

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042919\
 Data File : VN055288.D
 Acq On : 29 Apr 2019 12:23
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:59:14 AM

Quant Time: Apr 30 04:40:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 04:20:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	452314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	717606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	626312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	260523	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	287638	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	7.59	113	231102	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.09	98	856808	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.40	95	287518	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	285776	51.567	ug/l	100
3) Chloromethane	2.06	50	335689	48.919	ug/l	100
4) Vinyl Chloride	2.19	62	265274	47.957	ug/l	100
5) Bromomethane	2.56	94	149729	51.102	ug/l	96
6) Chloroethane	2.70	64	142203	47.456	ug/l	95
7) Trichlorofluoromethane	3.02	101	374002	47.549	ug/l	99
8) Diethyl Ether	3.41	74	135392	49.200	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	228403	48.764	ug/l	99
10) Methyl Iodide	3.96	142	336400	51.034	ug/l	99
11) Tert butyl alcohol	4.79	59	85528	252.458	ug/l	97
12) 1,1-Dichloroethene	3.74	96	221467	49.566	ug/l	98
13) Acrolein	3.61	56	62256	235.305	ug/l	98
14) Allyl chloride	4.33	41	463775	50.117	ug/l	99
15) Acrylonitrile	4.99	53	473459	248.632	ug/l	99
16) Acetone	3.82	43	460003	249.493	ug/l	100
17) Carbon Disulfide	4.06	76	590212	50.616	ug/l	99
18) Methyl Acetate	4.33	43	228370	50.864	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	632551	50.358	ug/l	99
20) Methylene Chloride	4.55	84	257659	45.784	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	231500	48.922	ug/l	95
22) Diisopropyl ether	5.95	45	926338	50.381	ug/l	99
23) Vinyl Acetate	5.90	43	3254712	270.088	ug/l	100
24) 1,1-Dichloroethane	5.85	63	477806	48.773	ug/l	99
25) 2-Butanone	6.84	43	612568	259.792	ug/l	99
26) 2,2-Dichloropropane	6.82	77	349284	51.632	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	270446	50.257	ug/l	99
28) Bromochloromethane	7.20	49	240414	48.685	ug/l	100
29) Tetrahydrofuran	7.21	42	383300	253.868	ug/l	99
30) Chloroform	7.37	83	452429	48.718	ug/l	99
31) Cyclohexane	7.65	56	446404	47.961	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	376277	49.924	ug/l	98
36) 1,1-Dichloropropene	7.79	75	337713	49.132	ug/l	99
37) Ethyl Acetate	6.93	43	260164	49.386	ug/l	99
38) Carbon Tetrachloride	7.77	117	321104	48.428	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	375559	51.390	ug/l	98
40) Benzene	8.04	78	1005889	49.642	ug/l	99
41) Methacrylonitrile	7.17	41	132251	46.439	ug/l	93
42) 1,2-Dichloroethane	8.12	62	349021	48.633	ug/l	100
43) Isopropyl Acetate	8.16	43	441330	52.130	ug/l #	88
44) Trichloroethene	8.83	130	252490	48.879	ug/l	100
45) 1,2-Dichloropropane	9.12	63	287179	49.140	ug/l	99
46) Dibromomethane	9.21	93	156258	48.916	ug/l	99
47) Bromodichloromethane	9.40	83	342140	49.926	ug/l	99
48) Methyl methacrylate	9.20	41	211769	50.883	ug/l	97
49) 1,4-Dioxane	9.20	88	45759	1063.595	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1230884	258.237	ug/l	99
52) Toluene	10.16	92	595248	51.199	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	332592	55.906	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	401593	54.142	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	215603	49.940	ug/l	99
56) Ethyl methacrylate	10.43	69	297291	55.946	ug/l	98
57) 1,3-Dichloropropane	10.71	76	383121	50.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	409544	248.418	ug/l	99
59) 2-Hexanone	10.75	43	799763	268.168	ug/l	99
60) Dibromochloromethane	10.90	129	238179	53.979	ug/l	100
61) 1,2-Dibromoethane	11.00	107	207703	52.050	ug/l	99
64) Tetrachloroethene	10.63	164	231774	45.252	ug/l	99
65) Chlorobenzene	11.43	112	608191	49.667	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	233548	48.708	ug/l	100
67) Ethyl Benzene	11.51	91	1123389	50.804	ug/l	99
68) m/p-Xylenes	11.62	106	815673	103.343	ug/l	100
69) o-Xylene	11.95	106	395923	50.609	ug/l	99
70) Styrene	11.96	104	662456	55.151	ug/l	100
71) Bromoform	12.13	173	144973	54.489	ug/l #	99
73) Isopropylbenzene	12.25	105	1068940	51.671	ug/l	100
74) N-amyl acetate	12.07	43	341720	51.110	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	265289	51.489	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	229223m	47.195	ug/l	
77) Bromobenzene	12.53	156	257474	51.891	ug/l	98
78) n-propylbenzene	12.59	91	1209447	45.194	ug/l	100
79) 2-Chlorotoluene	12.67	91	732140	51.959	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	887608	43.459	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63063	45.873	ug/l	95
82) 4-Chlorotoluene	12.77	91	711631	45.735	ug/l	100
83) tert-Butylbenzene	12.99	119	755518	52.401	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	862538	47.220	ug/l	99
85) sec-Butylbenzene	13.17	105	982710	44.268	ug/l	99
86) p-Isopropyltoluene	13.29	119	867682	47.555	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	427069	48.988	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	406223	49.480	ug/l	99
89) n-Butylbenzene	13.61	91	702876	54.213	ug/l	99
90) Hexachloroethane	13.87	117	147101	50.948	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	415663	48.107	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37587	54.840	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	175764	51.493	ug/l	99
94) Hexachlorobutadiene	15.01	225	143595	55.539	ug/l	99
95) Naphthalene	15.13	128	373471	51.469	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	174812	52.001	ug/l	99

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

