

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055535.D
 Acq On : 10 May 2019 7:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 12:44:37 PM

Quant Time: May 10 09:31:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	683165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1209206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1057660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	437068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	521408	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.59	113	407467	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
50) Toluene-d8	10.09	98	1597390	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.40	95	539046	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	317876	45.702	ug/l	100
3) Chloromethane	2.06	50	519617	45.985	ug/l	99
4) Vinyl Chloride	2.19	62	510326	47.843	ug/l	100
5) Bromomethane	2.54	94	288632	49.387	ug/l	100
6) Chloroethane	2.70	64	317852	51.158	ug/l	98
7) Trichlorofluoromethane	3.02	101	581585	49.701	ug/l	99
8) Diethyl Ether	3.41	74	260503	49.569	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	352556	47.355	ug/l	98
10) Methyl Iodide	3.95	142	501304	49.819	ug/l	99
11) Tert butyl alcohol	4.81	59	348202	229.266	ug/l	100
12) 1,1-Dichloroethene	3.73	96	373249	49.989	ug/l	99
13) Acrolein	3.61	56	224703	221.994	ug/l	98
14) Allyl chloride	4.32	41	719251	47.025	ug/l	99
15) Acrylonitrile	4.99	53	1127103	239.666	ug/l	100
16) Acetone	3.82	43	901066	189.188	ug/l	99
17) Carbon Disulfide	4.05	76	1016747	49.893	ug/l	100
18) Methyl Acetate	4.33	43	470752	47.034	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1253576	50.527	ug/l	97
20) Methylene Chloride	4.55	84	460840	47.318	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	405383	50.076	ug/l	96
22) Diisopropyl ether	5.96	45	1572269	50.586	ug/l	96
23) Vinyl Acetate	5.90	43	6054113	251.867	ug/l	100
24) 1,1-Dichloroethane	5.85	63	837369	49.908	ug/l	99
25) 2-Butanone	6.84	43	1467100	222.989	ug/l	98
26) 2,2-Dichloropropane	6.83	77	369139	35.293	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	475926	50.870	ug/l	98
28) Bromochloromethane	7.19	49	441365	50.654	ug/l	96
29) Tetrahydrofuran	7.22	42	1011439	232.545	ug/l	99
30) Chloroform	7.37	83	784296	50.565	ug/l	99
31) Cyclohexane	7.65	56	771339	46.464	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	609608	51.611	ug/l	100
36) 1,1-Dichloropropene	7.79	75	594973	49.944	ug/l	99
37) Ethyl Acetate	6.93	43	604642	46.529	ug/l	99
38) Carbon Tetrachloride	7.77	117	502915	50.136	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	668622	46.033	ug/l	99
40) Benzene	8.04	78	1860934	50.333	ug/l	99
41) Methacrylonitrile	7.17	41	289150	47.941	ug/l	95
42) 1,2-Dichloroethane	8.12	62	624299	48.062	ug/l	100
43) Isopropyl Acetate	8.17	43	961354	48.695	ug/l	98
44) Trichloroethene	8.83	130	437283	49.707	ug/l	96
45) 1,2-Dichloropropane	9.12	63	522129	49.356	ug/l	100
46) Dibromomethane	9.21	93	304673	49.688	ug/l	99
47) Bromodichloromethane	9.40	83	595845	50.794	ug/l	98
48) Methyl methacrylate	9.20	41	460857	48.450	ug/l	100
49) 1,4-Dioxane	9.20	88	172924	932.748	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	2997350	230.845	ug/l	99
52) Toluene	10.16	92	1070556	50.649	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	569653	50.562	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	685914	50.950	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	423876	49.495	ug/l	99
56) Ethyl methacrylate	10.43	69	640113	50.251	ug/l	99
57) 1,3-Dichloropropane	10.71	76	763105	50.191	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	877586	206.923	ug/l	99
59) 2-Hexanone	10.75	43	2035366	223.523	ug/l	100
60) Dibromochloromethane	10.90	129	413297	53.080	ug/l	99
61) 1,2-Dibromoethane	11.00	107	423474	51.465	ug/l	98
64) Tetrachloroethene	10.63	164	426602	49.224	ug/l	99
65) Chlorobenzene	11.43	112	1097764	50.449	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	390276	52.098	ug/l	100
67) Ethyl Benzene	11.51	91	2026132	49.577	ug/l	100
68) m/p-Xylenes	11.62	106	1478711	100.823	ug/l	99
69) o-Xylene	11.95	106	728383	50.528	ug/l	99
70) Styrene	11.96	104	1215876	52.647	ug/l	99
71) Bromoform	12.13	173	269763	53.365	ug/l #	100
73) Isopropylbenzene	12.25	105	1912126	53.218	ug/l	100
74) N-amyl acetate	12.07	43	774764	46.691	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	591653	50.517	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	532614m	44.763	ug/l	
77) Bromobenzene	12.53	156	443527	46.047	ug/l	96
78) n-propylbenzene	12.59	91	2164871	46.181	ug/l	100
79) 2-Chlorotoluene	12.67	91	1317568	45.099	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1624947	46.487	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	129938	40.295	ug/l	100
82) 4-Chlorotoluene	12.77	91	1285193	46.556	ug/l	98
83) tert-Butylbenzene	12.99	119	1340078	44.727	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1562806	48.750	ug/l	100
85) sec-Butylbenzene	13.17	105	1797689	45.147	ug/l	100
86) p-Isopropyltoluene	13.29	119	1521289	46.944	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	745033	50.057	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	715422	48.706	ug/l	100
89) n-Butylbenzene	13.61	91	1173497	46.717	ug/l	100
90) Hexachloroethane	13.87	117	250113	47.313	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	746779	50.202	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	92389	45.969	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	287907	44.807	ug/l	99
94) Hexachlorobutadiene	15.01	225	221340	50.295	ug/l	99
95) Naphthalene	15.13	128	790721	43.779	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	321633	46.059	ug/l	100

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

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