

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032122\
 Data File : VN071439.D
 Acq On : 22 Mar 2022 00:31
 Operator : JC\MD
 Sample : VN0321WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 03/22/2022

Quant Time: Mar 22 06:27:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	672430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1103481	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	975059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	371788	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	455930	49.47	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.94%
35) Dibromofluoromethane	8.016	113	340724	48.93	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.86%
50) Toluene-d8	10.439	98	1344999	47.97	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.94%
62) 4-Bromofluorobenzene	12.727	95	440981	46.45	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.90%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.069	85	113575	15.41	ug/l 98
3) Chloromethane	2.299	50	162865	16.44	ug/l 100
4) Vinyl Chloride	2.440	62	150062	16.62	ug/l 96
5) Bromomethane	2.834	94	79124	15.50	ug/l 95
6) Chloroethane	3.004	64	101139	18.49	ug/l 97
7) Trichlorofluoromethane	3.363	101	205791	17.31	ug/l 97
8) Diethyl Ether	3.822	74	96016	18.88	ug/l 90
9) 1,1,2-Trichlorotrifluo...	4.210	101	121784	17.70	ug/l 95
10) Methyl Iodide	4.416	142	157670	16.22	ug/l 99
11) Tert butyl alcohol	5.369	59	184793	102.07	ug/l 100
12) 1,1-Dichloroethene	4.175	96	118990	17.65	ug/l 90
13) Acrolein	4.034	56	97515	50.89	ug/l 97
14) Allyl chloride	4.840	41	250676	17.10	ug/l # 85
15) Acrylonitrile	5.551	53	505996	94.13	ug/l 99
16) Acetone	4.281	43	449699	100.29	ug/l 94
17) Carbon Disulfide	4.522	76	269610	14.05	ug/l 96
18) Methyl Acetate	4.851	43	254131	21.37	ug/l 95
19) Methyl tert-butyl Ether	5.610	73	473612	18.71	ug/l 95
20) Methylene Chloride	5.098	84	148145	18.32	ug/l 89
21) trans-1,2-Dichloroethene	5.592	96	123876	16.80	ug/l 92
22) Diisopropyl ether	6.492	45	532926	18.45	ug/l 92
23) Vinyl Acetate	6.428	43	2291905	93.72	ug/l 99
24) 1,1-Dichloroethane	6.386	63	269950	17.69	ug/l 99
25) 2-Butanone	7.328	43	716774	99.23	ug/l 96
26) 2,2-Dichloropropane	7.322	77	186020	15.80	ug/l 98
27) cis-1,2-Dichloroethene	7.322	96	152926	17.47	ug/l 90
28) Bromochloromethane	7.651	49	99951	14.70	ug/l # 80
29) Tetrahydrofuran	7.681	42	490456	98.01	ug/l 92
30) Chloroform	7.816	83	264801	18.19	ug/l 98
31) Cyclohexane	8.092	56	244873	16.64	ug/l 97
32) 1,1,1-Trichloroethane	8.010	97	225979	18.22	ug/l 97
36) 1,1-Dichloropropene	8.216	75	184880	16.57	ug/l 96
37) Ethyl Acetate	7.410	43	278154	18.12	ug/l 98
38) Carbon Tetrachloride	8.204	117	188601	17.48	ug/l 98
39) Methylcyclohexane	9.457	83	219639	16.73	ug/l 94
40) Benzene	8.457	78	595822	17.73	ug/l 97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	147301	19.60	ug/l #	88
42) 1,2-Dichloroethane	8.527	62	215672	18.44	ug/l	99
43) Isopropyl Acetate	8.557	43	444545	19.36	ug/l	95
44) Trichloroethene	9.210	130	136510	17.21	ug/l	96
45) 1,2-Dichloropropane	9.486	63	161289	17.87	ug/l	98
46) Dibromomethane	9.575	93	99962	18.00	ug/l	95
47) Bromodichloromethane	9.757	83	202241	18.02	ug/l	99
48) Methyl methacrylate	9.557	41	200940	18.88	ug/l #	83
49) 1,4-Dioxane	9.563	88	78779	425.93	ug/l	90
51) 4-Methyl-2-Pentanone	10.327	43	1422226	99.81	ug/l	100
52) Toluene	10.504	92	367898	17.77	ug/l	97
53) t-1,3-Dichloropropene	10.716	75	210479	17.01	ug/l	97
54) cis-1,3-Dichloropropene	10.186	75	234891	17.38	ug/l	98
55) 1,1,2-Trichloroethane	10.892	97	154207	18.59	ug/l	99
56) Ethyl methacrylate	10.757	69	255905	18.89	ug/l	93
57) 1,3-Dichloropropane	11.039	76	271459	18.23	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	243329	103.84	ug/l	95
59) 2-Hexanone	11.080	43	1037507	106.71	ug/l	99
60) Dibromochloromethane	11.233	129	152481	18.50	ug/l	99
61) 1,2-Dibromoethane	11.339	107	152030	17.93	ug/l	98
64) Tetrachloroethene	10.974	164	119114	17.52	ug/l	98
65) Chlorobenzene	11.768	112	388890	18.57	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.839	131	146295	19.05	ug/l	98
67) Ethyl Benzene	11.839	91	688466	18.59	ug/l	98
68) m/p-Xylenes	11.951	106	518289	38.27	ug/l	100
69) o-Xylene	12.274	106	255834	18.84	ug/l	95
70) Styrene	12.292	104	404353	19.24	ug/l	97
71) Bromoform	12.457	173	112801	19.35	ug/l #	99
73) Isopropylbenzene	12.574	105	666200	18.59	ug/l	100
74) N-amyl acetate	12.386	43	283632	21.05	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	246984	21.74	ug/l	98
76) 1,2,3-Trichloropropane	12.874	75	195252m	19.97	ug/l	
77) Bromobenzene	12.857	156	153489	18.37	ug/l	78
78) n-propylbenzene	12.915	91	717674	18.66	ug/l	97
79) 2-Chlorotoluene	13.004	91	457730	18.54	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	538694	19.32	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	65305	18.99	ug/l	92
82) 4-Chlorotoluene	13.098	91	412942	18.78	ug/l	93
83) tert-Butylbenzene	13.321	119	479765	19.28	ug/l	95
84) 1,2,4-Trimethylbenzene	13.362	105	522335	19.56	ug/l	99
85) sec-Butylbenzene	13.498	105	628365	19.00	ug/l	99
86) p-Isopropyltoluene	13.610	119	499624	19.21	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	245814	18.10	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	237727	17.91	ug/l	96
89) n-Butylbenzene	13.939	91	364322	17.91	ug/l	96
90) Hexachloroethane	14.204	117	94259	18.22	ug/l	90
91) 1,2-Dichlorobenzene	13.986	146	247537	18.96	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	43431	20.83	ug/l	84
93) 1,2,4-Trichlorobenzene	15.262	180	106136	19.37	ug/l	97
94) Hexachlorobutadiene	15.368	225	69429	18.94	ug/l	94
95) Naphthalene	15.504	128	320843	21.98	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	108428	20.29	ug/l	99

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

