

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011119\
 Data File : VN053377.D
 Acq On : 11 Jan 2019 20:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/14/2019 10:42:07 AM

Quant Time: Jan 12 02:49:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	859613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1331763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1196109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	587965	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	437717	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	7.59	113	382848	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	10.09	98	1580660	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.40	95	564198	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	370269	48.859	ug/l	99
3) Chloromethane	2.06	50	503450	47.571	ug/l	99
4) Vinyl Chloride	2.19	62	491297	48.638	ug/l	99
5) Bromomethane	2.56	94	318088	48.191	ug/l	100
6) Chloroethane	2.71	64	296965	48.707	ug/l	99
7) Trichlorofluoromethane	3.02	101	641073	48.998	ug/l	98
8) Diethyl Ether	3.41	74	260720	50.841	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	406820	49.061	ug/l	100
10) Methyl Iodide	3.96	142	619935	53.335	ug/l	99
11) Tert butyl alcohol	4.78	59	140848	261.842	ug/l	100
12) 1,1-Dichloroethene	3.74	96	396018	49.374	ug/l	97
13) Acrolein	3.61	56	263824	390.080	ug/l	100
14) Allyl chloride	4.33	41	626476	48.461	ug/l	100
15) Acrylonitrile	4.99	53	799613	249.014	ug/l	99
16) Acetone	3.81	43	518692	240.906	ug/l	99
17) Carbon Disulfide	4.06	76	1096895	44.358	ug/l	100
18) Methyl Acetate	4.32	43	390663	48.266	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1161022	51.576	ug/l	99
20) Methylene Chloride	4.55	84	467392	48.660	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	423771	49.207	ug/l	99
22) Diisopropyl ether	5.95	45	1439472	51.688	ug/l	97
23) Vinyl Acetate	5.90	43	4564912	260.507	ug/l	100
24) 1,1-Dichloroethane	5.85	63	813350	50.638	ug/l	100
25) 2-Butanone	6.83	43	889460	242.423	ug/l	100
26) 2,2-Dichloropropane	6.82	77	554820	47.254	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	499414	50.781	ug/l	99
28) Bromochloromethane	7.20	49	351273	51.320	ug/l	99
29) Tetrahydrofuran	7.21	42	598411	247.152	ug/l	99
30) Chloroform	7.37	83	803487	50.823	ug/l	99
31) Cyclohexane	7.66	56	740005	48.476	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	666088	50.560	ug/l	100
36) 1,1-Dichloropropene	7.80	75	611990	49.224	ug/l	99
37) Ethyl Acetate	6.93	43	400696	49.479	ug/l	99
38) Carbon Tetrachloride	7.78	117	573150	49.945	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	736768	51.152	ug/l	99
40) Benzene	8.04	78	1884063	49.610	ug/l	99
41) Methacrylonitrile	7.17	41	213620	42.488	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	561033	49.802	ug/l	100
43) Isopropyl Acetate	8.16	43	737726	46.307	ug/l	100
44) Trichloroethene	8.84	130	517492	49.625	ug/l	100
45) 1,2-Dichloropropane	9.12	63	503358	50.534	ug/l	99
46) Dibromomethane	9.21	93	290148	49.959	ug/l	100
47) Bromodichloromethane	9.40	83	610734	50.461	ug/l	100
48) Methyl methacrylate	9.20	41	368186	50.870	ug/l	99
49) 1,4-Dioxane	9.20	88	81247	1053.602	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2006685	250.473	ug/l	99
52) Toluene	10.16	92	1170969	50.258	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	635441	51.323	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	730860	51.083	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	423331	49.414	ug/l	99
56) Ethyl methacrylate	10.43	69	581271	52.212	ug/l	99
57) 1,3-Dichloropropane	10.71	76	731596	51.066	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1504452	249.961	ug/l	100
59) 2-Hexanone	10.75	43	1385351	252.377	ug/l	100
60) Dibromochloromethane	10.90	129	472689	51.156	ug/l	100
61) 1,2-Dibromoethane	11.01	107	425547	50.336	ug/l	99
64) Tetrachloroethene	10.63	164	572763	50.877	ug/l	98
65) Chlorobenzene	11.43	112	1303912	50.182	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	461085	50.698	ug/l	99
67) Ethyl Benzene	11.51	91	2258476	51.152	ug/l	100
68) m/p-Xylenes	11.62	106	1708538	102.908	ug/l	100
69) o-Xylene	11.95	106	840850	51.732	ug/l	100
70) Styrene	11.96	104	1387957	52.468	ug/l	100
71) Bromoform	12.13	173	326516	50.828	ug/l #	99
73) Isopropylbenzene	12.25	105	2218144	50.671	ug/l	99
74) N-amyl acetate	12.07	43	670648	51.305	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	489690	48.629	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	444737m	51.860	ug/l	
77) Bromobenzene	12.53	156	583184	49.915	ug/l	100
78) n-propylbenzene	12.59	91	2544958	51.396	ug/l	99
79) 2-Chlorotoluene	12.68	91	1499082	50.033	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1816886	51.526	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	151063	51.826	ug/l	100
82) 4-Chlorotoluene	12.77	91	1537181	50.034	ug/l	100
83) tert-Butylbenzene	12.99	119	1601663	51.771	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1854245	51.617	ug/l	100
85) sec-Butylbenzene	13.17	105	2197539	53.861	ug/l	100
86) p-Isopropyltoluene	13.29	119	1901201	53.820	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1023641	49.752	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1019696	49.961	ug/l	99
89) n-Butylbenzene	13.62	91	1622055	54.768	ug/l	99
90) Hexachloroethane	13.88	117	296048	52.287	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	975446	50.614	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67077	54.918	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	394352	65.077	ug/l	99
94) Hexachlorobutadiene	15.01	225	290136	58.537	ug/l	99
95) Naphthalene	15.13	128	707696	68.459	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	285737	72.022	ug/l	99

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

