

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\
 Data File : VN053622.D
 Acq On : 5 Feb 2019 16:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/6/2019 12:47:09 PM

Quant Time: Feb 06 04:44:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	732498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1135978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	994567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	486199	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	394130	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
35) Dibromofluoromethane	7.59	113	381028	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
50) Toluene-d8	10.09	98	1404569	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.40	95	473582	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	390264	47.277	ug/l	100
3) Chloromethane	2.06	50	443334	50.980	ug/l	100
4) Vinyl Chloride	2.19	62	432672	51.254	ug/l	99
5) Bromomethane	2.57	94	278967	50.541	ug/l	99
6) Chloroethane	2.71	64	248970	51.610	ug/l	98
7) Trichlorofluoromethane	3.02	101	571380	49.912	ug/l	99
8) Diethyl Ether	3.41	74	217998	52.143	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	346611	48.957	ug/l	98
10) Methyl Iodide	3.96	142	565567	50.895	ug/l	100
11) Tert butyl alcohol	4.78	59	126303	290.422	ug/l	99
12) 1,1-Dichloroethene	3.74	96	344534	50.793	ug/l	98
13) Acrolein	3.61	56	90963	384.164	ug/l	100
14) Allyl chloride	4.33	41	563021	52.131	ug/l	99
15) Acrylonitrile	4.99	53	659794	281.029	ug/l	100
16) Acetone	3.81	43	440953	233.943	ug/l	99
17) Carbon Disulfide	4.06	76	1000903	47.389	ug/l	100
18) Methyl Acetate	4.32	43	312277	55.943	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	950714	55.289	ug/l	98
20) Methylene Chloride	4.55	84	391449	49.502	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	370392	50.614	ug/l	98
22) Diisopropyl ether	5.95	45	1097423	54.839	ug/l	98
23) Vinyl Acetate	5.90	43	3872921	279.757	ug/l	99
24) 1,1-Dichloroethane	5.85	63	680517	50.984	ug/l	99
25) 2-Butanone	6.83	43	721276	268.307	ug/l	99
26) 2,2-Dichloropropane	6.82	77	491361	48.224	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	427212	52.500	ug/l	98
28) Bromochloromethane	7.19	49	295085	50.944	ug/l	97
29) Tetrahydrofuran	7.21	42	490377	284.078	ug/l	99
30) Chloroform	7.37	83	670858	50.702	ug/l	99
31) Cyclohexane	7.66	56	609264	49.023	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	566701	51.465	ug/l	99
36) 1,1-Dichloropropene	7.79	75	514818	50.274	ug/l	99
37) Ethyl Acetate	6.93	43	324615	56.759	ug/l	98
38) Carbon Tetrachloride	7.78	117	499457	48.417	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	596217	49.076	ug/l	98
40) Benzene	8.04	78	1562633	49.485	ug/l	100
41) Methacrylonitrile	7.17	41	172466	53.956	ug/l	91
42) 1,2-Dichloroethane	8.12	62	466348	49.738	ug/l	99
43) Isopropyl Acetate	8.16	43	588579	53.290	ug/l	98
44) Trichloroethene	8.84	130	432672	48.128	ug/l	99
45) 1,2-Dichloropropane	9.12	63	407866	50.498	ug/l	100
46) Dibromomethane	9.21	93	243039	49.917	ug/l	98
47) Bromodichloromethane	9.40	83	511910	50.568	ug/l	99
48) Methyl methacrylate	9.20	41	278017	52.733	ug/l	95
49) 1,4-Dioxane	9.20	88	79524	1039.367	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1509523	278.125	ug/l	100
52) Toluene	10.16	92	950611	50.723	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	527092	51.997	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	617158	51.378	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	351364	52.029	ug/l	98
56) Ethyl methacrylate	10.43	69	445826	55.804	ug/l	98
57) 1,3-Dichloropropane	10.71	76	590777	51.186	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1195772	241.620	ug/l	99
59) 2-Hexanone	10.75	43	981282	266.322	ug/l	99
60) Dibromochloromethane	10.90	129	395016	51.870	ug/l	100
61) 1,2-Dibromoethane	11.01	107	337754	50.530	ug/l	99
64) Tetrachloroethene	10.63	164	411798	48.301	ug/l	99
65) Chlorobenzene	11.44	112	1044291	49.432	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	378640	51.321	ug/l	99
67) Ethyl Benzene	11.51	91	1749288	50.407	ug/l	100
68) m/p-Xylenes	11.62	106	1357359	102.482	ug/l	99
69) o-Xylene	11.95	106	663364	51.842	ug/l	99
70) Styrene	11.96	104	1087224	52.422	ug/l	100
71) Bromoform	12.13	173	276784	54.721	ug/l #	99
73) Isopropylbenzene	12.25	105	1714971	50.176	ug/l	100
74) N-amyl acetate	12.07	43	460329	56.008	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	418334	51.141	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	345454m	55.318	ug/l	
77) Bromobenzene	12.53	156	458398	49.763	ug/l	99
78) n-propylbenzene	12.59	91	1980721	50.130	ug/l	100
79) 2-Chlorotoluene	12.68	91	1174481	50.103	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1479803	52.211	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	115731	52.111	ug/l	99
82) 4-Chlorotoluene	12.77	91	1196797	49.754	ug/l	100
83) tert-Butylbenzene	12.99	119	1292139	51.582	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1490564	51.619	ug/l	99
85) sec-Butylbenzene	13.17	105	1733503	50.853	ug/l	100
86) p-Isopropyltoluene	13.29	119	1537913	51.585	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	807619	48.772	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	802149	48.971	ug/l	100
89) n-Butylbenzene	13.62	91	1316357	51.011	ug/l	100
90) Hexachloroethane	13.88	117	253164	51.481	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	791558	49.932	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61303	52.585	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	472932	52.016	ug/l	99
94) Hexachlorobutadiene	15.01	225	273023	48.219	ug/l	99
95) Naphthalene	15.13	128	1066377	49.931	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	435020	51.565	ug/l	100

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

