

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
 Data File : VN060085.D
 Acq On : 13 Feb 2020 11:24
 Operator : JC/MD
 Sample : VN0213WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 10:27:45 AM

Quant Time: Feb 14 05:26:46 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	206900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	325587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	301653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	123857	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	7.56	113	99402	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	10.08	98	386841	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.40	95	138699	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	38418	18.577	ug/l	99
3) Chloromethane	2.04	50	45807	18.612	ug/l	100
4) Vinyl Chloride	2.17	62	52024	18.545	ug/l	98
5) Bromomethane	2.55	94	31603	18.373	ug/l	97
6) Chloroethane	2.69	64	25019	17.633	ug/l	99
7) Trichlorofluoromethane	3.00	101	64813	17.920	ug/l	95
8) Diethyl Ether	3.39	74	22440	18.639	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	36900	18.376	ug/l	99
10) Methyl Iodide	3.93	142	46747	18.950	ug/l	99
11) Tert butyl alcohol	4.73	59	36237	96.183	ug/l	99
12) 1,1-Dichloroethene	3.72	96	35876	18.340	ug/l	97
13) Acrolein	3.58	56	23904	64.190	ug/l	96
14) Allyl chloride	4.30	41	52974	18.399	ug/l	96
15) Acrylonitrile	4.95	53	87819	95.448	ug/l	100
16) Acetone	3.78	43	93102	84.779	ug/l	98
17) Carbon Disulfide	4.03	76	104569	17.735	ug/l	98
18) Methyl Acetate	4.29	43	38632	18.727	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	120526	18.321	ug/l	100
20) Methylene Chloride	4.52	84	39352	17.961	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	38969	18.275	ug/l	94
22) Diisopropyl ether	5.91	45	114695	18.177	ug/l	94
23) Vinyl Acetate	5.86	43	485321	91.589	ug/l	100
24) 1,1-Dichloroethane	5.82	63	69378	18.150	ug/l	100
25) 2-Butanone	6.80	43	124841	90.389	ug/l	99
26) 2,2-Dichloropropane	6.79	77	64894	17.874	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	44689	17.908	ug/l	99
28) Bromochloromethane	7.17	49	29226	19.448	ug/l	98
29) Tetrahydrofuran	7.18	42	79455	93.774	ug/l	99
30) Chloroform	7.35	83	72591	18.129	ug/l	96
31) Cyclohexane	7.63	56	66207	18.593	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	66908	18.285	ug/l	100
36) 1,1-Dichloropropene	7.77	75	54686	18.134	ug/l	99
37) Ethyl Acetate	6.90	43	51212	18.790	ug/l	99
38) Carbon Tetrachloride	7.75	117	58792	17.951	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	67668	18.076	ug/l	98
40) Benzene	8.02	78	161773	18.084	ug/l	100
41) Methacrylonitrile	7.14	41	20189m	17.663	ug/l	
42) 1,2-Dichloroethane	8.10	62	57822	18.442	ug/l	100
43) Isopropyl Acetate	8.14	43	86383	18.541	ug/l #	92
44) Trichloroethene	8.82	130	43954	17.745	ug/l	99
45) 1,2-Dichloropropane	9.10	63	41200	18.603	ug/l	100
46) Dibromomethane	9.19	93	28315	18.092	ug/l	98
47) Bromodichloromethane	9.39	83	58276	18.315	ug/l	99
48) Methyl methacrylate	9.18	41	37116	17.756	ug/l	98
49) 1,4-Dioxane	9.18	88	14704	411.694	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	248764	92.246	ug/l	100
52) Toluene	10.14	92	103324	18.011	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	64733	18.023	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	68452	18.099	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	41097	18.363	ug/l	99
56) Ethyl methacrylate	10.42	69	58226	18.392	ug/l	99
57) 1,3-Dichloropropane	10.70	76	67659	18.322	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	137844	93.459	ug/l	100
59) 2-Hexanone	10.74	43	187611	90.061	ug/l	100
60) Dibromochloromethane	10.89	129	45265	17.625	ug/l	99
61) 1,2-Dibromoethane	11.00	107	42200	17.988	ug/l	97
64) Tetrachloroethene	10.62	164	40784	17.785	ug/l	96
65) Chlorobenzene	11.43	112	110972	18.057	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42545	18.300	ug/l	99
67) Ethyl Benzene	11.50	91	200121	18.055	ug/l	99
68) m/p-Xylenes	11.62	106	150060	36.071	ug/l	100
69) o-Xylene	11.94	106	72815	18.179	ug/l	100
70) Styrene	11.96	104	114590	17.741	ug/l	99
71) Bromoform	12.12	173	33612	17.975	ug/l #	98
73) Isopropylbenzene	12.25	105	197047	18.016	ug/l	100
74) N-amyl acetate	12.07	43	72982	18.505	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59471	18.891	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	54257m	19.362	ug/l	
77) Bromobenzene	12.52	156	48755	17.962	ug/l	99
78) n-propylbenzene	12.59	91	222909	17.888	ug/l	100
79) 2-Chlorotoluene	12.67	91	130888	17.870	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	165570	18.206	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20344	17.776	ug/l	99
82) 4-Chlorotoluene	12.77	91	133772	17.802	ug/l	99
83) tert-Butylbenzene	12.99	119	140063	17.411	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	164160	18.287	ug/l	99
85) sec-Butylbenzene	13.17	105	189040	17.743	ug/l	100
86) p-Isopropyltoluene	13.29	119	171878	17.806	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	86483	18.000	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	85216	17.739	ug/l	98
89) n-Butylbenzene	13.61	91	148473	17.487	ug/l	99
90) Hexachloroethane	13.87	117	31349	17.384	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	83822	17.827	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12289	17.863	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49710	17.992	ug/l	99
94) Hexachlorobutadiene	15.01	225	27598	17.063	ug/l	99
95) Naphthalene	15.13	128	133184	17.846	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48672	17.690	ug/l	99

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

