

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060182.D
 Acq On : 21 Feb 2020 11:57
 Operator : JC/MD
 Sample : VN0221WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:41:06 AM

Quant Time: Feb 21 22:51:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	180207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	286726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	264431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	127672	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	109617	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
35) Dibromofluoromethane	7.56	113	86837	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.54%	
50) Toluene-d8	10.08	98	338092	48.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	121315	47.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	32942	18.288	ug/l	100
3) Chloromethane	2.04	50	37816	17.641	ug/l	99
4) Vinyl Chloride	2.17	62	43389	17.758	ug/l	99
5) Bromomethane	2.55	94	28093	18.751	ug/l	99
6) Chloroethane	2.69	64	22496	18.203	ug/l	99
7) Trichlorofluoromethane	3.00	101	57424	18.229	ug/l	98
8) Diethyl Ether	3.38	74	20491	19.541	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	32751	18.726	ug/l	99
10) Methyl Iodide	3.93	142	41873	19.417	ug/l	99
11) Tert butyl alcohol	4.72	59	29198	88.979	ug/l	100
12) 1,1-Dichloroethene	3.72	96	31551	18.518	ug/l	99
13) Acrolein	3.58	56	26124	80.543	ug/l	96
14) Allyl chloride	4.29	41	47068	18.769	ug/l	94
15) Acrylonitrile	4.94	53	75873	94.679	ug/l	99
16) Acetone	3.78	43	77128	80.636	ug/l	99
17) Carbon Disulfide	4.03	76	87668	17.071	ug/l	99
18) Methyl Acetate	4.29	43	35119	19.546	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	107918	18.835	ug/l	98
20) Methylene Chloride	4.52	84	35497	18.602	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	34560	18.608	ug/l	99
22) Diisopropyl ether	5.91	45	106041	19.295	ug/l	97
23) Vinyl Acetate	5.86	43	431250	93.440	ug/l	100
24) 1,1-Dichloroethane	5.81	63	62716	18.837	ug/l	99
25) 2-Butanone	6.80	43	104889	87.192	ug/l	95
26) 2,2-Dichloropropane	6.79	77	58760	18.582	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	40011	18.408	ug/l	99
28) Bromochloromethane	7.17	49	24113	18.422	ug/l	100
29) Tetrahydrofuran	7.18	42	66839	90.569	ug/l	98
30) Chloroform	7.35	83	65732	18.848	ug/l	97
31) Cyclohexane	7.63	56	58189	18.762	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	59200	18.575	ug/l	99
36) 1,1-Dichloropropene	7.77	75	48917	18.419	ug/l	98
37) Ethyl Acetate	6.90	43	44128	18.385	ug/l	98
38) Carbon Tetrachloride	7.75	117	51327	17.795	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	59522	18.055	ug/l	99
40) Benzene	8.02	78	142855	18.133	ug/l	98
41) Methacrylonitrile	7.15	41	17691m	17.575	ug/l	
42) 1,2-Dichloroethane	8.10	62	52925	19.168	ug/l	98
43) Isopropyl Acetate	8.14	43	75411	18.380	ug/l	99
44) Trichloroethene	8.82	130	40105	18.385	ug/l	97
45) 1,2-Dichloropropane	9.10	63	37851	19.407	ug/l	100
46) Dibromomethane	9.19	93	25537	18.528	ug/l	98
47) Bromodichloromethane	9.38	83	51754	18.469	ug/l	97
48) Methyl methacrylate	9.18	41	31535	17.131	ug/l	97
49) 1,4-Dioxane	9.18	88	11744	373.384	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	215770	90.856	ug/l	99
52) Toluene	10.14	92	91835	18.178	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	58101	18.369	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	62207	18.677	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	35640	18.083	ug/l	97
56) Ethyl methacrylate	10.42	69	49792	17.859	ug/l	98
57) 1,3-Dichloropropane	10.70	76	59621	18.333	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	123242	94.884	ug/l	99
59) 2-Hexanone	10.74	43	156881	85.516	ug/l	98
60) Dibromochloromethane	10.89	129	40312	17.824	ug/l	99
61) 1,2-Dibromoethane	11.00	107	36685	17.756	ug/l	98
64) Tetrachloroethene	10.62	164	38682	19.243	ug/l	98
65) Chlorobenzene	11.43	112	99747	18.515	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	38710	18.994	ug/l	99
67) Ethyl Benzene	11.50	91	178517	18.372	ug/l	99
68) m/p-Xylenes	11.62	106	134182	36.795	ug/l	99
69) o-Xylene	11.94	106	65491	18.652	ug/l	98
70) Styrene	11.96	104	100882	17.817	ug/l	99
71) Bromoform	12.12	173	28844	17.596	ug/l #	99
73) Isopropylbenzene	12.24	105	175733	18.432	ug/l	99
74) N-amyl acetate	12.06	43	60535	17.608	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	50836	18.525	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	46081m	18.865	ug/l	
77) Bromobenzene	12.52	156	44193	18.678	ug/l	98
78) n-propylbenzene	12.59	91	198069	18.235	ug/l	100
79) 2-Chlorotoluene	12.67	91	115726	18.126	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	147902	18.658	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	17252	17.293	ug/l	96
82) 4-Chlorotoluene	12.77	91	118293	18.059	ug/l	100
83) tert-Butylbenzene	12.99	119	127233	18.144	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	145408	18.583	ug/l	100
85) sec-Butylbenzene	13.17	105	169483	18.250	ug/l	100
86) p-Isopropyltoluene	13.28	119	153629	18.258	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	75915	18.126	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	75943	18.137	ug/l	98
89) n-Butylbenzene	13.61	91	133913	18.094	ug/l	99
90) Hexachloroethane	13.87	117	28139	17.901	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	73699	17.981	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9966	16.564	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	42677	17.721	ug/l	96
94) Hexachlorobutadiene	15.01	225	25563	18.132	ug/l	100
95) Naphthalene	15.13	128	105080	16.153	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	40900	17.054	ug/l	97

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

