

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081319\
 Data File : VN057247.D
 Acq On : 13 Aug 2019 14:46
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081319

Manual Integrations
 APPROVED

MMDadoda
 8/22/2019 9:48:47 AM

Quant Time: Aug 22 09:31:54 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	1258966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1819689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1652949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	658088	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	634407	49.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.90%	
35) Dibromofluoromethane	7.58	113	583082	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.36%	
50) Toluene-d8	10.08	98	2257708	53.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.40	95	747810	51.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	506708	47.744	ug/l	100
3) Chloromethane	2.05	50	619912	51.523	ug/l	99
4) Vinyl Chloride	2.18	62	576517	49.329	ug/l	100
5) Bromomethane	2.54	94	439136m	52.250	ug/l	
6) Chloroethane	2.69	64	389283	50.657	ug/l	100
7) Trichlorofluoromethane	3.02	101	876959	47.691	ug/l	99
8) Diethyl Ether	3.40	74	331845	49.802	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	529863	47.988	ug/l	99
10) Methyl Iodide	3.95	142	871473	50.807	ug/l	99
11) Tert butyl alcohol	4.76	59	425995	249.076	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	525534	47.971	ug/l	98
13) Acrolein	3.60	56	309395	252.851	ug/l	99
14) Allyl chloride	4.32	41	824111	49.588	ug/l	99
15) Acrylonitrile	4.97	53	1233262	255.949	ug/l	99
16) Acetone	3.80	43	1069950	245.732	ug/l	100
17) Carbon Disulfide	4.05	76	1478487	49.373	ug/l	99
18) Methyl Acetate	4.31	43	560341	49.919	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	1603274	49.010	ug/l	98
20) Methylene Chloride	4.54	84	608928	47.875	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	570481	48.849	ug/l	98
22) Diisopropyl ether	5.94	45	1623337	49.680	ug/l	99
23) Vinyl Acetate	5.88	43	6537698	252.487	ug/l	100
24) 1,1-Dichloroethane	5.84	63	1007264	48.928	ug/l	100
25) 2-Butanone	6.82	43	1566519	253.052	ug/l	99
26) 2,2-Dichloropropane	6.82	77	827769	49.009	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	663187	49.245	ug/l	100
28) Bromochloromethane	7.19	49	450437	49.584	ug/l	98
29) Tetrahydrofuran	7.20	42	984645	248.811	ug/l	99
30) Chloroform	7.36	83	1024084	47.621	ug/l	97
31) Cyclohexane	7.65	56	860917	47.849	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	908210	49.929	ug/l	99
36) 1,1-Dichloropropene	7.79	75	784711	49.324	ug/l	99
37) Ethyl Acetate	6.91	43	622988	48.720	ug/l	99
38) Carbon Tetrachloride	7.77	117	813705	48.148	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	941332	49.975	ug/l	99
40) Benzene	8.04	78	2366055	48.954	ug/l	98
41) Methacrylonitrile	7.16	41	292024	54.526	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	750760	48.474	ug/l	99
43) Isopropyl Acetate	8.16	43	1058661	50.271	ug/l	100
44) Trichloroethene	8.83	130	677372	48.349	ug/l	100
45) 1,2-Dichloropropane	9.11	63	603015	49.248	ug/l	99
46) Dibromomethane	9.20	93	399819	48.429	ug/l	99
47) Bromodichloromethane	9.40	83	802833	50.439	ug/l	100
48) Methyl methacrylate	9.19	41	510799	52.420	ug/l	99
49) 1,4-Dioxane	9.19	88	213302	971.340	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	3128821	253.016	ug/l	100
52) Toluene	10.15	92	1518010	50.556	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	885300	51.999	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	977490	50.943	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	579167	49.347	ug/l	98
56) Ethyl methacrylate	10.43	69	861674	52.330	ug/l	99
57) 1,3-Dichloropropane	10.70	76	951158	49.120	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1111131	232.411	ug/l	99
59) 2-Hexanone	10.75	43	2255233	257.037	ug/l	100
60) Dibromochloromethane	10.90	129	670566	50.949	ug/l	98
61) 1,2-Dibromoethane	11.00	107	616552	50.601	ug/l	99
64) Tetrachloroethene	10.63	164	680079	46.580	ug/l	98
65) Chlorobenzene	11.43	112	1661515	49.122	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	626411	47.958	ug/l	98
67) Ethyl Benzene	11.51	91	2874347	49.778	ug/l	99
68) m/p-Xylenes	11.62	106	2166001	100.536	ug/l	100
69) o-Xylene	11.95	106	1062188	50.354	ug/l	98
70) Styrene	11.96	104	1733916	53.090	ug/l	100
71) Bromoform	12.12	173	513076	51.264	ug/l	100
73) Isopropylbenzene	12.25	105	2838306	56.208	ug/l	98
74) N-amyl acetate	12.07	43	836363	54.156	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	794713	58.142	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	641412m	56.060	ug/l	
77) Bromobenzene	12.53	156	758478	55.616	ug/l	98
78) n-propylbenzene	12.59	91	2978125	53.944	ug/l	100
79) 2-Chlorotoluene	12.67	91	1822235	54.873	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2363416	55.095	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	255008	52.048	ug/l	99
82) 4-Chlorotoluene	12.77	91	1731546	48.245	ug/l	99
83) tert-Butylbenzene	12.99	119	2111436	55.717	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2253110	48.619	ug/l	100
85) sec-Butylbenzene	13.17	105	2611306	53.953	ug/l	99
86) p-Isopropyltoluene	13.29	119	2333773	48.226	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1129434	49.541	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1054119	47.538	ug/l	100
89) n-Butylbenzene	13.62	91	1747085	51.471	ug/l	100
90) Hexachloroethane	13.88	117	437340	54.378	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1066265	47.970	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	101029	45.959	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	395667	45.957	ug/l	98
94) Hexachlorobutadiene	15.01	225	468831	55.789	ug/l	99
95) Naphthalene	15.13	128	709897	51.288	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	357725	46.313	ug/l	98

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

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