

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031020\
 Data File : VN060408.D
 Acq On : 10 Mar 2020 11:48
 Operator : JC/MD
 Sample : VN0310WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:09 PM

Quant Time: Mar 11 06:55:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	215339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	353637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	328816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155182	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133087	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
35) Dibromofluoromethane	7.56	113	98139	59.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.58%	
50) Toluene-d8	10.08	98	388218	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
62) 4-Bromofluorobenzene	12.40	95	148517	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	29341	14.861	ug/l	97
3) Chloromethane	2.04	50	55306	16.090	ug/l	99
4) Vinyl Chloride	2.16	62	44691	15.160	ug/l	97
5) Bromomethane	2.54	94	17773	13.210	ug/l	98
6) Chloroethane	2.68	64	25415	15.912	ug/l	96
7) Trichlorofluoromethane	3.00	101	59223	15.724	ug/l	99
8) Diethyl Ether	3.38	74	23519	16.539	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35136	16.484	ug/l	100
10) Methyl Iodide	3.93	142	27015	13.887	ug/l	99
11) Tert butyl alcohol	4.73	59	36424	88.786	ug/l	99
12) 1,1-Dichloroethene	3.71	96	34400	16.576	ug/l	94
13) Acrolein	3.58	56	30464	79.598	ug/l	100
14) Allyl chloride	4.29	41	61028	15.999	ug/l	94
15) Acrylonitrile	4.94	53	98669	91.248	ug/l	98
16) Acetone	3.78	43	81531	91.382	ug/l	100
17) Carbon Disulfide	4.03	76	83553	14.722	ug/l	100
18) Methyl Acetate	4.29	43	52436	17.611	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	130513	17.376	ug/l	100
20) Methylene Chloride	4.52	84	40333	16.461	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	36967	16.344	ug/l	98
22) Diisopropyl ether	5.91	45	138905	17.978	ug/l	96
23) Vinyl Acetate	5.86	43	548327	89.308	ug/l	98
24) 1,1-Dichloroethane	5.81	63	76780	17.555	ug/l	100
25) 2-Butanone	6.80	43	135687	94.154	ug/l	99
26) 2,2-Dichloropropane	6.79	77	69028	17.336	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	46441	16.345	ug/l	99
28) Bromochloromethane	7.17	49	29811	16.601	ug/l	97
29) Tetrahydrofuran	7.18	42	90190	89.999	ug/l	99
30) Chloroform	7.35	83	75886	17.429	ug/l	99
31) Cyclohexane	7.63	56	67048	17.081	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	65772	17.050	ug/l	99
36) 1,1-Dichloropropene	7.77	75	55125	16.356	ug/l	99
37) Ethyl Acetate	6.89	43	58583	18.357	ug/l	99
38) Carbon Tetrachloride	7.75	117	53354	16.259	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	60418	15.204	ug/l	95
40) Benzene	8.02	78	165565	16.878	ug/l	99
41) Methacrylonitrile	7.15	41	27464m	18.638	ug/l	
42) 1,2-Dichloroethane	8.10	62	61969	17.506	ug/l	100
43) Isopropyl Acetate	8.14	43	100706	18.025	ug/l	98
44) Trichloroethene	8.82	130	46002	16.838	ug/l	99
45) 1,2-Dichloropropane	9.10	63	46657	18.192	ug/l	98
46) Dibromomethane	9.19	93	28364	17.044	ug/l	99
47) Bromodichloromethane	9.39	83	60051	17.742	ug/l	99
48) Methyl methacrylate	9.18	41	43256	16.978	ug/l	97
49) 1,4-Dioxane	9.18	88	12092	337.506	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	292535	92.350	ug/l	100
52) Toluene	10.14	92	104317	16.929	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	68845	16.600	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	73430	17.087	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	43008	17.356	ug/l	98
56) Ethyl methacrylate	10.42	69	61700	17.331	ug/l	98
57) 1,3-Dichloropropane	10.70	76	71557	17.707	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	154791	83.135	ug/l	99
59) 2-Hexanone	10.74	43	208892	89.816	ug/l	99
60) Dibromochloromethane	10.89	129	44187	17.534	ug/l	99
61) 1,2-Dibromoethane	10.99	107	40905	16.933	ug/l	100
64) Tetrachloroethene	10.62	164	47499	17.426	ug/l	99
65) Chlorobenzene	11.43	112	109403	16.477	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	41858	17.050	ug/l	99
67) Ethyl Benzene	11.51	91	201868	16.695	ug/l	100
68) m/p-Xylenes	11.62	106	151194	33.142	ug/l	100
69) o-Xylene	11.94	106	73483	16.892	ug/l	98
70) Styrene	11.96	104	116943	16.350	ug/l	100
71) Bromoform	12.12	173	30300	17.125	ug/l #	98
73) Isopropylbenzene	12.25	105	195990	17.040	ug/l	99
74) N-amyl acetate	12.06	43	85865	17.084	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	57709	18.458	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	50994m	14.978	ug/l	
77) Bromobenzene	12.52	156	47487	16.843	ug/l	98
78) n-propylbenzene	12.59	91	226045	16.766	ug/l	99
79) 2-Chlorotoluene	12.67	91	136214	17.187	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	166211	17.163	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21288	17.260	ug/l #	85
82) 4-Chlorotoluene	12.77	91	140627	16.842	ug/l	97
83) tert-Butylbenzene	12.99	119	142431	16.987	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	164478	16.827	ug/l	99
85) sec-Butylbenzene	13.17	105	186824	16.640	ug/l	100
86) p-Isopropyltoluene	13.29	119	168235	16.189	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	83949	17.204	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	83732	17.156	ug/l	98
89) n-Butylbenzene	13.61	91	149761	15.699	ug/l	99
90) Hexachloroethane	13.87	117	22260	14.799	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	82645	16.729	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12156	17.169	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49187	15.730	ug/l	100
94) Hexachlorobutadiene	15.01	225	25322	17.173	ug/l	98
95) Naphthalene	15.13	128	142153	15.185	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46970	15.763	ug/l	99

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

