

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021820\
 Data File : VN060135.D
 Acq On : 18 Feb 2020 11:35
 Operator : JC/MD
 Sample : VN0218WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 5:05:59 PM

Quant Time: Feb 19 01:33:22 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	188687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	295187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	274021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	115643	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
35) Dibromofluoromethane	7.57	113	92338	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
50) Toluene-d8	10.08	98	356688	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.40	95	128660	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37434	19.848	ug/l	98
3) Chloromethane	2.04	50	41803	18.625	ug/l	94
4) Vinyl Chloride	2.17	62	47688	18.640	ug/l	99
5) Bromomethane	2.55	94	29663	18.909	ug/l	97
6) Chloroethane	2.69	64	24221	18.718	ug/l	99
7) Trichlorofluoromethane	3.00	101	62816	19.044	ug/l	98
8) Diethyl Ether	3.39	74	22042	20.075	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34602	18.895	ug/l	99
10) Methyl Iodide	3.93	142	45792	20.170	ug/l	99
11) Tert butyl alcohol	4.73	59	33080	96.279	ug/l	98
12) 1,1-Dichloroethene	3.72	96	33719	18.901	ug/l	97
13) Acrolein	3.58	56	25705	75.689	ug/l	95
14) Allyl chloride	4.30	41	48946	18.641	ug/l	97
15) Acrylonitrile	4.94	53	83031	98.955	ug/l	99
16) Acetone	3.78	43	84900	84.773	ug/l	97
17) Carbon Disulfide	4.03	76	96645	17.973	ug/l	98
18) Methyl Acetate	4.29	43	37589	19.980	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	114866	19.146	ug/l	98
20) Methylene Chloride	4.52	84	37528	18.782	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	37376	19.220	ug/l	96
22) Diisopropyl ether	5.91	45	108685	18.887	ug/l	99
23) Vinyl Acetate	5.86	43	460966	95.389	ug/l	100
24) 1,1-Dichloroethane	5.81	63	65874	18.897	ug/l	99
25) 2-Butanone	6.80	43	114856	91.187	ug/l	97
26) 2,2-Dichloropropane	6.79	77	61494	18.572	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	42162	18.526	ug/l	98
28) Bromochloromethane	7.16	49	25765	18.800	ug/l	98
29) Tetrahydrofuran	7.18	42	74527	96.448	ug/l	98
30) Chloroform	7.35	83	69071	18.915	ug/l	99
31) Cyclohexane	7.63	56	60207	18.540	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	63398	18.998	ug/l	100
36) 1,1-Dichloropropene	7.77	75	50554	18.490	ug/l	98
37) Ethyl Acetate	6.89	43	48408	19.590	ug/l	99
38) Carbon Tetrachloride	7.75	117	54909	18.492	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	63545	18.723	ug/l	99
40) Benzene	8.02	78	153969	18.984	ug/l	100
41) Methacrylonitrile	7.15	41	19534m	18.850	ug/l	
42) 1,2-Dichloroethane	8.10	62	54919	19.320	ug/l	100
43) Isopropyl Acetate	8.14	43	83148	19.684	ug/l	98
44) Trichloroethene	8.82	130	42093	18.743	ug/l	97
45) 1,2-Dichloropropane	9.10	63	39530	19.687	ug/l	99
46) Dibromomethane	9.19	93	27256	19.208	ug/l	99
47) Bromodichloromethane	9.39	83	55164	19.122	ug/l	97
48) Methyl methacrylate	9.18	41	35873	18.928	ug/l	98
49) 1,4-Dioxane	9.18	88	12765	394.212	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	236351	96.669	ug/l	100
52) Toluene	10.14	92	96843	18.620	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	60677	18.634	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	65127	18.993	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	37936	18.697	ug/l	96
56) Ethyl methacrylate	10.42	69	54125	18.857	ug/l	99
57) 1,3-Dichloropropane	10.70	76	63885	19.081	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	130130	97.316	ug/l	97
59) 2-Hexanone	10.74	43	176720	93.569	ug/l	100
60) Dibromochloromethane	10.89	129	44015	18.903	ug/l	98
61) 1,2-Dibromoethane	10.99	107	39942	18.778	ug/l	99
64) Tetrachloroethene	10.62	164	39583	19.002	ug/l	99
65) Chlorobenzene	11.43	112	104472	18.713	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40228	19.048	ug/l	100
67) Ethyl Benzene	11.50	91	188379	18.709	ug/l	100
68) m/p-Xylenes	11.62	106	139469	36.906	ug/l	99
69) o-Xylene	11.94	106	67846	18.646	ug/l	99
70) Styrene	11.96	104	107882	18.386	ug/l	99
71) Bromoform	12.12	173	31898	18.778	ug/l #	97
73) Isopropylbenzene	12.25	105	184448	18.816	ug/l	99
74) N-amyl acetate	12.07	43	67012	18.958	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55263	19.586	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	50057m	19.931	ug/l	
77) Bromobenzene	12.52	156	46023	18.918	ug/l	100
78) n-propylbenzene	12.59	91	208585	18.676	ug/l	100
79) 2-Chlorotoluene	12.67	91	122937	18.728	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	154613	18.970	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19201	18.719	ug/l	98
82) 4-Chlorotoluene	12.77	91	123663	18.361	ug/l	98
83) tert-Butylbenzene	12.99	119	132170	18.331	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	155621	19.343	ug/l	100
85) sec-Butylbenzene	13.17	105	178881	18.734	ug/l	99
86) p-Isopropyltoluene	13.28	119	162889	18.828	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	80735	18.749	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	79343	18.429	ug/l	97
89) n-Butylbenzene	13.61	91	138422	18.191	ug/l	99
90) Hexachloroethane	13.87	117	29639	18.338	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	79779	18.931	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11115	18.034	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	45433	18.348	ug/l	99
94) Hexachlorobutadiene	15.01	225	26054	17.973	ug/l	99
95) Naphthalene	15.13	128	118443	17.708	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45009	18.253	ug/l	99

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

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