

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\
 Data File : VN057211.D
 Acq On : 12 Aug 2019 13:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:23:48 AM

Quant Time: Aug 13 02:08:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	976215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1402256	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1284642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	527549	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	516086	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
35) Dibromofluoromethane	6.98	113	470168	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
50) Toluene-d8	9.56	98	1802146	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
62) 4-Bromofluorobenzene	11.92	95	615765	56.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.82	85	357369	45.547	ug/l	97
3) Chloromethane	2.00	50	423801	40.652	ug/l	98
4) Vinyl Chloride	2.11	62	429085	44.280	ug/l	99
5) Bromomethane	2.42	94	311635	47.331	ug/l	97
6) Chloroethane	2.55	64	294366	47.360	ug/l	98
7) Trichlorofluoromethane	2.82	101	674623	48.434	ug/l	99
8) Diethyl Ether	3.14	74	262587	48.795	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.44	101	418698	49.587	ug/l	98
10) Methyl Iodide	3.63	142	667062	52.279	ug/l	99
11) Tert butyl alcohol	4.24	59	338999	237.280	ug/l	100
12) 1,1-Dichloroethene	3.43	96	410253	49.388	ug/l	97
13) Acrolein	3.31	56	164446	181.947	ug/l	100
14) Allyl chloride	3.91	41	593307	49.149	ug/l	97
15) Acrylonitrile	4.44	53	961972	248.788	ug/l	98
16) Acetone	3.47	43	821905	271.078	ug/l	99
17) Carbon Disulfide	3.72	76	1032215	46.710	ug/l	100
18) Methyl Acetate	3.89	43	458598	50.776	ug/l	100
19) Methyl tert-butyl Ether	4.49	73	1282012	51.122	ug/l	99
20) Methylene Chloride	4.10	84	477570	47.726	ug/l	99
21) trans-1,2-Dichloroethene	4.50	96	442813	48.937	ug/l	97
22) Diisopropyl ether	5.31	45	1302635	49.471	ug/l	98
23) Vinyl Acetate	5.26	43	5147743	255.302	ug/l	99
24) 1,1-Dichloroethane	5.25	63	788245	48.697	ug/l	99
25) 2-Butanone	6.20	43	1198058	258.625	ug/l	99
26) 2,2-Dichloropropane	6.21	77	656030	55.708	ug/l	100
27) cis-1,2-Dichloroethene	6.21	96	521643	50.321	ug/l	99
28) Bromochloromethane	6.58	49	395770	53.157	ug/l	97
29) Tetrahydrofuran	6.60	42	769095	246.458	ug/l	99
30) Chloroform	6.76	83	824628	49.222	ug/l	97
31) Cyclohexane	7.06	56	654340	44.933	ug/l	99
32) 1,1,1-Trichloroethane	6.98	97	718674	51.137	ug/l	99
36) 1,1-Dichloropropene	7.20	75	605515	52.446	ug/l	99
37) Ethyl Acetate	6.28	43	489868	51.471	ug/l #	100
38) Carbon Tetrachloride	7.18	117	637818	53.008	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	711257	50.658	ug/l	98
40) Benzene	7.46	78	1871750	51.211	ug/l	99
41) Methacrylonitrile	6.54	41	262222	54.240	ug/l	99
42) 1,2-Dichloroethane	7.54	62	601675	51.616	ug/l	99
43) Isopropyl Acetate	7.56	43	863925	53.192	ug/l	98
44) Trichloroethene	8.27	130	528059	51.569	ug/l	98
45) 1,2-Dichloropropane	8.56	63	485561	51.308	ug/l	100
46) Dibromomethane	8.65	93	317667	52.351	ug/l	97
47) Bromodichloromethane	8.85	83	644731	54.912	ug/l	97
48) Methyl methacrylate	8.63	41	387115	50.546	ug/l	98
49) 1,4-Dioxane	8.64	88	171387	1098.754	ug/l	99
51) 4-Methyl-2-Pentanone	9.45	43	2437409	257.856	ug/l	100
52) Toluene	9.63	92	1191093	52.501	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	700036	57.072	ug/l	99
54) cis-1,3-Dichloropropene	9.30	75	775977	55.133	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	465091	52.131	ug/l	99
56) Ethyl methacrylate	9.90	69	666813	53.381	ug/l	99
57) 1,3-Dichloropropane	10.19	76	762005	51.793	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.15	63	973236	198.257	ug/l	98
59) 2-Hexanone	10.24	43	1744898	272.750	ug/l	100
60) Dibromochloromethane	10.39	129	532719	56.855	ug/l	99
61) 1,2-Dibromoethane	10.50	107	494673	53.733	ug/l	100
64) Tetrachloroethene	10.11	164	547007	51.200	ug/l	96
65) Chlorobenzene	10.93	112	1321689	51.133	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.01	131	511873	52.970	ug/l	99
67) Ethyl Benzene	11.01	91	2307989	51.880	ug/l	99
68) m/p-Xylenes	11.13	106	1746336	106.554	ug/l	99
69) o-Xylene	11.46	106	858902	52.657	ug/l	98
70) Styrene	11.47	104	1403366	55.083	ug/l	99
71) Bromoform	11.64	173	398363	56.276	ug/l #	99
73) Isopropylbenzene	11.77	105	2293080	53.555	ug/l	100
74) N-amyl acetate	11.59	43	660222	49.386	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.02	83	624769	54.704	ug/l	100
76) 1,2,3-Trichloropropane	12.08	75	567936m	55.485	ug/l	
77) Bromobenzene	12.05	156	611988	48.263	ug/l	99
78) n-propylbenzene	12.11	91	2439337	48.198	ug/l	99
79) 2-Chlorotoluene	12.20	91	1485623	52.792	ug/l	99
80) 1,3,5-Trimethylbenzene	12.26	105	1945303	47.763	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	197514	55.050	ug/l	97
82) 4-Chlorotoluene	12.30	91	1433300	48.911	ug/l	100
83) tert-Butylbenzene	12.52	119	1727852	53.983	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	1859302	47.230	ug/l	100
85) sec-Butylbenzene	12.70	105	2139434	46.547	ug/l	98
86) p-Isopropyltoluene	12.82	119	1929221	47.835	ug/l	100
87) 1,3-Dichlorobenzene	12.81	146	949542	52.599	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	875556	51.189	ug/l	99
89) n-Butylbenzene	13.15	91	1432118	51.397	ug/l	100
90) Hexachloroethane	13.41	117	349302	54.572	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	896180	49.713	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.81	75	81267	43.822	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	332941	44.312	ug/l	98
94) Hexachlorobutadiene	14.55	225	384313	61.990	ug/l	99
95) Naphthalene	14.67	128	595483	40.732	ug/l	99
96) 1,2,3-Trichlorobenzene	14.84	180	290074	38.207	ug/l	98

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

