

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020719\
 Data File : VN053670.D
 Acq On : 7 Feb 2019 21:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:25:29 PM

Quant Time: Feb 09 01:55:01 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	663758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1024948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	901824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	434435	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	331161	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	7.59	113	321444	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.09	98	1179566	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.40	95	392014	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	339264	45.369	ug/l	99
3) Chloromethane	2.06	50	401849	50.995	ug/l	98
4) Vinyl Chloride	2.19	62	366843	47.956	ug/l	99
5) Bromomethane	2.57	94	226085	45.202	ug/l	98
6) Chloroethane	2.71	64	212070	48.513	ug/l	100
7) Trichlorofluoromethane	3.02	101	496172	47.831	ug/l	99
8) Diethyl Ether	3.41	74	185181	48.881	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	304281	47.429	ug/l	98
10) Methyl Iodide	3.96	142	462847	45.965	ug/l	99
11) Tert butyl alcohol	4.78	59	104641	265.531	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	296072	48.169	ug/l	99
13) Acrolein	3.61	56	65492	305.237	ug/l	100
14) Allyl chloride	4.33	41	475845	48.622	ug/l	99
15) Acrylonitrile	4.99	53	566381	266.225	ug/l	98
16) Acetone	3.82	43	360092	210.828	ug/l	99
17) Carbon Disulfide	4.06	76	832984	43.523	ug/l	100
18) Methyl Acetate	4.32	43	271771	53.728	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	817173	52.444	ug/l	100
20) Methylene Chloride	4.55	84	455841	63.614	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	314465	47.421	ug/l	99
22) Diisopropyl ether	5.95	45	947981	52.277	ug/l	97
23) Vinyl Acetate	5.90	43	3279925	261.459	ug/l	99
24) 1,1-Dichloroethane	5.85	63	589198	48.714	ug/l	99
25) 2-Butanone	6.83	43	594292	243.965	ug/l	97
26) 2,2-Dichloropropane	6.83	77	395506	42.836	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	367267	49.807	ug/l	96
28) Bromochloromethane	7.20	49	266610	50.795	ug/l	96
29) Tetrahydrofuran	7.21	42	406042	259.583	ug/l	97
30) Chloroform	7.37	83	586740	48.936	ug/l	100
31) Cyclohexane	7.66	56	516246	45.829	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	500519	50.162	ug/l	99
36) 1,1-Dichloropropene	7.79	75	440770	47.706	ug/l	99
37) Ethyl Acetate	6.93	43	269645	52.255	ug/l	99
38) Carbon Tetrachloride	7.78	117	445460	47.860	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	504008	45.980	ug/l	99
40) Benzene	8.04	78	1349814	47.376	ug/l	99
41) Methacrylonitrile	7.17	41	142802	49.515	ug/l	89
42) 1,2-Dichloroethane	8.13	62	405744	47.962	ug/l	100
43) Isopropyl Acetate	8.16	43	488295	48.999	ug/l	98
44) Trichloroethene	8.84	130	381106	46.984	ug/l	96
45) 1,2-Dichloropropane	9.12	63	358079	49.137	ug/l	98
46) Dibromomethane	9.21	93	216133	49.200	ug/l	98
47) Bromodichloromethane	9.40	83	446693	48.906	ug/l	99
48) Methyl methacrylate	9.20	41	247784	52.089	ug/l	99
49) 1,4-Dioxane	9.20	88	67045	973.757	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1266099	258.545	ug/l	100
52) Toluene	10.16	92	825844	48.839	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	447889	48.970	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	523575	48.309	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	306889	50.366	ug/l	99
56) Ethyl methacrylate	10.43	69	370658	51.421	ug/l	100
57) 1,3-Dichloropropane	10.71	76	516174	49.567	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	966760	217.339	ug/l	98
59) 2-Hexanone	10.75	43	807055	242.764	ug/l	99
60) Dibromochloromethane	10.90	129	348002	50.647	ug/l	100
61) 1,2-Dibromoethane	11.01	107	295619	49.018	ug/l	100
64) Tetrachloroethene	10.63	164	355076	45.931	ug/l	100
65) Chlorobenzene	11.44	112	908694	47.437	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	337182	50.401	ug/l	99
67) Ethyl Benzene	11.51	91	1519095	48.276	ug/l	100
68) m/p-Xylenes	11.62	106	1179795	98.236	ug/l	98
69) o-Xylene	11.95	106	576703	49.705	ug/l	98
70) Styrene	11.97	104	938451	49.902	ug/l	99
71) Bromoform	12.13	173	242432	52.858	ug/l #	99
73) Isopropylbenzene	12.25	105	1491653	48.842	ug/l	100
74) N-amyl acetate	12.07	43	383678	52.244	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	358957	49.111	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	297036m	53.232	ug/l	
77) Bromobenzene	12.53	156	395707	48.076	ug/l	98
78) n-propylbenzene	12.59	91	1723135	48.807	ug/l	100
79) 2-Chlorotoluene	12.68	91	1020080	48.701	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1291335	50.990	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	96543	48.650	ug/l	99
82) 4-Chlorotoluene	12.77	91	1037189	48.257	ug/l	100
83) tert-Butylbenzene	12.99	119	1130696	50.516	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1314297	50.938	ug/l	100
85) sec-Butylbenzene	13.17	105	1518463	49.853	ug/l	99
86) p-Isopropyltoluene	13.29	119	1338824	50.258	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	694863	46.962	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	692366	47.305	ug/l	99
89) n-Butylbenzene	13.62	91	1124908	48.787	ug/l	99
90) Hexachloroethane	13.87	117	227505	51.776	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	687729	48.551	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	52679	50.572	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	402038	49.487	ug/l	99
94) Hexachlorobutadiene	15.01	225	241736	47.780	ug/l	99
95) Naphthalene	15.13	128	868201	45.650	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	375644	49.833	ug/l	99

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

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