

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041819\
 Data File : VN055117.D
 Acq On : 18 Apr 2019 11:13
 Operator : JC/SP
 Sample : VN0418WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 5:46:50 PM

Quant Time: Apr 19 09:11:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	382203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	624225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	542526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	219812	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	261747	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	7.59	113	210093	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	10.09	98	751910	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.40	95	253197	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	82566	19.009	ug/l	100
3) Chloromethane	2.06	50	107850	19.037	ug/l	99
4) Vinyl Chloride	2.19	62	85849	18.029	ug/l	100
5) Bromomethane	2.56	94	48324	17.939	ug/l	98
6) Chloroethane	2.70	64	47565	18.523	ug/l	98
7) Trichlorofluoromethane	3.02	101	115530	19.400	ug/l	100
8) Diethyl Ether	3.41	74	37550	19.753	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	59694	19.154	ug/l	98
10) Methyl Iodide	3.94	142	85719	17.724	ug/l	99
11) Tert butyl alcohol	4.82	59	31948	114.724	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	55398	18.262	ug/l	96
13) Acrolein	3.60	56	23886	69.393	ug/l	100
14) Allyl chloride	4.31	41	149475	20.130	ug/l	100
15) Acrylonitrile	4.99	53	175488	105.327	ug/l	99
16) Acetone	3.82	43	138064	100.125	ug/l	100
17) Carbon Disulfide	4.04	76	168146	17.171	ug/l	99
18) Methyl Acetate	4.33	43	90463	22.522	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	224997	20.734	ug/l	100
20) Methylene Chloride	4.54	84	91172	18.809	ug/l	94
21) trans-1,2-Dichloroethene	5.03	96	76798	18.718	ug/l	92
22) Diisopropyl ether	5.96	45	312283	20.458	ug/l	97
23) Vinyl Acetate	5.90	43	1074431	106.488	ug/l	99
24) 1,1-Dichloroethane	5.85	63	162416	19.980	ug/l	98
25) 2-Butanone	6.85	43	225873	109.753	ug/l	97
26) 2,2-Dichloropropane	6.82	77	101381	19.760	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	91249	19.658	ug/l	98
28) Bromochloromethane	7.19	49	78311	19.985	ug/l #	97
29) Tetrahydrofuran	7.22	42	143804	106.554	ug/l	100
30) Chloroform	7.37	83	155065	19.639	ug/l	96
31) Cyclohexane	7.65	56	143906	19.255	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	124063	19.832	ug/l	99
36) 1,1-Dichloropropene	7.79	75	108022	18.357	ug/l	98
37) Ethyl Acetate	6.94	43	91918	19.187	ug/l	96
38) Carbon Tetrachloride	7.77	117	103845	18.549	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	118372	18.564	ug/l	99
40) Benzene	8.04	78	351166	19.801	ug/l	100
41) Methacrylonitrile	7.18	41	52082	19.585	ug/l	96
42) 1,2-Dichloroethane	8.12	62	123818	20.108	ug/l	99
43) Isopropyl Acetate	8.17	43	157799	21.377	ug/l	99
44) Trichloroethene	8.83	130	88947	20.023	ug/l	92
45) 1,2-Dichloropropane	9.12	63	99275	20.072	ug/l	99
46) Dibromomethane	9.21	93	56470	20.058	ug/l	95
47) Bromodichloromethane	9.40	83	114532	19.732	ug/l	100
48) Methyl methacrylate	9.20	41	77351	21.141	ug/l	99
49) 1,4-Dioxane	9.20	88	18142	529.250	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	464978	109.032	ug/l	98
52) Toluene	10.15	92	203591	20.043	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	101483	20.007	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	127547	20.260	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	81665	20.867	ug/l	97
56) Ethyl methacrylate	10.43	69	98865	21.050	ug/l	99
57) 1,3-Dichloropropane	10.71	76	136751	20.524	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	183367	95.808	ug/l	100
59) 2-Hexanone	10.75	43	296649	110.749	ug/l	97
60) Dibromochloromethane	10.90	129	78832	20.629	ug/l	97
61) 1,2-Dibromoethane	11.01	107	73975	20.537	ug/l	100
64) Tetrachloroethene	10.63	164	84374	19.125	ug/l	98
65) Chlorobenzene	11.43	112	218836	20.039	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	77334	19.254	ug/l	97
67) Ethyl Benzene	11.51	91	381180	19.546	ug/l	100
68) m/p-Xylenes	11.62	106	284273	40.254	ug/l	100
69) o-Xylene	11.95	106	138378	20.231	ug/l	100
70) Styrene	11.96	104	228230	20.614	ug/l	99
71) Bromoform	12.13	173	48904	21.242	ug/l #	98
73) Isopropylbenzene	12.25	105	373273	19.137	ug/l	98
74) N-amyl acetate	12.07	43	116255	21.173	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	101157	19.381	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	88462m	22.380	ug/l	
77) Bromobenzene	12.53	156	90126	18.534	ug/l	99
78) n-propylbenzene	12.59	91	403909	19.166	ug/l	99
79) 2-Chlorotoluene	12.67	91	252742	19.228	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	306360	19.463	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20369	20.607	ug/l	99
82) 4-Chlorotoluene	12.77	91	239462	19.526	ug/l	100
83) tert-Butylbenzene	12.99	119	260509	19.597	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	297420	19.938	ug/l	99
85) sec-Butylbenzene	13.17	105	333518	19.689	ug/l	99
86) p-Isopropyltoluene	13.29	119	288141	19.827	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	148556	20.099	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	137983	19.577	ug/l	98
89) n-Butylbenzene	13.61	91	216654	20.082	ug/l	99
90) Hexachloroethane	13.87	117	44472	18.807	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	152550	20.513	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13602	21.163	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	57399	18.792	ug/l	99
94) Hexachlorobutadiene	15.01	225	48864	21.273	ug/l	98
95) Naphthalene	15.13	128	121171	17.498	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	61153	21.316	ug/l	98

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

