

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055606.D
 Acq On : 17 May 2019 13:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:08:45 AM

Quant Time: May 18 03:22:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	345837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	502676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	442986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	210845	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	179676	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
35) Dibromofluoromethane	7.59	113	160572	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
50) Toluene-d8	10.09	98	606492	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.40	95	214852	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	121208	45.551	ug/l	98
3) Chloromethane	2.06	50	157117	44.269	ug/l	100
4) Vinyl Chloride	2.18	62	171108	44.522	ug/l	100
5) Bromomethane	2.56	94	114018	46.552	ug/l	99
6) Chloroethane	2.70	64	98659	46.234	ug/l	99
7) Trichlorofluoromethane	3.02	101	228969	46.492	ug/l	99
8) Diethyl Ether	3.41	74	90979	45.985	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	143101	47.661	ug/l	100
10) Methyl Iodide	3.96	142	190106	43.919	ug/l	99
11) Tert butyl alcohol	4.77	59	162103	229.293	ug/l	100
12) 1,1-Dichloroethene	3.74	96	143494	45.433	ug/l	98
13) Acrolein	3.61	56	82410	228.641	ug/l	100
14) Allyl chloride	4.33	41	238898	46.854	ug/l	100
15) Acrylonitrile	4.98	53	367174	233.440	ug/l	100
16) Acetone	3.81	43	387076	250.192	ug/l	99
17) Carbon Disulfide	4.06	76	398052	45.336	ug/l	100
18) Methyl Acetate	4.32	43	150316	45.320	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	474280	45.391	ug/l	99
20) Methylene Chloride	4.55	84	155233	43.966	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	154120	45.807	ug/l	99
22) Diisopropyl ether	5.95	45	462801	45.806	ug/l	100
23) Vinyl Acetate	5.89	43	1999488	233.230	ug/l	100
24) 1,1-Dichloroethane	5.85	63	273656	46.193	ug/l	99
25) 2-Butanone	6.83	43	524729	242.571	ug/l	100
26) 2,2-Dichloropropane	6.82	77	246570	46.896	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	177400	45.280	ug/l	100
28) Bromochloromethane	7.19	49	124925	48.471	ug/l	99
29) Tetrahydrofuran	7.21	42	325402	227.055	ug/l	100
30) Chloroform	7.37	83	275140	45.245	ug/l	99
31) Cyclohexane	7.65	56	255803	45.496	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	244762	44.875	ug/l	100
36) 1,1-Dichloropropene	7.79	75	214291	47.815	ug/l	99
37) Ethyl Acetate	6.92	43	199056	49.221	ug/l	98
38) Carbon Tetrachloride	7.77	117	221522	46.256	ug/l	97

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39) Methylcyclohexane	9.08	83	268160	49.636	ug/l	100
40) Benzene	8.04	78	630083	47.799	ug/l	100
41) Methacrylonitrile	7.18	41	97594m	56.444	ug/l	
42) 1,2-Dichloroethane	8.12	62	206466	48.369	ug/l	100
43) Isopropyl Acetate	8.16	43	333477	47.404	ug/l	99
44) Trichloroethene	8.83	130	181440	48.779	ug/l	99
45) 1,2-Dichloropropane	9.12	63	166169	47.851	ug/l	99
46) Dibromomethane	9.21	93	110118	48.449	ug/l	99
47) Bromodichloromethane	9.40	83	224506	47.130	ug/l	99
48) Methyl methacrylate	9.20	41	155073	49.318	ug/l	98
49) 1,4-Dioxane	9.20	88	63219	1011.832	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	987205	239.237	ug/l	100
52) Toluene	10.16	92	400240	48.409	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	255624	49.859	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	276303	49.194	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	159208	46.774	ug/l	99
56) Ethyl methacrylate	10.43	69	251052	47.249	ug/l	100
57) 1,3-Dichloropropane	10.71	76	260689	48.357	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	551273	244.179	ug/l	100
59) 2-Hexanone	10.75	43	729072	250.950	ug/l	100
60) Dibromochloromethane	10.90	129	186417	48.323	ug/l	100
61) 1,2-Dibromoethane	11.00	107	164698	48.360	ug/l	99
64) Tetrachloroethene	10.63	164	165302	47.310	ug/l	98
65) Chlorobenzene	11.43	112	426805	47.635	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	168540	46.758	ug/l	99
67) Ethyl Benzene	11.51	91	761832	47.730	ug/l	100
68) m/p-Xylenes	11.62	106	583988	96.886	ug/l	100
69) o-Xylene	11.95	106	281945	47.824	ug/l	99
70) Styrene	11.96	104	482663	49.239	ug/l	99
71) Bromoform	12.13	173	148268	48.539	ug/l #	100
73) Isopropylbenzene	12.25	105	745955	50.437	ug/l	99
74) N-amyl acetate	12.07	43	283769	47.930	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	224957	48.515	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	180855m	42.036	ug/l	
77) Bromobenzene	12.53	156	194535	44.926	ug/l	99
78) n-propylbenzene	12.59	91	852131	45.511	ug/l	100
79) 2-Chlorotoluene	12.67	91	501496	50.048	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	643617	50.959	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	78533	46.922	ug/l	99
82) 4-Chlorotoluene	12.77	91	507000	45.957	ug/l	100
83) tert-Butylbenzene	12.99	119	549749	51.304	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	639223	50.673	ug/l	99
85) sec-Butylbenzene	13.17	105	730200	51.882	ug/l	100
86) p-Isopropyltoluene	13.29	119	676383	51.593	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	339990	47.488	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	333149	48.734	ug/l	100
89) n-Butylbenzene	13.61	91	573873	49.601	ug/l	100
90) Hexachloroethane	13.87	117	127620	50.936	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	331802	46.490	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45147	47.182	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	197910	54.477	ug/l	99
94) Hexachlorobutadiene	15.01	225	118620	54.353	ug/l	100
95) Naphthalene	15.13	128	511007	46.727	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	194888	51.306	ug/l	99

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

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