

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055434.D
 Acq On : 7 May 2019 13:48
 Operator : JC/SP
 Sample : VN0507WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:21:48 AM

Quant Time: May 08 06:45:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	358113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	561226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	481670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182143	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	235480	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	7.59	113	182233	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
50) Toluene-d8	10.09	98	641728	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
62) 4-Bromofluorobenzene	12.40	95	211208	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	78406	17.870	ug/l	97
3) Chloromethane	2.06	50	87579	16.120	ug/l	100
4) Vinyl Chloride	2.19	62	77225	17.633	ug/l	100
5) Bromomethane	2.57	94	42878	18.484	ug/l	97
6) Chloroethane	2.71	64	42145	17.764	ug/l	96
7) Trichlorofluoromethane	3.02	101	116506	18.709	ug/l	97
8) Diethyl Ether	3.42	74	44959	20.635	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	70084	18.899	ug/l	98
10) Methyl Iodide	3.96	142	91744	17.579	ug/l	99
11) Tert butyl alcohol	4.80	59	32104	119.690	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	66356	18.758	ug/l	99
13) Acrolein	3.62	56	11403	54.436	ug/l	94
14) Allyl chloride	4.33	41	142778	19.488	ug/l	100
15) Acrylonitrile	5.00	53	165415	109.716	ug/l	99
16) Acetone	3.82	43	144661	99.099	ug/l	99
17) Carbon Disulfide	4.06	76	139204	15.078	ug/l	100
18) Methyl Acetate	4.33	43	87013	23.929	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	213339	21.452	ug/l	98
20) Methylene Chloride	4.56	84	81769	18.352	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	70300	18.764	ug/l	94
22) Diisopropyl ether	5.95	45	306467	21.052	ug/l	92
23) Vinyl Acetate	5.90	43	1014880	106.372	ug/l	99
24) 1,1-Dichloroethane	5.85	63	156520	20.180	ug/l	98
25) 2-Butanone	6.84	43	207325	111.056	ug/l	98
26) 2,2-Dichloropropane	6.83	77	104845	19.575	ug/l	80
27) cis-1,2-Dichloroethene	6.83	96	85565	20.083	ug/l	99
28) Bromochloromethane	7.20	49	79014	20.210	ug/l	100
29) Tetrahydrofuran	7.22	42	137793	115.270	ug/l	98
30) Chloroform	7.37	83	149127	20.282	ug/l	100
31) Cyclohexane	7.66	56	135839	18.433	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	116271	19.485	ug/l	98
36) 1,1-Dichloropropene	7.80	75	96159	17.888	ug/l	98
37) Ethyl Acetate	6.93	43	91968	22.322	ug/l #	96
38) Carbon Tetrachloride	7.78	117	98067	18.911	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	111899	19.578	ug/l	98
40) Benzene	8.04	78	317794	20.054	ug/l	99
41) Methacrylonitrile	7.18	41	45629	20.900	ug/l	93
42) 1,2-Dichloroethane	8.12	62	113852	20.285	ug/l	98
43) Isopropyl Acetate	8.17	43	153493	23.182	ug/l	97
44) Trichloroethene	8.84	130	77900	19.283	ug/l	98
45) 1,2-Dichloropropane	9.12	63	92632	20.267	ug/l	99
46) Dibromomethane	9.21	93	51237	20.509	ug/l	98
47) Bromodichloromethane	9.40	83	111886	20.876	ug/l	99
48) Methyl methacrylate	9.20	41	71989	22.117	ug/l	99
49) 1,4-Dioxane	9.20	88	16427	488.210	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	432758	116.090	ug/l	98
52) Toluene	10.16	92	180714	19.875	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	94714	20.357	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	118332	20.399	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	70600	20.909	ug/l	98
56) Ethyl methacrylate	10.43	69	93213	22.429	ug/l	98
57) 1,3-Dichloropropane	10.71	76	124984	21.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	96871	83.785	ug/l	99
59) 2-Hexanone	10.75	43	274739	117.792	ug/l	99
60) Dibromochloromethane	10.90	129	73764	21.375	ug/l	99
61) 1,2-Dibromoethane	11.01	107	63830	20.453	ug/l	97
64) Tetrachloroethene	10.63	164	75625	19.199	ug/l	99
65) Chlorobenzene	11.43	112	182149	19.342	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	72022	19.531	ug/l	98
67) Ethyl Benzene	11.51	91	332816	19.571	ug/l	100
68) m/p-Xylenes	11.62	106	242359	39.927	ug/l	98
69) o-Xylene	11.95	106	120971	20.107	ug/l	99
70) Styrene	11.96	104	189288	20.491	ug/l	98
71) Bromoform	12.13	173	44384	21.691	ug/l #	99
73) Isopropylbenzene	12.25	105	330387	20.960	ug/l	99
74) N-amyl acetate	12.07	43	100867	21.578	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	86619	22.236	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	81774m	22.783	ug/l	
77) Bromobenzene	12.53	156	75484	20.419	ug/l	98
78) n-propylbenzene	12.59	91	353036	18.869	ug/l	99
79) 2-Chlorotoluene	12.67	91	222305	20.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	271698	19.027	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19145	19.919	ug/l	90
82) 4-Chlorotoluene	12.77	91	206429	18.976	ug/l	99
83) tert-Butylbenzene	12.99	119	237095	21.817	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	254369	19.918	ug/l	100
85) sec-Butylbenzene	13.17	105	310057	19.977	ug/l	99
86) p-Isopropyltoluene	13.29	119	253355	19.861	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	118459	19.436	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	112468	19.594	ug/l	99
89) n-Butylbenzene	13.61	91	179169	19.766	ug/l	98
90) Hexachloroethane	13.87	117	43811	20.769	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	120519	19.951	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11891	24.815	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	38119	18.257	ug/l	97
94) Hexachlorobutadiene	15.01	225	45893	23.779	ug/l	97
95) Naphthalene	15.13	128	74747	17.109	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	42695	19.866	ug/l	99

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

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