

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031423\
 Data File : VN076980.D
 Acq On : 14 Mar 2023 14:20
 Operator : JC\MD
 Sample : VN0314WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/15/2023
 Supervised By : Mahesh Dadoda 03/15/2023

Quant Time: Mar 15 04:22:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	255048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	381271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	341364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	167818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	192441	50.562	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.120%
35) Dibromofluoromethane	8.178	113	123630	48.653	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.300%
50) Toluene-d8	10.572	98	438202	46.792	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.580%
62) 4-Bromofluorobenzene	12.854	95	178614	52.144	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.280%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.143	85	93650	20.386	ug/l	98
3) Chloromethane	2.378	50	32023	12.882	ug/l	97
4) Vinyl Chloride	2.531	62	36794	15.945	ug/l	93
5) Bromomethane	2.972	94	35250	20.768	ug/l	86
6) Chloroethane	3.137	64	25005	17.070	ug/l	96
7) Trichlorofluoromethane	3.513	101	130593	21.811	ug/l	96
8) Diethyl Ether	3.978	74	31538	16.372	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.384	101	55062	18.000	ug/l	90
10) Methyl Iodide	4.607	142	57174	17.857	ug/l #	78
11) Tert butyl alcohol	5.531	59	49915	94.276	ug/l	99
12) 1,1-Dichloroethene	4.354	96	48555	17.223	ug/l	90
13) Acrolein	4.196	56	31294	65.757	ug/l	98
14) Allyl chloride	5.043	41	56697	14.019	ug/l	88
15) Acrylonitrile	5.737	53	108980	72.831	ug/l	96
16) Acetone	4.437	43	124650	94.514	ug/l #	87
17) Carbon Disulfide	4.725	76	122322	15.664	ug/l	97
18) Methyl Acetate	5.037	43	67636	13.906	ug/l	98
19) Methyl tert-butyl Ether	5.807	73	204275	20.378	ug/l	91
20) Methylene Chloride	5.296	84	53510	15.780	ug/l	91
21) trans-1,2-Dichloroethene	5.801	96	50356	16.849	ug/l	94
22) Diisopropyl ether	6.690	45	130648	14.602	ug/l	97
23) Vinyl Acetate	6.619	43	435589	79.054	ug/l	97
24) 1,1-Dichloroethane	6.578	63	93197	16.306	ug/l	97
25) 2-Butanone	7.490	43	140332	74.815	ug/l	95
26) 2,2-Dichloropropane	7.501	77	108008	21.355	ug/l	92
27) cis-1,2-Dichloroethene	7.495	96	59339	17.206	ug/l	86
28) Bromochloromethane	7.819	49	36988	17.891	ug/l	91
29) Tetrahydrofuran	7.842	42	80453	69.199	ug/l	100
30) Chloroform	7.978	83	117701	19.166	ug/l	100
31) Cyclohexane	8.266	56	81706	14.963	ug/l	93
32) 1,1,1-Trichloroethane	8.172	97	126739	22.013	ug/l	95
36) 1,1-Dichloropropene	8.372	75	79804	20.306	ug/l	95
37) Ethyl Acetate	7.566	43	55733	17.733	ug/l	99
38) Carbon Tetrachloride	8.372	117	117948	25.643	ug/l	95
39) Methylcyclohexane	9.607	83	90421	18.954	ug/l	92
40) Benzene	8.613	78	216662	18.703	ug/l	98

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41) Methacrylonitrile	7.790	41	31861	17.037	ug/l	88
42) 1,2-Dichloroethane	8.678	62	109273	24.183	ug/l	90
43) Isopropyl Acetate	8.695	43	101564	18.306	ug/l	95
44) Trichloroethene	9.354	130	62869	21.000	ug/l	92
45) 1,2-Dichloropropane	9.625	63	48188	16.907	ug/l	98
46) Dibromomethane	9.713	93	42440	21.321	ug/l	92
47) Bromodichloromethane	9.889	83	97761	23.150	ug/l	96
48) Methyl methacrylate	9.684	41	49262	18.122	ug/l	82
49) 1,4-Dioxane	9.695	88	21106	410.044	ug/l #	94
51) 4-Methyl-2-Pentanone	10.448	43	280598	84.193	ug/l	95
52) Toluene	10.631	92	143869	20.179	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	98372	23.366	ug/l	100
54) cis-1,3-Dichloropropene	10.319	75	96786	20.933	ug/l #	91
55) 1,1,2-Trichloroethane	11.019	97	56063	20.210	ug/l	98
56) Ethyl methacrylate	10.878	69	84244	20.022	ug/l #	83
57) 1,3-Dichloropropane	11.166	76	94803	19.381	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	98931	73.839	ug/l	97
59) 2-Hexanone	11.195	43	213661	87.925	ug/l	92
60) Dibromochloromethane	11.360	129	72951	23.870	ug/l	98
61) 1,2-Dibromoethane	11.472	107	58619	21.084	ug/l	96
64) Tetrachloroethene	11.101	164	66098	23.924	ug/l	89
65) Chlorobenzene	11.895	112	153136	20.055	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.966	131	69349	23.265	ug/l	94
67) Ethyl Benzene	11.966	91	291279	20.745	ug/l	100
68) m/p-Xylenes	12.072	106	217595	41.233	ug/l	83
69) o-Xylene	12.401	106	110356	21.540	ug/l	82
70) Styrene	12.413	104	172658	20.860	ug/l #	89
71) Bromoform	12.583	173	52832	24.457	ug/l #	100
73) Isopropylbenzene	12.701	105	298687	19.974	ug/l	96
74) N-amyl acetate	12.495	43	82253	16.613	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.942	83	70774	16.085	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	75940m	18.665	ug/l	
77) Bromobenzene	12.983	156	67900	20.311	ug/l	100
78) n-propylbenzene	13.042	91	323560	19.431	ug/l	98
79) 2-Chlorotoluene	13.130	91	213198	19.743	ug/l	93
80) 1,3,5-Trimethylbenzene	13.177	105	272147	21.365	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.742	75	22252	17.865	ug/l #	73
82) 4-Chlorotoluene	13.224	91	206330	20.221	ug/l	93
83) tert-Butylbenzene	13.442	119	224043	20.703	ug/l	86
84) 1,2,4-Trimethylbenzene	13.483	105	267246	20.970	ug/l	91
85) sec-Butylbenzene	13.619	105	295718	19.936	ug/l	99
86) p-Isopropyltoluene	13.736	119	261186	21.804	ug/l	91
87) 1,3-Dichlorobenzene	13.736	146	125793	20.647	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	124506	20.371	ug/l	95
89) n-Butylbenzene	14.060	91	198464	19.855	ug/l	99
90) Hexachloroethane	14.336	117	47100	20.463	ug/l	73
91) 1,2-Dichlorobenzene	14.107	146	124059	20.269	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.724	75	20860	21.473	ug/l	82
93) 1,2,4-Trichlorobenzene	15.395	180	75701	22.251	ug/l	99
94) Hexachlorobutadiene	15.507	225	47260	26.073	ug/l	97
95) Naphthalene	15.642	128	212189	20.949	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	73599	22.278	ug/l	98

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

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