

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057048.D
 Acq On : 1 Aug 2019 19:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 11:18:22 AM

Quant Time: Aug 02 07:04:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	478106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	700125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	626607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	267377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	240128	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	7.58	113	222396	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.08	98	832620	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	278383	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	245963	50.888	ug/l	98
3) Chloromethane	2.05	50	263890	45.595	ug/l	98
4) Vinyl Chloride	2.18	62	253482	46.708	ug/l	99
5) Bromomethane	2.54	94	156696	46.445	ug/l	99
6) Chloroethane	2.68	64	140477	46.957	ug/l	98
7) Trichlorofluoromethane	3.00	101	356379	50.166	ug/l	99
8) Diethyl Ether	3.40	74	135932	51.127	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	215723	48.979	ug/l	99
10) Methyl Iodide	3.94	142	307848	52.308	ug/l	99
11) Tert butyl alcohol	4.77	59	173603	262.429	ug/l	98
12) 1,1-Dichloroethene	3.72	96	210033	49.978	ug/l	98
13) Acrolein	3.60	56	87179	256.973	ug/l	95
14) Allyl chloride	4.31	41	333886	48.842	ug/l	98
15) Acrylonitrile	4.97	53	510829	263.320	ug/l	99
16) Acetone	3.81	43	375144	211.584	ug/l	98
17) Carbon Disulfide	4.04	76	499206	44.703	ug/l	99
18) Methyl Acetate	4.31	43	273709	48.392	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	661003	52.750	ug/l	99
20) Methylene Chloride	4.54	84	245692	48.106	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	218391	48.931	ug/l	95
22) Diisopropyl ether	5.94	45	703179	49.924	ug/l	99
23) Vinyl Acetate	5.88	43	2488902	255.039	ug/l	99
24) 1,1-Dichloroethane	5.83	63	416498	50.119	ug/l	100
25) 2-Butanone	6.82	43	608124	241.881	ug/l	96
26) 2,2-Dichloropropane	6.81	77	301891	47.776	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	263086	49.837	ug/l	100
28) Bromochloromethane	7.18	49	190907	48.873	ug/l	99
29) Tetrahydrofuran	7.20	42	415243	253.144	ug/l	98
30) Chloroform	7.36	83	417523	49.139	ug/l	98
31) Cyclohexane	7.64	56	362771	45.111	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	353843	52.194	ug/l	98
36) 1,1-Dichloropropene	7.78	75	303366	49.243	ug/l	99
37) Ethyl Acetate	6.92	43	253681	51.414	ug/l	99
38) Carbon Tetrachloride	7.76	117	310301	53.249	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	371229	47.147	ug/l	99
40) Benzene	8.03	78	941474	49.617	ug/l	100
41) Methacrylonitrile	7.16	41	121533	53.281	ug/l	92
42) 1,2-Dichloroethane	8.11	62	306353	51.515	ug/l	99
43) Isopropyl Acetate	8.15	43	414931	50.879	ug/l	99
44) Trichloroethene	8.83	130	265164	50.724	ug/l	98
45) 1,2-Dichloropropane	9.11	63	254134	50.072	ug/l	99
46) Dibromomethane	9.20	93	160906	52.570	ug/l	98
47) Bromodichloromethane	9.39	83	315799	52.477	ug/l	99
48) Methyl methacrylate	9.19	41	206935	52.557	ug/l	98
49) 1,4-Dioxane	9.19	88	86120	1061.377	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1264509	260.964	ug/l	100
52) Toluene	10.15	92	589773	51.733	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	328645	52.627	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	377462	51.985	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	236131	51.648	ug/l	98
56) Ethyl methacrylate	10.42	69	341084	49.422	ug/l	98
57) 1,3-Dichloropropane	10.70	76	387727	51.143	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	579513	211.524	ug/l	99
59) 2-Hexanone	10.74	43	880442	236.087	ug/l	98
60) Dibromochloromethane	10.90	129	256903	54.847	ug/l	99
61) 1,2-Dibromoethane	11.00	107	241560	54.141	ug/l	99
64) Tetrachloroethene	10.63	164	271736	50.324	ug/l	99
65) Chlorobenzene	11.43	112	639259	50.055	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	248104	51.615	ug/l	99
67) Ethyl Benzene	11.51	91	1114716	50.503	ug/l	100
68) m/p-Xylenes	11.62	106	843403	103.536	ug/l	100
69) o-Xylene	11.94	106	412689	51.783	ug/l	100
70) Styrene	11.96	104	687795	48.871	ug/l	100
71) Bromoform	12.12	173	182435	54.361	ug/l #	100
73) Isopropylbenzene	12.25	105	1114216	48.218	ug/l	99
74) N-amyl acetate	12.07	43	343548	51.202	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	304861	52.314	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	270517m	49.819	ug/l	
77) Bromobenzene	12.52	156	291776	48.380	ug/l	99
78) n-propylbenzene	12.59	91	1201351	48.691	ug/l	100
79) 2-Chlorotoluene	12.67	91	721811	47.510	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	933995	49.247	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	86775	51.346	ug/l	97
82) 4-Chlorotoluene	12.77	91	700125	49.243	ug/l	100
83) tert-Butylbenzene	12.99	119	814457	48.511	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	909290	49.828	ug/l	100
85) sec-Butylbenzene	13.17	105	1044392	48.227	ug/l	100
86) p-Isopropyltoluene	13.29	119	955457	49.695	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	457575	49.878	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	433318	49.065	ug/l	99
89) n-Butylbenzene	13.61	91	735314	49.624	ug/l	99
90) Hexachloroethane	13.87	117	164613	49.723	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	457194	50.637	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47437	51.614	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	199673	43.255	ug/l	100
94) Hexachlorobutadiene	15.00	225	168908	53.808	ug/l	98
95) Naphthalene	15.12	128	526162	46.579	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	224211	47.732	ug/l	100

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

