

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN059992.D
 Acq On : 4 Feb 2020 14:25
 Operator : JC/MD
 Sample : VN0204WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:21:16 PM

Quant Time: Feb 05 02:24:20 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	191582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	297393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132581	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	111498	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
35) Dibromofluoromethane	7.57	113	90562	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.08	98	331688	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.40	95	124355	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	36277	15.702	ug/l	99
3) Chloromethane	2.04	50	37078	16.905	ug/l	100
4) Vinyl Chloride	2.17	62	47714	19.013	ug/l	98
5) Bromomethane	2.55	94	29080	18.988	ug/l	99
6) Chloroethane	2.69	64	21967	18.502	ug/l	94
7) Trichlorofluoromethane	3.00	101	57800	19.178	ug/l	97
8) Diethyl Ether	3.39	74	21919	20.723	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33516	19.981	ug/l	93
10) Methyl Iodide	3.93	142	44305	16.341	ug/l	95
11) Tert butyl alcohol	4.73	59	38090	106.348	ug/l	99
12) 1,1-Dichloroethene	3.72	96	31120	17.755	ug/l	91
13) Acrolein	3.58	56	14188	55.960	ug/l	96
14) Allyl chloride	4.30	41	51248	21.692	ug/l	94
15) Acrylonitrile	4.95	53	86857	106.312	ug/l	98
16) Acetone	3.78	43	83903	110.019	ug/l	100
17) Carbon Disulfide	4.03	76	76695	15.360	ug/l	99
18) Methyl Acetate	4.29	43	54281	21.842	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	123600	21.628	ug/l	97
20) Methylene Chloride	4.52	84	39819	19.908	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	35222	18.904	ug/l	86
22) Diisopropyl ether	5.92	45	114172	21.325	ug/l #	92
23) Vinyl Acetate	5.86	43	438980	105.900	ug/l	96
24) 1,1-Dichloroethane	5.82	63	65704	20.084	ug/l	98
25) 2-Butanone	6.80	43	120510	100.023	ug/l	95
26) 2,2-Dichloropropane	6.79	77	61670	19.609	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	43045	20.087	ug/l	90
28) Bromochloromethane	7.17	49	26227	20.059	ug/l #	78
29) Tetrahydrofuran	7.18	42	76967	103.249	ug/l	90
30) Chloroform	7.35	83	70627	20.837	ug/l	99
31) Cyclohexane	7.63	56	56041	17.803	ug/l #	88
32) 1,1,1-Trichloroethane	7.54	97	63728	20.334	ug/l	96
36) 1,1-Dichloropropene	7.77	75	49270	19.025	ug/l	96
37) Ethyl Acetate	6.90	43	47964	19.746	ug/l	95
38) Carbon Tetrachloride	7.75	117	54967	19.511	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	57037	17.861	ug/l	95
40) Benzene	8.02	78	149489	19.355	ug/l	100
41) Methacrylonitrile	7.15	41	24001m	20.061	ug/l	
42) 1,2-Dichloroethane	8.10	62	56645	21.630	ug/l	98
43) Isopropyl Acetate	8.14	43	86524	20.709	ug/l	96
44) Trichloroethene	8.82	130	43078	20.431	ug/l	92
45) 1,2-Dichloropropane	9.10	63	40040	20.950	ug/l	97
46) Dibromomethane	9.19	93	28222	20.933	ug/l	93
47) Bromodichloromethane	9.39	83	57350	21.109	ug/l	98
48) Methyl methacrylate	9.18	41	37826	20.241	ug/l	91
49) 1,4-Dioxane	9.18	88	15463	451.987	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	255731	105.885	ug/l	96
52) Toluene	10.14	92	96873	19.856	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	64240	21.176	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	66161	20.728	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	41082	21.261	ug/l	98
56) Ethyl methacrylate	10.42	69	58758	19.901	ug/l	94
57) 1,3-Dichloropropane	10.70	76	66886	21.804	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	97164	109.260	ug/l	94
59) 2-Hexanone	10.74	43	184305	103.585	ug/l	95
60) Dibromochloromethane	10.89	129	45881	20.852	ug/l	99
61) 1,2-Dibromoethane	11.00	107	42077	20.777	ug/l	100
64) Tetrachloroethene	10.62	164	42944	19.321	ug/l	96
65) Chlorobenzene	11.43	112	106835	19.930	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42312	20.428	ug/l	97
67) Ethyl Benzene	11.50	91	191462	19.676	ug/l	99
68) m/p-Xylenes	11.62	106	141484	38.491	ug/l	95
69) o-Xylene	11.94	106	70280	19.530	ug/l	94
70) Styrene	11.96	104	112822	18.736	ug/l	98
71) Bromoform	12.12	173	34111	20.560	ug/l #	100
73) Isopropylbenzene	12.25	105	185609	19.089	ug/l	100
74) N-amyl acetate	12.07	43	71855	19.045	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	57281	20.321	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	55598m	24.918	ug/l	
77) Bromobenzene	12.52	156	48859	19.842	ug/l	84
78) n-propylbenzene	12.59	91	212729	19.492	ug/l	98
79) 2-Chlorotoluene	12.67	91	126963	19.555	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	158161	19.341	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20732	19.954	ug/l	98
82) 4-Chlorotoluene	12.77	91	130316	20.012	ug/l	96
83) tert-Butylbenzene	12.99	119	137741	19.476	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	158530	19.596	ug/l	99
85) sec-Butylbenzene	13.17	105	180467	19.422	ug/l	99
86) p-Isopropyltoluene	13.29	119	165397	19.237	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	85171	19.913	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	85286	19.988	ug/l	97
89) n-Butylbenzene	13.61	91	143394	19.560	ug/l	98
90) Hexachloroethane	13.87	117	30063	18.688	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	84982	20.097	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12977	20.204	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	51460	20.253	ug/l	98
94) Hexachlorobutadiene	15.01	225	27670	19.762	ug/l	98
95) Naphthalene	15.13	128	148999	20.617	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	51218	20.710	ug/l	99

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

