

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072318\
 Data File : VN050003.D
 Acq On : 23 Jul 2018 10:45
 Operator : MD\SY
 Sample : VN0723WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBSD01

Manual Integrations
 APPROVED

sam
 7/24/2018 5:46:52 PM

Quant Time: Jul 24 05:03:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	580935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	854152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	768938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	389803	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	387654	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	7.59	113	343491	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	10.09	98	1219334	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
62) 4-Bromofluorobenzene	12.40	95	411531	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	91978	16.40	ug/l	96
3) Chloromethane	2.06	50	120308	15.17	ug/l	99
4) Vinyl Chloride	2.18	62	134225	15.87	ug/l	99
5) Bromomethane	2.56	94	86318	17.00	ug/l	99
6) Chloroethane	2.70	64	90060	16.30	ug/l	100
7) Trichlorofluoromethane	3.01	101	196703	16.92	ug/l	98
8) Diethyl Ether	3.41	74	74949	18.48	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	127372	17.77	ug/l	100
10) Methyl Iodide	3.95	142	136853	14.23	ug/l	98
11) Tert butyl alcohol	4.81	59	54534	95.87	ug/l	100
12) 1,1-Dichloroethene	3.73	96	107403	17.05	ug/l	99
13) Acrolein	3.61	56	20307	55.40	ug/l	95
14) Allyl chloride	4.32	41	178645	17.99	ug/l	98
15) Acrylonitrile	4.99	53	241466	96.52	ug/l	99
16) Acetone	3.82	43	195727	94.68	ug/l	96
17) Carbon Disulfide	4.04	76	268585	14.25	ug/l	100
18) Methyl Acetate	4.33	43	147359	22.23	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	339608	19.60	ug/l	99
20) Methylene Chloride	4.55	84	135167	17.19	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	116868	17.47	ug/l	99
22) Diisopropyl ether	5.96	45	403896	19.94	ug/l	100
23) Vinyl Acetate	5.90	43	1338815	94.18	ug/l	100
24) 1,1-Dichloroethane	5.85	63	243041	18.69	ug/l	99
25) 2-Butanone	6.84	43	287256	97.23	ug/l	98
26) 2,2-Dichloropropane	6.82	77	199148	19.68	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	139248	18.97	ug/l	99
28) Bromochloromethane	7.20	49	121183	20.63	ug/l	99
29) Tetrahydrofuran	7.22	42	179217	96.29	ug/l	99
30) Chloroform	7.37	83	253035	18.95	ug/l	99
31) Cyclohexane	7.65	56	180363	17.04	ug/l	# 92
32) 1,1,1-Trichloroethane	7.57	97	206403	17.88	ug/l	99
36) 1,1-Dichloropropene	7.79	75	169621	17.86	ug/l	99
37) Ethyl Acetate	6.94	43	122686	18.81	ug/l	99
38) Carbon Tetrachloride	7.77	117	184135	18.10	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	166594	16.98	ug/l	97
40) Benzene	8.04	78	536703	18.54	ug/l	100
41) Methacrylonitrile	7.18	41	63846	19.53	ug/l	96
42) 1,2-Dichloroethane	8.13	62	181166	18.90	ug/l	99
43) Isopropyl Acetate	8.17	43	229317	20.13	ug/l	99
44) Trichloroethene	8.83	130	137826	18.16	ug/l	96
45) 1,2-Dichloropropane	9.12	63	148468	19.01	ug/l	99
46) Dibromomethane	9.21	93	90758	18.74	ug/l	96
47) Bromodichloromethane	9.40	83	192750	19.25	ug/l	96
48) Methyl methacrylate	9.20	41	107611	18.83	ug/l	99
49) 1,4-Dioxane	9.20	88	30515	376.37	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	631090	99.09	ug/l	100
52) Toluene	10.16	92	326665	18.92	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	187155	18.90	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	212535	19.42	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	135956	19.06	ug/l	99
56) Ethyl methacrylate	10.43	69	156715	17.81	ug/l	98
57) 1,3-Dichloropropane	10.71	76	214083	19.06	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	396703	94.42	ug/l	99
59) 2-Hexanone	10.75	43	418468	97.82	ug/l	98
60) Dibromochloromethane	10.90	129	146390	18.71	ug/l	99
61) 1,2-Dibromoethane	11.01	107	124890	18.74	ug/l	98
64) Tetrachloroethene	10.63	164	134160	19.42	ug/l	99
65) Chlorobenzene	11.44	112	361149	18.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	142797	19.08	ug/l	99
67) Ethyl Benzene	11.51	91	583227	18.61	ug/l	99
68) m/p-Xylenes	11.62	106	456400	38.47	ug/l	98
69) o-Xylene	11.95	106	218501	19.18	ug/l	97
70) Styrene	11.97	104	355667	19.27	ug/l	100
71) Bromoform	12.13	173	103839	19.40	ug/l #	96
73) Isopropylbenzene	12.25	105	584006	19.72	ug/l	100
74) N-amyl acetate	12.07	43	169041	18.76	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	170657	19.24	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	146173m	19.99	ug/l	
77) Bromobenzene	12.53	156	157327	19.24	ug/l	99
78) n-propylbenzene	12.59	91	676117	20.08	ug/l	100
79) 2-Chlorotoluene	12.68	91	415128	20.08	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	481602	20.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	44019	18.82	ug/l	97
82) 4-Chlorotoluene	12.77	91	409636	19.75	ug/l	98
83) tert-Butylbenzene	12.99	119	417779	20.04	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	494786	20.58	ug/l	100
85) sec-Butylbenzene	13.17	105	562522	20.42	ug/l	99
86) p-Isopropyltoluene	13.29	119	475463	20.25	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	271628	19.07	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	266373	18.65	ug/l	99
89) n-Butylbenzene	13.62	91	376338	19.41	ug/l	99
90) Hexachloroethane	13.88	117	97046	18.42	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	274334	19.59	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26332	19.21	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	121705	18.14	ug/l	99
94) Hexachlorobutadiene	15.01	225	86103	18.76	ug/l	99
95) Naphthalene	15.14	128	248745	16.75	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	127390	18.96	ug/l	99

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

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