

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042419\
 Data File : VN055215.D
 Acq On : 24 Apr 2019 9:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 12:39:57 PM

Quant Time: Apr 25 04:24:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	456353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	707829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	603377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	250107	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	295524	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
35) Dibromofluoromethane	7.59	113	236065	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	10.09	98	869592	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.40	95	281449	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	305347	51.967	ug/l	98
3) Chloromethane	2.06	50	333565	46.329	ug/l	100
4) Vinyl Chloride	2.19	62	270363	46.863	ug/l	98
5) Bromomethane	2.55	94	142301	42.532	ug/l	100
6) Chloroethane	2.70	64	138792	45.644	ug/l	99
7) Trichlorofluoromethane	3.01	101	393786	50.157	ug/l	99
8) Diethyl Ether	3.41	74	137189	48.957	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	235353	48.040	ug/l	99
10) Methyl Iodide	3.95	142	354575	51.611	ug/l	99
11) Tert butyl alcohol	4.79	59	91604	254.023	ug/l	96
12) 1,1-Dichloroethene	3.74	96	227780	48.515	ug/l	99
13) Acrolein	3.61	56	138481	255.939	ug/l	99
14) Allyl chloride	4.32	41	455499	49.075	ug/l	99
15) Acrylonitrile	4.99	53	495585	250.586	ug/l	100
16) Acetone	3.82	43	499354	244.547	ug/l	99
17) Carbon Disulfide	4.05	76	637292	48.552	ug/l	99
18) Methyl Acetate	4.32	43	226276	51.606	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	642091	49.464	ug/l	99
20) Methylene Chloride	4.55	84	262850	44.776	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	240268	48.802	ug/l	97
22) Diisopropyl ether	5.95	45	912560	49.324	ug/l	98
23) Vinyl Acetate	5.90	43	3241896	260.755	ug/l	100
24) 1,1-Dichloroethane	5.85	63	473820	47.613	ug/l	99
25) 2-Butanone	6.83	43	652329	247.448	ug/l	100
26) 2,2-Dichloropropane	6.82	77	332629	49.393	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	270689	47.695	ug/l	99
28) Bromochloromethane	7.19	49	237662	46.850	ug/l	99
29) Tetrahydrofuran	7.21	42	406938	251.061	ug/l	99
30) Chloroform	7.37	83	446602	47.179	ug/l	96
31) Cyclohexane	7.65	56	454789	48.783	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	371684	48.874	ug/l	99
36) 1,1-Dichloropropene	7.79	75	342827	52.183	ug/l	99
37) Ethyl Acetate	6.93	43	264921	49.966	ug/l	100
38) Carbon Tetrachloride	7.77	117	323596	52.599	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	388467	49.564	ug/l	100
40) Benzene	8.04	78	1015791	50.088	ug/l	100
41) Methacrylonitrile	7.17	41	142085	51.115	ug/l	93
42) 1,2-Dichloroethane	8.12	62	350436	49.530	ug/l	100
43) Isopropyl Acetate	8.16	43	460464	53.631	ug/l #	88
44) Trichloroethene	8.84	130	260754	50.870	ug/l	99
45) 1,2-Dichloropropane	9.12	63	284333	49.668	ug/l	99
46) Dibromomethane	9.21	93	160170	48.875	ug/l	98
47) Bromodichloromethane	9.40	83	339030	51.678	ug/l	99
48) Methyl methacrylate	9.20	41	213781	51.332	ug/l	98
49) 1,4-Dioxane	9.20	88	46527	967.392	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1265775	256.205	ug/l	100
52) Toluene	10.16	92	592926	49.872	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	330389	54.876	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	395957	52.997	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	219271	50.026	ug/l	98
56) Ethyl methacrylate	10.43	69	288912	52.911	ug/l	99
57) 1,3-Dichloropropane	10.71	76	384628	50.436	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	420147	201.963	ug/l	100
59) 2-Hexanone	10.75	43	802499	257.159	ug/l	100
60) Dibromochloromethane	10.90	129	235474	52.157	ug/l	100
61) 1,2-Dibromoethane	11.00	107	212243	51.502	ug/l	100
64) Tetrachloroethene	10.63	164	250550	50.902	ug/l	99
65) Chlorobenzene	11.43	112	598402	48.589	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	229929	50.373	ug/l	100
67) Ethyl Benzene	11.51	91	1105597	50.397	ug/l	99
68) m/p-Xylenes	11.62	106	805683	102.397	ug/l	99
69) o-Xylene	11.95	106	386485	49.496	ug/l	97
70) Styrene	11.96	104	645927	53.366	ug/l	99
71) Bromoform	12.13	173	145683	53.484	ug/l #	99
73) Isopropylbenzene	12.25	105	1054938	52.611	ug/l	100
74) N-amyl acetate	12.07	43	327039	50.717	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	264124	52.032	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	227330m	44.803	ug/l	
77) Bromobenzene	12.53	156	247940	44.904	ug/l	98
78) n-propylbenzene	12.59	91	1174303	46.818	ug/l	99
79) 2-Chlorotoluene	12.67	91	703516	44.419	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	860286	45.948	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	65192	48.705	ug/l	96
82) 4-Chlorotoluene	12.77	91	689165	47.293	ug/l	99
83) tert-Butylbenzene	12.99	119	724074	51.535	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	835765	47.302	ug/l	98
85) sec-Butylbenzene	13.17	105	949575	44.830	ug/l	99
86) p-Isopropyltoluene	13.29	119	832182	47.688	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	412824	48.705	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	396014	47.989	ug/l	99
89) n-Butylbenzene	13.61	91	669266	51.741	ug/l	99
90) Hexachloroethane	13.87	117	137508	44.430	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	400405	45.992	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36186	47.646	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	169389	46.271	ug/l	99
94) Hexachlorobutadiene	15.01	225	134191	53.094	ug/l	98
95) Naphthalene	15.13	128	343594	43.227	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	170828	46.904	ug/l	99

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

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