

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031120\
 Data File : VN060439.D
 Acq On : 11 Mar 2020 11:02
 Operator : JC/MD
 Sample : VN0311WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:45:30 PM

Quant Time: Mar 12 03:55:16 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	192394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	314133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	289736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	120751	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
35) Dibromofluoromethane	7.56	113	89646	61.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.96%	
50) Toluene-d8	10.08	98	346886	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
62) 4-Bromofluorobenzene	12.40	95	131356	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	25810	14.632	ug/l	99
3) Chloromethane	2.03	50	48466	15.781	ug/l	98
4) Vinyl Chloride	2.16	62	39514	15.003	ug/l	100
5) Bromomethane	2.54	94	16946	14.267	ug/l	97
6) Chloroethane	2.68	64	22771	15.957	ug/l	95
7) Trichlorofluoromethane	3.00	101	53114	15.784	ug/l	100
8) Diethyl Ether	3.38	74	22615	17.799	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	32263	16.941	ug/l	99
10) Methyl Iodide	3.93	142	24557	14.129	ug/l	97
11) Tert butyl alcohol	4.73	59	37221	101.549	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	30675	16.544	ug/l	98
13) Acrolein	3.58	56	35670	104.316	ug/l	100
14) Allyl chloride	4.29	41	59063	17.331	ug/l	99
15) Acrylonitrile	4.94	53	95470	98.819	ug/l	98
16) Acetone	3.78	43	80370	100.824	ug/l	99
17) Carbon Disulfide	4.03	76	75458	14.889	ug/l	99
18) Methyl Acetate	4.29	43	50281	18.901	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	124435	18.542	ug/l	98
20) Methylene Chloride	4.52	84	37645	17.196	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	33639	16.655	ug/l	99
22) Diisopropyl ether	5.91	45	130164	18.855	ug/l	93
23) Vinyl Acetate	5.86	43	523906	95.507	ug/l	98
24) 1,1-Dichloroethane	5.82	63	70567	18.059	ug/l	100
25) 2-Butanone	6.80	43	128744	99.990	ug/l	99
26) 2,2-Dichloropropane	6.79	77	62357	17.528	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	43140	16.994	ug/l	99
28) Bromochloromethane	7.17	49	30376	18.933	ug/l	97
29) Tetrahydrofuran	7.18	42	87017	97.188	ug/l	98
30) Chloroform	7.35	83	71603	18.407	ug/l	99
31) Cyclohexane	7.63	56	59941	17.093	ug/l #	95
32) 1,1,1-Trichloroethane	7.55	97	59595	17.291	ug/l	99
36) 1,1-Dichloropropene	7.77	75	50020	16.708	ug/l	99
37) Ethyl Acetate	6.89	43	57123	20.151	ug/l	98
38) Carbon Tetrachloride	7.75	117	48128	16.511	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	55392	15.692	ug/l	95
40) Benzene	8.02	78	153157	17.576	ug/l	99
41) Methacrylonitrile	7.15	41	29055m	22.198	ug/l	
42) 1,2-Dichloroethane	8.10	62	58013	18.449	ug/l	100
43) Isopropyl Acetate	8.14	43	95974	19.339	ug/l	99
44) Trichloroethene	8.82	130	40991	16.891	ug/l	98
45) 1,2-Dichloropropane	9.10	63	43473	19.082	ug/l	97
46) Dibromomethane	9.19	93	26752	18.097	ug/l	100
47) Bromodichloromethane	9.39	83	56552	18.809	ug/l	98
48) Methyl methacrylate	9.18	41	40853	18.052	ug/l	97
49) 1,4-Dioxane	9.18	88	12725	399.839	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	278221	98.877	ug/l	99
52) Toluene	10.14	92	95060	17.367	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	63667	17.282	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	69725	18.265	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	39916	18.134	ug/l	97
56) Ethyl methacrylate	10.42	69	57849	18.293	ug/l	97
57) 1,3-Dichloropropane	10.70	76	68995	19.220	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	157540	95.252	ug/l	97
59) 2-Hexanone	10.74	43	198249	95.959	ug/l	100
60) Dibromochloromethane	10.89	129	41622	18.593	ug/l	98
61) 1,2-Dibromoethane	11.00	107	39430	18.376	ug/l	97
64) Tetrachloroethene	10.62	164	41618	17.319	ug/l	99
65) Chlorobenzene	11.43	112	100052	17.101	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	39412	18.219	ug/l	99
67) Ethyl Benzene	11.50	91	185115	17.375	ug/l	100
68) m/p-Xylenes	11.62	106	135189	33.631	ug/l	98
69) o-Xylene	11.94	106	66405	17.324	ug/l	100
70) Styrene	11.96	104	107232	17.015	ug/l	100
71) Bromoform	12.12	173	28994	18.597	ug/l #	100
73) Isopropylbenzene	12.25	105	179013	17.485	ug/l	100
74) N-amyl acetate	12.06	43	80674	18.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55508	19.946	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	49319m	16.274	ug/l	
77) Bromobenzene	12.52	156	44282	17.645	ug/l	97
78) n-propylbenzene	12.59	91	208026	17.335	ug/l	99
79) 2-Chlorotoluene	12.67	91	124423	17.638	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	149944	17.395	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	19662	17.910	ug/l #	85
82) 4-Chlorotoluene	12.77	91	128491	17.288	ug/l	98
83) tert-Butylbenzene	12.99	119	129535	17.357	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	151578	17.422	ug/l	99
85) sec-Butylbenzene	13.17	105	170899	17.100	ug/l	99
86) p-Isopropyltoluene	13.28	119	152740	16.513	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	77119	17.761	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	77312	17.809	ug/l	99
89) n-Butylbenzene	13.61	91	135313	15.936	ug/l	99
90) Hexachloroethane	13.87	117	20686	15.450	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	75430	17.153	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11072	17.569	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46660	16.758	ug/l	99
94) Hexachlorobutadiene	15.01	225	22623	17.239	ug/l	98
95) Naphthalene	15.13	128	138846	16.689	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44670	16.855	ug/l	98

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

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