

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055564.D
 Acq On : 10 May 2019 20:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 1:45:56 PM

Quant Time: May 11 02:18:48 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	670657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1182890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1031707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	443932	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	509303	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
35) Dibromofluoromethane	7.59	113	399601	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
50) Toluene-d8	10.09	98	1554396	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.40	95	533365	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	299900	43.922	ug/l	99
3) Chloromethane	2.06	50	484496	43.676	ug/l	100
4) Vinyl Chloride	2.19	62	475666	45.426	ug/l	99
5) Bromomethane	2.53	94	211513	36.866	ug/l	98
6) Chloroethane	2.69	64	286061	46.900	ug/l	100
7) Trichlorofluoromethane	3.01	101	560192	48.765	ug/l	100
8) Diethyl Ether	3.41	74	251889	48.824	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	339890	46.505	ug/l	98
10) Methyl Iodide	3.95	142	341240	34.544	ug/l	100
11) Tert butyl alcohol	4.82	59	354490	237.760	ug/l	100
12) 1,1-Dichloroethene	3.73	96	351207	47.914	ug/l	99
13) Acrolein	3.61	56	207923	209.247	ug/l	99
14) Allyl chloride	4.32	41	692765	46.138	ug/l	98
15) Acrylonitrile	5.00	53	1111607	240.779	ug/l	99
16) Acetone	3.82	43	938965	200.822	ug/l	96
17) Carbon Disulfide	4.04	76	916577	45.816	ug/l	100
18) Methyl Acetate	4.33	43	469636	47.816	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1207563	49.580	ug/l	98
20) Methylene Chloride	4.55	84	439178	45.935	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	386265	48.604	ug/l	95
22) Diisopropyl ether	5.96	45	1480817	48.532	ug/l	97
23) Vinyl Acetate	5.90	43	5905259	250.256	ug/l	100
24) 1,1-Dichloroethane	5.85	63	793487	48.175	ug/l	100
25) 2-Butanone	6.84	43	1507553	233.411	ug/l	98
26) 2,2-Dichloropropane	6.82	77	480585	46.805	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	455146	49.556	ug/l	98
28) Bromochloromethane	7.20	49	425941	49.796	ug/l	95
29) Tetrahydrofuran	7.22	42	1013672	237.405	ug/l	99
30) Chloroform	7.37	83	742133	48.739	ug/l	98
31) Cyclohexane	7.65	56	720505	44.212	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	577940	49.842	ug/l	100
36) 1,1-Dichloropropene	7.79	75	556639	47.766	ug/l	98
37) Ethyl Acetate	6.94	43	604088	47.521	ug/l	100
38) Carbon Tetrachloride	7.77	117	470882	47.987	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	640791	45.099	ug/l	98
40) Benzene	8.04	78	1751337	48.423	ug/l	100
41) Methacrylonitrile	7.17	41	295313	50.052	ug/l	97
42) 1,2-Dichloroethane	8.13	62	594963	46.823	ug/l	100
43) Isopropyl Acetate	8.17	43	936931	48.514	ug/l	98
44) Trichloroethene	8.84	130	419420	48.737	ug/l	96
45) 1,2-Dichloropropane	9.12	63	498030	48.126	ug/l	98
46) Dibromomethane	9.21	93	291814	48.649	ug/l	98
47) Bromodichloromethane	9.40	83	566331	49.352	ug/l	99
48) Methyl methacrylate	9.20	41	451435	48.515	ug/l	97
49) 1,4-Dioxane	9.20	88	181849	1002.712	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	3037200	239.119	ug/l	99
52) Toluene	10.16	92	1024638	49.555	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	570433	51.758	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	679886	51.625	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	418623	49.969	ug/l	98
56) Ethyl methacrylate	10.43	69	613775	49.255	ug/l	99
57) 1,3-Dichloropropane	10.71	76	735314	49.439	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	888030	213.614	ug/l	99
59) 2-Hexanone	10.75	43	2080074	233.515	ug/l	99
60) Dibromochloromethane	10.90	129	400488	52.579	ug/l	100
61) 1,2-Dibromoethane	11.01	107	409072	50.821	ug/l	98
64) Tetrachloroethene	10.63	164	393283	46.521	ug/l	99
65) Chlorobenzene	11.43	112	1059958	49.937	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	373989	51.180	ug/l	99
67) Ethyl Benzene	11.51	91	1938246	48.620	ug/l	99
68) m/p-Xylenes	11.62	106	1429296	99.905	ug/l	98
69) o-Xylene	11.95	106	705783	50.192	ug/l	99
70) Styrene	11.96	104	1187132	52.695	ug/l	99
71) Bromoform	12.13	173	267532	54.255	ug/l	100
73) Isopropylbenzene	12.25	105	1862017	50.913	ug/l	100
74) N-amyl acetate	12.07	43	762907	45.265	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	603622	50.754	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	539094m	44.607	ug/l	
77) Bromobenzene	12.53	156	439275	44.900	ug/l	95
78) n-propylbenzene	12.59	91	2112391	44.365	ug/l	99
79) 2-Chlorotoluene	12.67	91	1297559	43.728	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1588071	44.730	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	145788	44.512	ug/l	99
82) 4-Chlorotoluene	12.77	91	1268648	45.246	ug/l	99
83) tert-Butylbenzene	12.99	119	1334770	43.861	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1536472	47.187	ug/l	100
85) sec-Butylbenzene	13.17	105	1758195	43.472	ug/l	99
86) p-Isopropyltoluene	13.29	119	1494890	45.416	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	725860	48.015	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	697852	46.775	ug/l	99
89) n-Butylbenzene	13.61	91	1156463	45.328	ug/l	99
90) Hexachloroethane	13.87	117	239680	44.639	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	734507	48.614	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	95284	46.676	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	270715	41.718	ug/l	98
94) Hexachlorobutadiene	15.01	225	213763	47.702	ug/l	100
95) Naphthalene	15.13	128	750757	41.115	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	304708	43.123	ug/l	100

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

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