

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081319\
 Data File : VN057249.D
 Acq On : 13 Aug 2019 16:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/22/2019 9:48:51 AM

Quant Time: Aug 22 09:34:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 22 09:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1204848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1739067	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1553742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	667608	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	610400	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	7.58	113	556875	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.09	98	2110835	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.40	95	718649	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	498521	49.083	ug/l	100
3) Chloromethane	2.05	50	546646	47.474	ug/l	97
4) Vinyl Chloride	2.18	62	558962	49.975	ug/l	98
5) Bromomethane	2.55	94	425291	52.876	ug/l	99
6) Chloroethane	2.69	64	373094	50.731	ug/l	99
7) Trichlorofluoromethane	3.02	101	878650	49.929	ug/l	98
8) Diethyl Ether	3.40	74	330753	51.868	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	531112	50.262	ug/l	99
10) Methyl Iodide	3.95	142	841903	51.287	ug/l	99
11) Tert butyl alcohol	4.76	59	421152	257.305	ug/l #	82
12) 1,1-Dichloroethene	3.73	96	526835	50.249	ug/l	98
13) Acrolein	3.60	56	283311	241.934	ug/l	99
14) Allyl chloride	4.31	41	831223	52.263	ug/l	99
15) Acrylonitrile	4.97	53	1206589	261.661	ug/l	99
16) Acetone	3.81	43	1091696	261.988	ug/l	99
17) Carbon Disulfide	4.05	76	1438177	50.184	ug/l	97
18) Methyl Acetate	4.31	43	556326	51.832	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	1623637	51.862	ug/l	100
20) Methylene Chloride	4.54	84	588905	48.381	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	570864	51.077	ug/l	96
22) Diisopropyl ether	5.94	45	1617139	51.713	ug/l	99
23) Vinyl Acetate	5.88	43	6539253	263.891	ug/l	99
24) 1,1-Dichloroethane	5.84	63	1005137	51.018	ug/l	100
25) 2-Butanone	6.82	43	1570984	265.172	ug/l	99
26) 2,2-Dichloropropane	6.82	77	846587	52.375	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	659875	51.200	ug/l	99
28) Bromochloromethane	7.18	49	432937	49.798	ug/l	99
29) Tetrahydrofuran	7.20	42	977686	258.150	ug/l	100
30) Chloroform	7.36	83	1021052	49.613	ug/l	98
31) Cyclohexane	7.65	56	862445	50.087	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	901654	51.795	ug/l	99
36) 1,1-Dichloropropene	7.79	75	792650	52.133	ug/l	99
37) Ethyl Acetate	6.91	43	624196	51.077	ug/l	98
38) Carbon Tetrachloride	7.77	117	810557	50.185	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	935675	51.977	ug/l	98
40) Benzene	8.03	78	2342845	50.721	ug/l	98
41) Methacrylonitrile	7.16	41	266859	52.138	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	744750	50.315	ug/l	99
43) Isopropyl Acetate	8.15	43	1060991	52.717	ug/l	100
44) Trichloroethene	8.83	130	684429	51.117	ug/l	97
45) 1,2-Dichloropropane	9.11	63	609636	52.097	ug/l	99
46) Dibromomethane	9.20	93	392857	49.792	ug/l	98
47) Bromodichloromethane	9.40	83	796352	52.352	ug/l	100
48) Methyl methacrylate	9.19	41	503660	54.084	ug/l	99
49) 1,4-Dioxane	9.19	88	204469	974.282	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	3023004	255.792	ug/l	99
52) Toluene	10.15	92	1484164	51.720	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	866942	53.282	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	982041	53.553	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	567646	50.608	ug/l	99
56) Ethyl methacrylate	10.43	69	830335	52.764	ug/l	99
57) 1,3-Dichloropropane	10.70	76	945576	51.096	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1183610	256.695	ug/l	100
59) 2-Hexanone	10.75	43	2197622	262.082	ug/l	100
60) Dibromochloromethane	10.90	129	655523	52.115	ug/l	99
61) 1,2-Dibromoethane	11.00	107	603009	51.784	ug/l	100
64) Tetrachloroethene	10.63	164	674392	49.140	ug/l	99
65) Chlorobenzene	11.43	112	1624698	51.101	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	623468	50.780	ug/l	99
67) Ethyl Benzene	11.51	91	2845953	52.433	ug/l	99
68) m/p-Xylenes	11.62	106	2159443	106.632	ug/l	100
69) o-Xylene	11.95	106	1036298	52.263	ug/l	100
70) Styrene	11.96	104	1738870	56.642	ug/l	99
71) Bromoform	12.13	173	501492	53.305	ug/l #	100
73) Isopropylbenzene	12.25	105	2817171	54.929	ug/l	99
74) N-amyl acetate	12.07	43	840863	53.661	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	759636	54.541	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	570391m	48.689	ug/l	
77) Bromobenzene	12.53	156	743767	53.679	ug/l	100
78) n-propylbenzene	12.59	91	3039759	54.283	ug/l	100
79) 2-Chlorotoluene	12.67	91	1836809	54.508	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2375553	54.567	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	242637	48.817	ug/l	98
82) 4-Chlorotoluene	12.77	91	1786577	49.068	ug/l	99
83) tert-Butylbenzene	12.99	119	2108015	54.786	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2264780	48.174	ug/l	99
85) sec-Butylbenzene	13.17	105	2655698	54.091	ug/l	100
86) p-Isopropyltoluene	13.29	119	2358001	48.032	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1186971	51.322	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1120929	49.830	ug/l	99
89) n-Butylbenzene	13.62	91	1738175	50.478	ug/l	99
90) Hexachloroethane	13.88	117	427648	52.350	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1169889	51.881	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	120138	53.872	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	518447	58.412	ug/l	100
94) Hexachlorobutadiene	15.01	225	489340	57.525	ug/l	98
95) Naphthalene	15.13	128	892186	60.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	493037	61.401	ug/l	97

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

