

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055658.D
 Acq On : 18 May 2019 11:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:08:07 AM

Quant Time: May 20 04:01:14 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	7.67	168	314298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	495544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	439977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	211480	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	177023	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
35) Dibromofluoromethane	7.59	113	163306	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.09	98	606158	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.40	95	213168	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	109962	45.472	ug/l	99
3) Chloromethane	2.06	50	150148	46.550	ug/l	99
4) Vinyl Chloride	2.18	62	167353	47.915	ug/l	98
5) Bromomethane	2.57	94	111585	50.130	ug/l	100
6) Chloroethane	2.71	64	98123	50.597	ug/l	100
7) Trichlorofluoromethane	3.03	101	219501	49.042	ug/l	98
8) Diethyl Ether	3.41	74	90450	50.305	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	126525	46.369	ug/l	99
10) Methyl Iodide	3.96	142	187291	47.611	ug/l	99
11) Tert butyl alcohol	4.77	59	137037	213.289	ug/l	99
12) 1,1-Dichloroethene	3.74	96	137782	48.002	ug/l	99
13) Acrolein	3.61	56	68121	208.086	ug/l	100
14) Allyl chloride	4.33	41	187112	40.380	ug/l	92
15) Acrylonitrile	4.99	53	354789	248.201	ug/l	100
16) Acetone	3.81	43	280960	199.826	ug/l	99
17) Carbon Disulfide	4.06	76	369525	46.310	ug/l	100
18) Methyl Acetate	4.32	43	145390	48.233	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	475038	50.026	ug/l	98
20) Methylene Chloride	4.56	84	155681	48.518	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	148309	48.503	ug/l	100
22) Diisopropyl ether	5.95	45	443928	48.347	ug/l	99
23) Vinyl Acetate	5.90	43	1886944	242.189	ug/l	99
24) 1,1-Dichloroethane	5.85	63	269598	50.075	ug/l	100
25) 2-Butanone	6.83	43	451769	229.800	ug/l	98
26) 2,2-Dichloropropane	6.83	77	106714	22.333	ug/l	93
27) cis-1,2-Dichloroethene	6.83	96	174166	48.915	ug/l	94
28) Bromochloromethane	7.20	49	119317	50.941	ug/l	97
29) Tetrahydrofuran	7.21	42	306160	235.066	ug/l	98
30) Chloroform	7.37	83	271354	49.100	ug/l	99
31) Cyclohexane	7.66	56	231015	45.211	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	242645	48.951	ug/l	99
36) 1,1-Dichloropropene	7.80	75	202431	45.819	ug/l	99
37) Ethyl Acetate	6.93	43	197126	49.445	ug/l	100
38) Carbon Tetrachloride	7.78	117	217365	46.041	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	227681	42.750	ug/l	99
40) Benzene	8.04	78	620463	47.747	ug/l	99
41) Methacrylonitrile	7.18	41	96516m	56.624	ug/l	
42) 1,2-Dichloroethane	8.13	62	204615	48.625	ug/l	100
43) Isopropyl Acetate	8.16	43	362598	52.286	ug/l	97
44) Trichloroethene	8.84	130	182100	49.661	ug/l	98
45) 1,2-Dichloropropane	9.12	63	162137	47.362	ug/l	99
46) Dibromomethane	9.21	93	109209	48.741	ug/l	97
47) Bromodichloromethane	9.40	83	224269	47.758	ug/l	99
48) Methyl methacrylate	9.20	41	150786	48.645	ug/l	98
49) 1,4-Dioxane	9.20	88	53668	871.329	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	940485	231.195	ug/l	99
52) Toluene	10.16	92	392022	48.097	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	222196	43.963	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	241096	43.543	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	162091	48.307	ug/l	98
56) Ethyl methacrylate	10.43	69	248667	47.473	ug/l	98
57) 1,3-Dichloropropane	10.71	76	259886	48.902	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	528134	237.296	ug/l	99
59) 2-Hexanone	10.75	43	659431	230.246	ug/l	99
60) Dibromochloromethane	10.90	129	192517	50.623	ug/l	99
61) 1,2-Dibromoethane	11.01	107	165930	49.423	ug/l	99
64) Tetrachloroethene	10.63	164	178930	51.561	ug/l	98
65) Chlorobenzene	11.43	112	426715	47.951	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	172043	48.056	ug/l	99
67) Ethyl Benzene	11.51	91	740588	46.716	ug/l	100
68) m/p-Xylenes	11.62	106	562304	93.926	ug/l	98
69) o-Xylene	11.95	106	275313	47.019	ug/l	98
70) Styrene	11.96	104	475576	48.848	ug/l	98
71) Bromoform	12.13	173	153524	50.603	ug/l #	99
73) Isopropylbenzene	12.25	105	720144	48.451	ug/l	99
74) N-amyl acetate	12.07	43	269938	45.457	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	224235	48.202	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	189936m	44.015	ug/l	
77) Bromobenzene	12.53	156	223207	51.392	ug/l	82
78) n-propylbenzene	12.59	91	783207	41.704	ug/l	99
79) 2-Chlorotoluene	12.67	91	474445	47.108	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	600984	47.294	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	57378	34.180	ug/l	100
82) 4-Chlorotoluene	12.77	91	474520	42.884	ug/l	99
83) tert-Butylbenzene	12.99	119	522316	48.444	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	598136	47.152	ug/l	99
85) sec-Butylbenzene	13.17	105	667757	47.106	ug/l	99
86) p-Isopropyltoluene	13.29	119	606892	45.963	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	330054	45.961	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	321583	46.901	ug/l	99
89) n-Butylbenzene	13.61	91	482513	41.579	ug/l	99
90) Hexachloroethane	13.87	117	122803	48.775	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	327552	45.757	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43675	45.507	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	190328	52.233	ug/l	99
94) Hexachlorobutadiene	15.01	225	100983	45.664	ug/l	99
95) Naphthalene	15.13	128	535487	48.740	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	193380	50.757	ug/l	100

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

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