

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077038.D
 Acq On : 17 Mar 2023 17:21
 Operator : JC\MD
 Sample : VN0317WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/20/2023
 Supervised By : Mahesh Dadoda 03/20/2023

Quant Time: Mar 18 02:31:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 02:17:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	354867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	635296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	561761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	242560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	262685	46.342	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.680%		
35) Dibromofluoromethane	8.172	113	190729	42.870	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	85.740%		
50) Toluene-d8	10.572	98	715905	45.046	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.100%		
62) 4-Bromofluorobenzene	12.854	95	253453	45.131	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.143	85	64115	18.375	ug/l	99
3) Chloromethane	2.372	50	59910	16.756	ug/l #	88
4) Vinyl Chloride	2.525	62	66680	17.278	ug/l	94
5) Bromomethane	2.972	94	49214	18.879	ug/l	98
6) Chloroethane	3.131	64	42337	17.337	ug/l	93
7) Trichlorofluoromethane	3.507	101	152698	18.392	ug/l	99
8) Diethyl Ether	3.972	74	60082	19.229	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.378	101	87435	18.565	ug/l	99
10) Methyl Iodide	4.601	142	100976	19.036	ug/l	98
11) Tert butyl alcohol	5.531	59	89764	108.676	ug/l	99
12) 1,1-Dichloroethene	4.354	96	78638	18.252	ug/l	95
13) Acrolein	4.190	56	111383	109.026	ug/l	100
14) Allyl chloride	5.037	41	160368	20.332	ug/l	95
15) Acrylonitrile	5.731	53	278398	100.259	ug/l	99
16) Acetone	4.443	43	241483	95.610	ug/l	100
17) Carbon Disulfide	4.725	76	219076	17.439	ug/l	97
18) Methyl Acetate	5.037	43	192817	20.245	ug/l	99
19) Methyl tert-butyl Ether	5.807	73	311414	20.140	ug/l	98
20) Methylene Chloride	5.296	84	107829	19.671	ug/l	96
21) trans-1,2-Dichloroethene	5.795	96	86517	18.527	ug/l	99
22) Diisopropyl ether	6.684	45	350038	20.256	ug/l	98
23) Vinyl Acetate	6.613	43	1118931	102.607	ug/l	100
24) 1,1-Dichloroethane	6.578	63	185570	18.766	ug/l	98
25) 2-Butanone	7.489	43	373497	101.089	ug/l	96
26) 2,2-Dichloropropane	7.495	77	140686	18.908	ug/l	97
27) cis-1,2-Dichloroethene	7.495	96	104496	19.538	ug/l	99
28) Bromochloromethane	7.819	49	76171	17.737	ug/l	99
29) Tetrahydrofuran	7.848	42	256754	107.239	ug/l	98
30) Chloroform	7.972	83	183160	19.083	ug/l	99
31) Cyclohexane	8.266	56	175248	18.896	ug/l	97
32) 1,1,1-Trichloroethane	8.172	97	155658	18.975	ug/l	97
36) 1,1-Dichloropropene	8.378	75	131956	18.989	ug/l	100
37) Ethyl Acetate	7.566	43	153579	20.656	ug/l	99
38) Carbon Tetrachloride	8.372	117	128093	18.925	ug/l	99
39) Methylcyclohexane	9.607	83	154367	18.978	ug/l	98
40) Benzene	8.613	78	407991	19.359	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	81777	20.880	ug/l	97
42) 1,2-Dichloroethane	8.678	62	148478	19.497	ug/l	99
43) Isopropyl Acetate	8.695	43	238242	20.512	ug/l	99
44) Trichloroethene	9.354	130	87744	18.126	ug/l	90
45) 1,2-Dichloropropane	9.625	63	110386	19.721	ug/l	97
46) Dibromomethane	9.713	93	68181	19.314	ug/l	98
47) Bromodichloromethane	9.889	83	143033	19.319	ug/l	98
48) Methyl methacrylate	9.683	41	116657	21.009	ug/l	100
49) 1,4-Dioxane	9.701	88	40327	425.223	ug/l	96
51) 4-Methyl-2-Pentanone	10.448	43	763057	105.501	ug/l	100
52) Toluene	10.630	92	248868	19.778	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	146720	20.219	ug/l	99
54) cis-1,3-Dichloropropene	10.319	75	164114	20.045	ug/l	97
55) 1,1,2-Trichloroethane	11.019	97	99038	19.959	ug/l	95
56) Ethyl methacrylate	10.878	69	156417	20.963	ug/l	99
57) 1,3-Dichloropropane	11.166	76	177702	19.561	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	330767	103.982	ug/l	99
59) 2-Hexanone	11.201	43	546416	104.159	ug/l	99
60) Dibromochloromethane	11.360	129	98978	19.858	ug/l	100
61) 1,2-Dibromoethane	11.472	107	95096	19.326	ug/l	100
64) Tetrachloroethene	11.107	164	71621	18.997	ug/l	97
65) Chlorobenzene	11.895	112	248097	19.195	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.966	131	90924	19.011	ug/l	99
67) Ethyl Benzene	11.966	91	462075	19.682	ug/l	98
68) m/p-Xylenes	12.072	106	342880	39.380	ug/l	98
69) o-Xylene	12.401	106	167833	19.399	ug/l	98
70) Styrene	12.413	104	274137	20.353	ug/l	99
71) Bromoform	12.583	173	63564	19.613	ug/l #	100
73) Isopropylbenzene	12.701	105	437503	20.127	ug/l	100
74) N-amyl acetate	12.495	43	199368	21.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	151275	19.209	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	135582m	21.610	ug/l	
77) Bromobenzene	12.983	156	96044	19.724	ug/l	98
78) n-propylbenzene	13.042	91	510063	20.326	ug/l	99
79) 2-Chlorotoluene	13.130	91	326491	20.419	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	378629	20.863	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.742	75	44128	19.360	ug/l	94
82) 4-Chlorotoluene	13.224	91	310985	20.453	ug/l	100
83) tert-Butylbenzene	13.442	119	311609	20.450	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	380912	21.032	ug/l	99
85) sec-Butylbenzene	13.619	105	448954	20.712	ug/l	100
86) p-Isopropyltoluene	13.736	119	364970	20.967	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	179962	19.554	ug/l	98
88) 1,4-Dichlorobenzene	13.819	146	172435	18.832	ug/l	98
89) n-Butylbenzene	14.060	91	305308	19.993	ug/l	100
90) Hexachloroethane	14.336	117	68646	19.397	ug/l	92
91) 1,2-Dichlorobenzene	14.107	146	178259	19.432	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.724	75	29935	20.514	ug/l	98
93) 1,2,4-Trichlorobenzene	15.395	180	83025	20.020	ug/l	98
94) Hexachlorobutadiene	15.501	225	43516	19.054	ug/l	98
95) Naphthalene	15.648	128	282826	18.791	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	85114	20.454	ug/l	98

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

