

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
 Data File : VN055084.D
 Acq On : 16 Apr 2019 17:45
 Operator : JC/SP
 Sample : VN0416WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 4:23:10 AM

Quant Time: Apr 17 03:10:40 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	383194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	649726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	557338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	217933	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	261915	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.59	113	209283	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.09	98	769089	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.40	95	247338	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	86967	19.970	ug/l	98
3) Chloromethane	2.06	50	114482	20.155	ug/l	98
4) Vinyl Chloride	2.19	62	95686	20.043	ug/l	99
5) Bromomethane	2.56	94	53391	19.768	ug/l	98
6) Chloroethane	2.71	64	53722	20.866	ug/l	93
7) Trichlorofluoromethane	3.02	101	118938	19.920	ug/l	100
8) Diethyl Ether	3.41	74	37101	19.467	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	61385	19.646	ug/l	98
10) Methyl Iodide	3.94	142	110274	22.742	ug/l	95
11) Tert butyl alcohol	4.82	59	28118	100.710	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	59724	19.637	ug/l	95
13) Acrolein	3.61	56	28138	81.535	ug/l	99
14) Allyl chloride	4.31	41	149165	20.036	ug/l	100
15) Acrylonitrile	4.99	53	168563	100.909	ug/l	100
16) Acetone	3.82	43	110706	80.077	ug/l	96
17) Carbon Disulfide	4.04	76	187546	19.102	ug/l	98
18) Methyl Acetate	4.33	43	83547	20.712	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	225215	20.700	ug/l	97
20) Methylene Chloride	4.54	84	97619	20.086	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	82978	20.172	ug/l	91
22) Diisopropyl ether	5.96	45	322959	21.103	ug/l	98
23) Vinyl Acetate	5.90	43	1072543	106.025	ug/l	100
24) 1,1-Dichloroethane	5.85	63	169584	20.808	ug/l	99
25) 2-Butanone	6.85	43	198517	96.211	ug/l	99
26) 2,2-Dichloropropane	6.82	77	96179	18.698	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	95078	20.430	ug/l	99
28) Bromochloromethane	7.19	49	79056	20.123	ug/l	100
29) Tetrahydrofuran	7.22	42	134829	99.646	ug/l	99
30) Chloroform	7.37	83	163267	20.624	ug/l	99
31) Cyclohexane	7.65	56	154712	20.741	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	130289	20.773	ug/l	99
36) 1,1-Dichloropropene	7.79	75	114175	18.641	ug/l	100
37) Ethyl Acetate	6.94	43	83979	16.842	ug/l	99
38) Carbon Tetrachloride	7.77	117	107850	18.508	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	120774	18.197	ug/l	97
40) Benzene	8.04	78	363977	19.717	ug/l	100
41) Methacrylonitrile	7.18	41	50883	18.383	ug/l	95
42) 1,2-Dichloroethane	8.12	62	125682	19.610	ug/l	99
43) Isopropyl Acetate	8.17	43	148572	19.337	ug/l	99
44) Trichloroethene	8.83	130	93052	20.125	ug/l	97
45) 1,2-Dichloropropane	9.12	63	103068	20.021	ug/l	99
46) Dibromomethane	9.21	93	57905	19.761	ug/l	99
47) Bromodichloromethane	9.40	83	117057	19.376	ug/l	100
48) Methyl methacrylate	9.20	41	73908	19.407	ug/l	98
49) 1,4-Dioxane	9.20	88	15942	446.817	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	430631	97.014	ug/l	98
52) Toluene	10.15	92	212082	20.060	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	101763	19.275	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	130869	19.972	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	80132	19.672	ug/l	99
56) Ethyl methacrylate	10.43	69	96412	19.722	ug/l	99
57) 1,3-Dichloropropane	10.71	76	139809	20.159	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	176398	89.363	ug/l	98
59) 2-Hexanone	10.75	43	260554	93.455	ug/l	98
60) Dibromochloromethane	10.90	129	77922	19.590	ug/l	98
61) 1,2-Dibromoethane	11.00	107	73966	19.728	ug/l	98
64) Tetrachloroethene	10.63	164	84395	18.622	ug/l	95
65) Chlorobenzene	11.43	112	221445	19.739	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82183	19.917	ug/l	100
67) Ethyl Benzene	11.51	91	387473	19.340	ug/l	99
68) m/p-Xylenes	11.62	106	286934	39.551	ug/l	100
69) o-Xylene	11.95	106	140908	20.053	ug/l	100
70) Styrene	11.96	104	230873	20.298	ug/l	98
71) Bromoform	12.13	173	46123	19.502	ug/l #	99
73) Isopropylbenzene	12.25	105	372600	19.267	ug/l	99
74) N-amyl acetate	12.07	43	108783	19.983	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	97804	18.900	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	77849m	19.865	ug/l	
77) Bromobenzene	12.53	156	92433	19.172	ug/l	98
78) n-propylbenzene	12.59	91	395777	18.942	ug/l	100
79) 2-Chlorotoluene	12.67	91	252185	19.351	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	303074	19.420	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19267	19.660	ug/l	94
82) 4-Chlorotoluene	12.77	91	235497	19.368	ug/l	98
83) tert-Butylbenzene	12.99	119	254983	19.346	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	291954	19.740	ug/l	100
85) sec-Butylbenzene	13.17	105	325603	19.388	ug/l	100
86) p-Isopropyltoluene	13.29	119	278429	19.324	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	142689	19.471	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	139245	19.926	ug/l	98
89) n-Butylbenzene	13.61	91	201741	18.861	ug/l	99
90) Hexachloroethane	13.87	117	44220	18.862	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	145736	19.766	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12624	19.811	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	53463	17.817	ug/l	100
94) Hexachlorobutadiene	15.01	225	43865	19.262	ug/l	100
95) Naphthalene	15.13	128	115600	16.954	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	55486	19.507	ug/l	99

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

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