	345688	47.533	ug/l	95
45) 1,2-Dichloropropane	9.625	63	345338	47.840	ug/l	95
46) Dibromomethane	9.707	93	253548	46.619	ug/l	99
47) Bromodichloromethane	9.889	83	511875	47.088	ug/l	98
48) Methyl methacrylate	9.683	41	284413	41.442	ug/l	96
49) 1,4-Dioxane	9.695	88	127298	765.073	ug/l	99
51) 4-Methyl-2-Pentanone	10.448	43	1920436	206.519	ug/l	99
52) Toluene	10.630	92	958878	48.198	ug/l	100
53) t-1,3-Dichloropropene	10.842	75	579024	49.052	ug/l	97
54) cis-1,3-Dichloropropene	10.313	75	608608	48.403	ug/l	99
55) 1,1,2-Trichloroethane	11.019	97	366354	46.912	ug/l	98
56) Ethyl methacrylate	10.877	69	561484	46.160	ug/l	98
57) 1,3-Dichloropropane	11.166	76	616384	47.774	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	815850	225.315	ug/l	99
59) 2-Hexanone	11.195	43	1417789	204.652	ug/l	99
60) Dibromochloromethane	11.360	129	400722	49.822	ug/l	98
61) 1,2-Dibromoethane	11.472	107	377148	48.385	ug/l	100
64) Tetrachloroethene	11.107	164	271720	45.779	ug/l	94
65) Chlorobenzene	11.895	112	1010112	47.751	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.966	131	364075	45.487	ug/l	98
67) Ethyl Benzene	11.966	91	1875233	48.040	ug/l	97
68) m/p-Xylenes	12.072	106	1449944	94.535	ug/l	99
69) o-Xylene	12.401	106	717406	47.413	ug/l	97
70) Styrene	12.413	104	1192955	48.993	ug/l	99
71) Bromoform	12.583	173	260911	46.308	ug/l #	99
73) Isopropylbenzene	12.701	105	1884497	46.308	ug/l	100
74) N-amyl acetate	12.495	43	616194	39.956	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	542955	42.515	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	459141m	46.021	ug/l	
77) Bromobenzene	12.983	156	384938	46.521	ug/l	94
78) n-propylbenzene	13.042	91	2145329	47.712	ug/l	100
79) 2-Chlorotoluene	13.130	91	1259771	46.530	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	1569897	48.300	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.742	75	188697	42.562	ug/l	99
82) 4-Chlorotoluene	13.224	91	1216785	47.667	ug/l	100
83) tert-Butylbenzene	13.442	119	1331248	46.015	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	1572027	48.956	ug/l	99
85) sec-Butylbenzene	13.618	105	1962548	48.675	ug/l	99
86) p-Isopropyltoluene	13.730	119	1586232	50.059	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	738379	48.234	ug/l	100
88) 1,4-Dichlorobenzene	13.813	146	721806	47.814	ug/l	98
89) n-Butylbenzene	14.060	91	1384676	52.638	ug/l	99
90) Hexachloroethane	14.336	117	325830	47.028	ug/l	95
91) 1,2-Dichlorobenzene	14.113	146	730377	47.693	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	100287	41.436	ug/l	94
93) 1,2,4-Trichlorobenzene	15.371	180	297981	53.901	ug/l	99
94) Hexachlorobutadiene	15.465	225	146675	45.835	ug/l	99
95) Naphthalene	15.589	128	1089868	52.480	ug/l	99
96) 1,2,3-Trichlorobenzene	15.760	180	277394	52.459	ug/l	99

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

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