

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055596.D
 Acq On : 14 May 2019 16:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:32:08 PM

Quant Time: May 15 07:57:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 07:28:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	756289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1269240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1106995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	460264	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	525021	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.59	113	419424	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	10.09	98	1626431	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.40	95	535426	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	350801	45.452	ug/l	99
3) Chloromethane	2.06	50	542072	45.145	ug/l	98
4) Vinyl Chloride	2.18	62	534052	45.635	ug/l	98
5) Bromomethane	2.54	94	316618	46.323	ug/l	100
6) Chloroethane	2.69	64	330066	46.531	ug/l	99
7) Trichlorofluoromethane	3.01	101	613309	47.018	ug/l	99
8) Diethyl Ether	3.41	74	272836	46.813	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	383155	46.661	ug/l	99
10) Methyl Iodide	3.94	142	543141	51.876	ug/l	99
11) Tert butyl alcohol	4.81	59	341691	251.732	ug/l	98
12) 1,1-Dichloroethene	3.72	96	396071	48.169	ug/l	99
13) Acrolein	3.60	56	316230	232.200	ug/l	100
14) Allyl chloride	4.32	41	773164	48.806	ug/l	99
15) Acrylonitrile	4.99	53	1123466	246.481	ug/l	99
16) Acetone	3.82	43	1081844	223.888	ug/l	99
17) Carbon Disulfide	4.04	76	1120001	47.534	ug/l	99
18) Methyl Acetate	4.33	43	459625	50.748	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1281763	49.932	ug/l	100
20) Methylene Chloride	4.54	84	474809	46.686	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	431380	48.265	ug/l	97
22) Diisopropyl ether	5.95	45	1579471	49.641	ug/l	99
23) Vinyl Acetate	5.90	43	6264815	262.780	ug/l	100
24) 1,1-Dichloroethane	5.85	63	846666	47.912	ug/l	100
25) 2-Butanone	6.84	43	1545885	244.102	ug/l	100
26) 2,2-Dichloropropane	6.82	77	568383	49.801	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	498539	48.147	ug/l	99
28) Bromochloromethane	7.19	49	410307	47.805	ug/l	99
29) Tetrahydrofuran	7.21	42	998252	243.147	ug/l	98
30) Chloroform	7.37	83	788126	47.658	ug/l	100
31) Cyclohexane	7.65	56	807361	45.912	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	628194	49.057	ug/l	98
36) 1,1-Dichloropropene	7.79	75	614381	48.686	ug/l	100
37) Ethyl Acetate	6.93	43	595875	50.396	ug/l	99
38) Carbon Tetrachloride	7.77	117	518555	49.497	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	735196	49.472	ug/l	98
40) Benzene	8.04	78	1895769	49.193	ug/l	99
41) Methacrylonitrile	7.17	41	309284	57.384	ug/l	99
42) 1,2-Dichloroethane	8.12	62	626994	48.786	ug/l	100
43) Isopropyl Acetate	8.17	43	961567	51.855	ug/l	100
44) Trichloroethene	8.83	130	453551	48.936	ug/l	98
45) 1,2-Dichloropropane	9.12	63	526645	49.582	ug/l	100
46) Dibromomethane	9.21	93	305405	48.685	ug/l	99
47) Bromodichloromethane	9.40	83	601762	50.323	ug/l	97
48) Methyl methacrylate	9.20	41	454722	50.197	ug/l	98
49) 1,4-Dioxane	9.20	88	172368	1041.146	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2963337	254.338	ug/l	100
52) Toluene	10.15	92	1102432	49.931	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	616900	53.812	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	736740	53.521	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	429416	48.647	ug/l	98
56) Ethyl methacrylate	10.43	69	645620	52.486	ug/l	99
57) 1,3-Dichloropropane	10.71	76	765018	50.134	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	883218	233.232	ug/l	100
59) 2-Hexanone	10.75	43	2047091	254.692	ug/l	100
60) Dibromochloromethane	10.90	129	420216	52.336	ug/l	100
61) 1,2-Dibromoethane	11.00	107	432075	51.809	ug/l	99
64) Tetrachloroethene	10.63	164	415274	46.963	ug/l	98
65) Chlorobenzene	11.43	112	1121852	48.836	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	398968	50.665	ug/l	100
67) Ethyl Benzene	11.51	91	2082084	50.535	ug/l	100
68) m/p-Xylenes	11.62	106	1523189	101.145	ug/l	100
69) o-Xylene	11.95	106	746657	50.949	ug/l	100
70) Styrene	11.96	104	1248183	53.555	ug/l	100
71) Bromoform	12.13	173	276608	53.891	ug/l #	100
73) Isopropylbenzene	12.25	105	1967446	43.740	ug/l	100
74) N-amyl acetate	12.07	43	758783	47.802	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	605170	52.038	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	523433m	45.964	ug/l	
77) Bromobenzene	12.52	156	456113	50.861	ug/l	99
78) n-propylbenzene	12.59	91	2218579	46.260	ug/l	100
79) 2-Chlorotoluene	12.67	91	1351892	44.315	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1640117	46.130	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	155226	48.483	ug/l	97
82) 4-Chlorotoluene	12.77	91	1320820	46.610	ug/l	100
83) tert-Butylbenzene	12.99	119	1366441	44.275	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1574897	47.963	ug/l	100
85) sec-Butylbenzene	13.17	105	1821448	45.825	ug/l	100
86) p-Isopropyltoluene	13.29	119	1574620	48.857	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	758945	47.645	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	735611	46.936	ug/l	99
89) n-Butylbenzene	13.61	91	1237836	52.058	ug/l	99
90) Hexachloroethane	13.87	117	251249	50.393	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	748729	47.034	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	89677	46.686	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	296991	46.139	ug/l	99
94) Hexachlorobutadiene	15.01	225	227805	52.078	ug/l	99
95) Naphthalene	15.13	128	808420	47.048	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	322601	47.093	ug/l	99

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

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