

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042419\
 Data File : VN055218.D
 Acq On : 24 Apr 2019 11:04
 Operator : JC/SP
 Sample : VN0424WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 12:40:02 PM

Quant Time: Apr 25 04:34:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	414179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	654727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	558186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	210058	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	276775	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	7.59	113	219438	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	10.09	98	800254	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
62) 4-Bromofluorobenzene	12.40	95	251761	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	114668	21.503	ug/l	99
3) Chloromethane	2.06	50	129310	19.789	ug/l	99
4) Vinyl Chloride	2.19	62	103168	19.703	ug/l	97
5) Bromomethane	2.56	94	56094	18.473	ug/l	100
6) Chloroethane	2.70	64	53515	19.391	ug/l	100
7) Trichlorofluoromethane	3.02	101	143126	20.087	ug/l	100
8) Diethyl Ether	3.42	74	52893	20.797	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	88747	19.959	ug/l	99
10) Methyl Iodide	3.95	142	124832	20.020	ug/l	100
11) Tert butyl alcohol	4.79	59	36975	112.974	ug/l	98
12) 1,1-Dichloroethene	3.74	96	83305	19.550	ug/l	97
13) Acrolein	3.61	56	44285	96.339	ug/l	96
14) Allyl chloride	4.33	41	169117	20.076	ug/l	100
15) Acrylonitrile	4.99	53	190131	105.927	ug/l	99
16) Acetone	3.82	43	181032	97.684	ug/l	97
17) Carbon Disulfide	4.05	76	224166	18.817	ug/l	100
18) Methyl Acetate	4.33	43	93214	22.794	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	247614	21.017	ug/l	98
20) Methylene Chloride	4.55	84	102344	19.209	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	88928	19.902	ug/l	98
22) Diisopropyl ether	5.95	45	347068	20.669	ug/l	95
23) Vinyl Acetate	5.90	43	1210291	107.259	ug/l	99
24) 1,1-Dichloroethane	5.85	63	180850	20.024	ug/l	99
25) 2-Butanone	6.84	43	248355	103.801	ug/l	98
26) 2,2-Dichloropropane	6.82	77	122368	20.021	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	101338	19.674	ug/l	98
28) Bromochloromethane	7.20	49	94990	20.632	ug/l	99
29) Tetrahydrofuran	7.22	42	160975	109.427	ug/l	100
30) Chloroform	7.37	83	171939	20.013	ug/l	96
31) Cyclohexane	7.66	56	170346	19.348	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	141226	20.461	ug/l	98
36) 1,1-Dichloropropene	7.79	75	124577	20.500	ug/l	99
37) Ethyl Acetate	6.93	43	105466	21.505	ug/l	97
38) Carbon Tetrachloride	7.77	117	117616	20.668	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	140707	19.409	ug/l	98
40) Benzene	8.04	78	386521	20.605	ug/l	98
41) Methacrylonitrile	7.17	41	45060	17.525	ug/l #	78
42) 1,2-Dichloroethane	8.12	62	135531	20.709	ug/l	100
43) Isopropyl Acetate	8.17	43	178705	22.502	ug/l	98
44) Trichloroethene	8.84	130	93566	19.734	ug/l	100
45) 1,2-Dichloropropane	9.12	63	107696	20.338	ug/l	99
46) Dibromomethane	9.21	93	62068	20.476	ug/l	99
47) Bromodichloromethane	9.40	83	123871	20.413	ug/l	97
48) Methyl methacrylate	9.20	41	85136	22.100	ug/l	95
49) 1,4-Dioxane	9.20	88	19326	434.418	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	496023	108.543	ug/l	100
52) Toluene	10.16	92	220635	20.063	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	117047	21.018	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	142642	20.640	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	84055	20.732	ug/l	99
56) Ethyl methacrylate	10.43	69	109639	21.708	ug/l	100
57) 1,3-Dichloropropane	10.71	76	146402	20.755	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	154671	87.171	ug/l	98
59) 2-Hexanone	10.75	43	319893	110.823	ug/l	100
60) Dibromochloromethane	10.90	129	84566	20.250	ug/l	99
61) 1,2-Dibromoethane	11.00	107	80426	21.099	ug/l	98
64) Tetrachloroethene	10.63	164	92092	20.224	ug/l	98
65) Chlorobenzene	11.43	112	224983	19.747	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	85776	20.313	ug/l	99
67) Ethyl Benzene	11.51	91	407066	20.058	ug/l	98
68) m/p-Xylenes	11.62	106	296780	40.772	ug/l	99
69) o-Xylene	11.95	106	147852	20.468	ug/l	100
70) Styrene	11.96	104	234139	20.911	ug/l	99
71) Bromoform	12.13	173	52215	20.721	ug/l #	99
73) Isopropylbenzene	12.25	105	394710	22.128	ug/l	99
74) N-amyl acetate	12.07	43	116017	21.422	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	106817	23.722	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	86537m	20.307	ug/l	
77) Bromobenzene	12.53	156	91072	19.639	ug/l	98
78) n-propylbenzene	12.59	91	416824	19.787	ug/l	100
79) 2-Chlorotoluene	12.67	91	262659	19.746	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	317946	20.219	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22618	20.120	ug/l	98
82) 4-Chlorotoluene	12.77	91	245082	20.025	ug/l	99
83) tert-Butylbenzene	12.99	119	270227	21.622	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	302871	20.410	ug/l	98
85) sec-Butylbenzene	13.17	105	348585	19.595	ug/l	99
86) p-Isopropyltoluene	13.29	119	291374	19.880	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	142289	19.988	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	134529	19.410	ug/l	99
89) n-Butylbenzene	13.61	91	213484	19.651	ug/l	97
90) Hexachloroethane	13.87	117	50641	19.482	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	141613	19.368	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12764	20.011	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45700	16.722	ug/l	99
94) Hexachlorobutadiene	15.01	225	46819	20.634	ug/l	100
95) Naphthalene	15.13	128	101965	17.466	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50340	17.835	ug/l	99

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

