

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080619\
 Data File : VN057092.D
 Acq On : 6 Aug 2019 10:51
 Operator : JC/SP
 Sample : VN0806WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Manual Integrations
 APPROVED

MMdadoda
 8/9/2019 12:51:33 AM

Quant Time: Aug 07 03:38:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	487798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	700078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	608091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	231643	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	238856	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
35) Dibromofluoromethane	7.58	113	224026	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.08	98	813369	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	12.40	95	257318	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	97681	19.808	ug/l	97
3) Chloromethane	2.05	50	103631	17.549	ug/l	100
4) Vinyl Chloride	2.18	62	98018	17.702	ug/l	100
5) Bromomethane	2.54	94	63369	18.409	ug/l	97
6) Chloroethane	2.69	64	55445	18.165	ug/l	98
7) Trichlorofluoromethane	3.00	101	144979	20.003	ug/l	99
8) Diethyl Ether	3.40	74	55092	20.310	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	91988	20.470	ug/l	100
10) Methyl Iodide	3.94	142	100185	16.685	ug/l	99
11) Tert butyl alcohol	4.76	59	65190m	96.587	ug/l	
12) 1,1-Dichloroethene	3.72	96	83495	19.473	ug/l	97
13) Acrolein	3.60	56	20065	56.007	ug/l	98
14) Allyl chloride	4.30	41	128428	18.414	ug/l	97
15) Acrylonitrile	4.97	53	197225	99.645	ug/l	100
16) Acetone	3.80	43	183257	101.305	ug/l	100
17) Carbon Disulfide	4.03	76	180477	15.840	ug/l	99
18) Methyl Acetate	4.31	43	117292	20.325	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	265794	20.790	ug/l	96
20) Methylene Chloride	4.54	84	99873	19.167	ug/l	93
21) trans-1,2-Dichloroethene	5.02	96	87806	19.282	ug/l	99
22) Diisopropyl ether	5.93	45	285458	19.864	ug/l	97
23) Vinyl Acetate	5.88	43	972432	97.666	ug/l	98
24) 1,1-Dichloroethane	5.83	63	170408	20.098	ug/l	98
25) 2-Butanone	6.82	43	252382	98.390	ug/l	97
26) 2,2-Dichloropropane	6.81	77	129448	20.079	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	106816	19.832	ug/l	99
28) Bromochloromethane	7.18	49	73353	18.406	ug/l	98
29) Tetrahydrofuran	7.20	42	160901	96.141	ug/l	98
30) Chloroform	7.36	83	171686	19.805	ug/l	99
31) Cyclohexane	7.64	56	144571	17.620	ug/l	# 92
32) 1,1,1-Trichloroethane	7.56	97	139919	20.229	ug/l	99
36) 1,1-Dichloropropene	7.78	75	121332	19.696	ug/l	99
37) Ethyl Acetate	6.91	43	98701	20.005	ug/l	99
38) Carbon Tetrachloride	7.76	117	121857	20.913	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	146534	18.612	ug/l	99
40) Benzene	8.03	78	379137	19.982	ug/l	97
41) Methacrylonitrile	7.16	41	47781	20.949	ug/l	93
42) 1,2-Dichloroethane	8.11	62	124617	20.956	ug/l	98
43) Isopropyl Acetate	8.15	43	162457	19.922	ug/l	98
44) Trichloroethene	8.83	130	105955	20.270	ug/l	98
45) 1,2-Dichloropropane	9.11	63	99913	19.687	ug/l	99
46) Dibromomethane	9.20	93	64975	21.230	ug/l	97
47) Bromodichloromethane	9.39	83	128306	21.322	ug/l	99
48) Methyl methacrylate	9.19	41	79619	20.223	ug/l	98
49) 1,4-Dioxane	9.19	88	33971	418.700	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	488461	100.813	ug/l	100
52) Toluene	10.15	92	236578	20.753	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	130689	20.929	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	149484	20.589	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	94677	20.710	ug/l	98
56) Ethyl methacrylate	10.42	69	129322	19.833	ug/l	99
57) 1,3-Dichloropropane	10.70	76	155452	20.506	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	202637	73.968	ug/l	99
59) 2-Hexanone	10.74	43	343357	93.601	ug/l	98
60) Dibromochloromethane	10.90	129	101681	21.710	ug/l	99
61) 1,2-Dibromoethane	11.00	107	94088	21.090	ug/l	99
64) Tetrachloroethene	10.63	164	108552	20.715	ug/l	96
65) Chlorobenzene	11.43	112	255588	20.622	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	101551	21.770	ug/l	98
67) Ethyl Benzene	11.51	91	437728	20.435	ug/l	100
68) m/p-Xylenes	11.62	106	329040	41.623	ug/l	100
69) o-Xylene	11.94	106	163331	21.118	ug/l	98
70) Styrene	11.96	104	260102	20.183	ug/l	99
71) Bromoform	12.12	173	69448	21.324	ug/l #	99
73) Isopropylbenzene	12.25	105	436744	21.816	ug/l	99
74) N-amyl acetate	12.07	43	123221	21.198	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	120475	22.398	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	105090m	22.339	ug/l	
77) Bromobenzene	12.52	156	113621	21.746	ug/l	99
78) n-propylbenzene	12.59	91	453825	21.231	ug/l	99
79) 2-Chlorotoluene	12.67	91	280699	21.326	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	366031	22.277	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	31867	21.765	ug/l	96
82) 4-Chlorotoluene	12.77	91	263389	21.383	ug/l	99
83) tert-Butylbenzene	12.99	119	329884	22.680	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	346699	21.929	ug/l	100
85) sec-Butylbenzene	13.17	105	405753	21.627	ug/l	99
86) p-Isopropyltoluene	13.29	119	359537	21.585	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	163756	20.604	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	156969	20.516	ug/l	100
89) n-Butylbenzene	13.61	91	257374	20.049	ug/l	99
90) Hexachloroethane	13.87	117	63652	22.193	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	163943	20.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16247	20.404	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56877	16.042	ug/l	96
94) Hexachlorobutadiene	15.00	225	69103	23.533	ug/l	100
95) Naphthalene	15.12	128	133428	16.172	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	64894	17.311	ug/l	99

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

