

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020720\
 Data File : VN060019.D
 Acq On : 7 Feb 2020 10:15
 Operator : JC/MD
 Sample : VN0207WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 9:32:41 AM

Quant Time: Feb 07 23:33:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	178743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	280684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	256609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	121333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	108733	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
35) Dibromofluoromethane	7.56	113	89560	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
50) Toluene-d8	10.08	98	329066	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.40	95	121333	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	32698	15.152	ug/l	98
3) Chloromethane	2.04	50	34469	16.844	ug/l	97
4) Vinyl Chloride	2.17	62	45381	19.382	ug/l	100
5) Bromomethane	2.55	94	27119	18.979	ug/l	98
6) Chloroethane	2.69	64	20533	18.536	ug/l	93
7) Trichlorofluoromethane	3.00	101	53674	19.088	ug/l	99
8) Diethyl Ether	3.39	74	19602	19.864	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31821	20.333	ug/l	94
10) Methyl Iodide	3.93	142	37497	14.823	ug/l	96
11) Tert butyl alcohol	4.73	59	33158	99.227	ug/l #	82
12) 1,1-Dichloroethene	3.72	96	29401	17.979	ug/l	90
13) Acrolein	3.58	56	10861	45.915	ug/l	100
14) Allyl chloride	4.29	41	47032	21.337	ug/l	94
15) Acrylonitrile	4.94	53	79626	104.462	ug/l	100
16) Acetone	3.78	43	92932	132.563	ug/l	100
17) Carbon Disulfide	4.03	76	67668	14.526	ug/l	97
18) Methyl Acetate	4.29	43	50147	21.628	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	111907	20.988	ug/l	94
20) Methylene Chloride	4.52	84	35004	18.681	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	32325	18.596	ug/l	90
22) Diisopropyl ether	5.91	45	105677	21.156	ug/l	92
23) Vinyl Acetate	5.86	43	388468	100.446	ug/l	96
24) 1,1-Dichloroethane	5.82	63	62113	20.351	ug/l	98
25) 2-Butanone	6.80	43	117253	104.310	ug/l	90
26) 2,2-Dichloropropane	6.79	77	60155	20.501	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	39694	19.853	ug/l	91
28) Bromochloromethane	7.17	49	24803	20.332	ug/l #	78
29) Tetrahydrofuran	7.18	42	70446	101.289	ug/l	89
30) Chloroform	7.35	83	66165	20.922	ug/l	97
31) Cyclohexane	7.63	56	51827	17.647	ug/l #	85
32) 1,1,1-Trichloroethane	7.55	97	58941	20.158	ug/l	96
36) 1,1-Dichloropropene	7.77	75	45762	18.722	ug/l	95
37) Ethyl Acetate	6.90	43	43210	18.848	ug/l	96
38) Carbon Tetrachloride	7.75	117	51729	19.455	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	55150	18.299	ug/l	94
40) Benzene	8.02	78	140720	19.304	ug/l	99
41) Methacrylonitrile	7.14	41	20631	18.270	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	51995	21.037	ug/l	98
43) Isopropyl Acetate	8.14	43	78076	19.800	ug/l #	95
44) Trichloroethene	8.82	130	39365	19.781	ug/l	95
45) 1,2-Dichloropropane	9.10	63	36889	20.450	ug/l	96
46) Dibromomethane	9.19	93	25836	20.304	ug/l	93
47) Bromodichloromethane	9.39	83	53809	20.985	ug/l	99
48) Methyl methacrylate	9.18	41	34089	19.327	ug/l	92
49) 1,4-Dioxane	9.18	88	13037	403.759	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	230880	101.286	ug/l	96
52) Toluene	10.14	92	90457	19.645	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	58118	20.299	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	63141	20.959	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	37812	20.734	ug/l	98
56) Ethyl methacrylate	10.42	69	52841	18.963	ug/l	95
57) 1,3-Dichloropropane	10.70	76	61556	21.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	84080	100.176	ug/l	94
59) 2-Hexanone	10.74	43	175233	104.349	ug/l	95
60) Dibromochloromethane	10.89	129	43265	20.833	ug/l	98
61) 1,2-Dibromoethane	10.99	107	38385	20.082	ug/l	100
64) Tetrachloroethene	10.62	164	42293	20.222	ug/l	95
65) Chlorobenzene	11.43	112	99790	19.785	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	39959	20.503	ug/l	99
67) Ethyl Benzene	11.50	91	177570	19.394	ug/l	98
68) m/p-Xylenes	11.62	106	133354	38.557	ug/l	93
69) o-Xylene	11.94	106	65842	19.445	ug/l	94
70) Styrene	11.96	104	104929	18.519	ug/l	97
71) Bromoform	12.12	173	31671	20.288	ug/l #	99
73) Isopropylbenzene	12.25	105	178382	20.046	ug/l	99
74) N-amyl acetate	12.07	43	64672	18.730	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	52799	20.467	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	49939m	24.457	ug/l	
77) Bromobenzene	12.52	156	44665	19.821	ug/l	84
78) n-propylbenzene	12.59	91	196644	19.689	ug/l	98
79) 2-Chlorotoluene	12.67	91	118275	19.906	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	148966	19.906	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	18608	19.570	ug/l	98
82) 4-Chlorotoluene	12.77	91	120347	20.194	ug/l	98
83) tert-Butylbenzene	12.99	119	129817	20.057	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	147978	19.987	ug/l	99
85) sec-Butylbenzene	13.17	105	170266	20.022	ug/l	99
86) p-Isopropyltoluene	13.29	119	156797	19.927	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	76548	19.556	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	76102	19.489	ug/l	99
89) n-Butylbenzene	13.61	91	132845	19.801	ug/l	99
90) Hexachloroethane	13.87	117	28929	19.650	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	77930	20.138	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11480	19.458	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45784	19.690	ug/l	99
94) Hexachlorobutadiene	15.01	225	25430	19.846	ug/l	99
95) Naphthalene	15.13	128	123380	18.655	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46064	20.352	ug/l	98

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

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