

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120518\
 Data File : VN052686.D
 Acq On : 5 Dec 2018 19:34
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/6/2018 9:09:06 AM

Quant Time: Dec 06 06:00:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	936513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1455429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1308739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	615075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	508417	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	7.59	113	457728	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.09	98	1747660	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	610361	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	376676	42.956	ug/l	97
3) Chloromethane	2.06	50	498794	43.092	ug/l	100
4) Vinyl Chloride	2.19	62	522764	43.965	ug/l	100
5) Bromomethane	2.57	94	300767	40.540	ug/l	99
6) Chloroethane	2.71	64	316288	43.915	ug/l	100
7) Trichlorofluoromethane	3.02	101	689896	47.235	ug/l	99
8) Diethyl Ether	3.41	74	271393	50.317	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	436627	47.909	ug/l	99
10) Methyl Iodide	3.96	142	655250	53.981	ug/l	99
11) Tert butyl alcohol	4.78	59	128764	252.238	ug/l	98
12) 1,1-Dichloroethene	3.74	96	409245	46.650	ug/l	100
13) Acrolein	3.61	56	159219	179.457	ug/l	97
14) Allyl chloride	4.33	41	718919	47.548	ug/l	99
15) Acrylonitrile	4.99	53	840230	260.017	ug/l	100
16) Acetone	3.82	43	595974	221.590	ug/l	100
17) Carbon Disulfide	4.06	76	1098575	39.793	ug/l	99
18) Methyl Acetate	4.32	43	435666	56.471	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1202170	51.505	ug/l	98
20) Methylene Chloride	4.55	84	492270	46.772	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	441768	47.150	ug/l	96
22) Diisopropyl ether	5.95	45	1557499	49.041	ug/l	98
23) Vinyl Acetate	5.90	43	4842352	244.792	ug/l	99
24) 1,1-Dichloroethane	5.85	63	877010	48.364	ug/l	100
25) 2-Butanone	6.83	43	952827	249.945	ug/l	99
26) 2,2-Dichloropropane	6.83	77	610578	48.646	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	533576	48.888	ug/l	98
28) Bromochloromethane	7.20	49	418869	50.573	ug/l	96
29) Tetrahydrofuran	7.21	42	620001	252.155	ug/l	98
30) Chloroform	7.37	83	872694	48.237	ug/l	99
31) Cyclohexane	7.65	56	776756	44.214	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	714601	49.853	ug/l	98
36) 1,1-Dichloropropene	7.79	75	652237	47.456	ug/l	99
37) Ethyl Acetate	6.93	43	412121	49.133	ug/l	99
38) Carbon Tetrachloride	7.78	117	613871	49.339	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	766359	45.875	ug/l	98
40) Benzene	8.04	78	1990240	48.590	ug/l	100
41) Methacrylonitrile	7.17	41	246389	53.730	ug/l	96
42) 1,2-Dichloroethane	8.12	62	622962	50.230	ug/l	99
43) Isopropyl Acetate	8.16	43	765205	53.907	ug/l #	88
44) Trichloroethene	8.83	130	519461	49.511	ug/l	98
45) 1,2-Dichloropropane	9.12	63	539228	49.517	ug/l	99
46) Dibromomethane	9.21	93	310152	51.449	ug/l	100
47) Bromodichloromethane	9.40	83	662742	50.565	ug/l	100
48) Methyl methacrylate	9.20	41	384910	52.004	ug/l	98
49) 1,4-Dioxane	9.20	88	77238	1005.497	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2126542	267.010	ug/l	99
52) Toluene	10.16	92	1221201	50.181	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	668123	52.988	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	779476	51.586	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	450179	52.589	ug/l	100
56) Ethyl methacrylate	10.43	69	588955	49.571	ug/l	99
57) 1,3-Dichloropropane	10.71	76	767563	50.781	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1672518	269.259	ug/l	99
59) 2-Hexanone	10.75	43	1422733	266.168	ug/l	99
60) Dibromochloromethane	10.90	129	499491	53.724	ug/l	99
61) 1,2-Dibromoethane	11.01	107	443404	52.152	ug/l	99
64) Tetrachloroethene	10.63	164	546838	53.891	ug/l	98
65) Chlorobenzene	11.43	112	1344228	49.812	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	482387	51.410	ug/l	100
67) Ethyl Benzene	11.51	91	2358179	49.901	ug/l	100
68) m/p-Xylenes	11.62	106	1768916	100.548	ug/l	99
69) o-Xylene	11.95	106	870164	50.934	ug/l	99
70) Styrene	11.96	104	1425444	52.385	ug/l	99
71) Bromoform	12.13	173	340444	54.797	ug/l #	99
73) Isopropylbenzene	12.25	105	2319854	48.074	ug/l	99
74) N-amyl acetate	12.07	43	641780	52.642	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	531642	48.431	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	454237m	47.891	ug/l	
77) Bromobenzene	12.53	156	587771	49.278	ug/l	98
78) n-propylbenzene	12.59	91	2664875	48.610	ug/l	100
79) 2-Chlorotoluene	12.68	91	1553225	47.577	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1875021	48.719	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	149264	52.555	ug/l	99
82) 4-Chlorotoluene	12.77	91	1572169	47.783	ug/l	99
83) tert-Butylbenzene	12.99	119	1673034	48.761	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1900109	49.264	ug/l	100
85) sec-Butylbenzene	13.17	105	2259275	48.345	ug/l	99
86) p-Isopropyltoluene	13.29	119	1950723	49.009	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1018109	48.797	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1004229	48.865	ug/l	100
89) n-Butylbenzene	13.62	91	1637131	49.456	ug/l	99
90) Hexachloroethane	13.88	117	326428	48.434	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1007719	50.554	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81391	51.841	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	517191	47.512	ug/l	100
94) Hexachlorobutadiene	15.01	225	308162	48.055	ug/l	99
95) Naphthalene	15.13	128	1083503	47.009	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	484430	48.346	ug/l	100

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

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