

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055933.D
 Acq On : 31 May 2019 21:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 4:12:26 PM

Quant Time: Jun 03 08:55:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	296174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	457898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	406867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174273	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	169951	55.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.12%	
35) Dibromofluoromethane	7.59	113	148789	51.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.80%	
50) Toluene-d8	10.09	98	556953	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.40	95	189872	49.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	91115	45.711	ug/l	100
3) Chloromethane	2.06	50	130830	46.846	ug/l	100
4) Vinyl Chloride	2.18	62	141712	47.574	ug/l	99
5) Bromomethane	2.52	94	97455	52.295	ug/l	98
6) Chloroethane	2.68	64	93336	52.044	ug/l	100
7) Trichlorofluoromethane	3.00	101	196475	50.310	ug/l	97
8) Diethyl Ether	3.40	74	91204	52.107	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	125694	51.561	ug/l	99
10) Methyl Iodide	3.94	142	186467	52.319	ug/l	99
11) Tert butyl alcohol	4.82	59	146189	250.150	ug/l	98
12) 1,1-Dichloroethene	3.72	96	123803	49.150	ug/l	99
13) Acrolein	3.60	56	93211	222.748	ug/l	98
14) Allyl chloride	4.31	41	209357	48.484	ug/l	99
15) Acrylonitrile	4.99	53	374808	279.302	ug/l	99
16) Acetone	3.82	43	314338	233.793	ug/l	100
17) Carbon Disulfide	4.04	76	270195	37.755	ug/l	99
18) Methyl Acetate	4.32	43	165883	60.965	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	444409	52.901	ug/l	99
20) Methylene Chloride	4.54	84	151966	52.190	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	134564	49.726	ug/l	97
22) Diisopropyl ether	5.95	45	454932	54.168	ug/l	98
23) Vinyl Acetate	5.90	43	1870504	259.763	ug/l	100
24) 1,1-Dichloroethane	5.84	63	255736	52.299	ug/l	100
25) 2-Butanone	6.84	43	503841	268.325	ug/l	100
26) 2,2-Dichloropropane	6.82	77	172844	40.842	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	168340	53.320	ug/l	98
28) Bromochloromethane	7.19	49	128381	55.143	ug/l	99
29) Tetrahydrofuran	7.22	42	329413	277.025	ug/l	100
30) Chloroform	7.37	83	262444	53.817	ug/l	98
31) Cyclohexane	7.65	56	223184	48.614	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	219106	50.349	ug/l	100
36) 1,1-Dichloropropene	7.79	75	185169	46.404	ug/l	100
37) Ethyl Acetate	6.93	43	195088	50.584	ug/l	100
38) Carbon Tetrachloride	7.77	117	183042	44.037	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	224488	45.430	ug/l	100
40) Benzene	8.04	78	602789	50.123	ug/l	100
41) Methacrylonitrile	7.18	41	105163	53.973	ug/l	94
42) 1,2-Dichloroethane	8.12	62	197176	50.175	ug/l	100
43) Isopropyl Acetate	8.17	43	319618	49.324	ug/l #	92
44) Trichloroethene	8.83	130	165287	49.299	ug/l	100
45) 1,2-Dichloropropane	9.12	63	160997	51.382	ug/l	99
46) Dibromomethane	9.21	93	104299	50.756	ug/l	99
47) Bromodichloromethane	9.40	83	199153	47.264	ug/l	99
48) Methyl methacrylate	9.20	41	155625	52.110	ug/l	99
49) 1,4-Dioxane	9.21	88	63251	1019.176	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	995863	260.216	ug/l	100
52) Toluene	10.16	92	379545	50.180	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	207783	46.198	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	237816	47.729	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	157969	52.133	ug/l	99
56) Ethyl methacrylate	10.43	69	237011	50.612	ug/l	99
57) 1,3-Dichloropropane	10.71	76	256170	52.011	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	429974	240.260	ug/l	99
59) 2-Hexanone	10.75	43	675462	248.793	ug/l	99
60) Dibromochloromethane	10.90	129	162119	45.928	ug/l	99
61) 1,2-Dibromoethane	11.00	107	161819	51.486	ug/l	100
64) Tetrachloroethene	10.63	164	168383	49.068	ug/l	100
65) Chlorobenzene	11.43	112	406147	49.865	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	153446	47.236	ug/l	99
67) Ethyl Benzene	11.51	91	715253	48.969	ug/l	100
68) m/p-Xylenes	11.62	106	544601	98.626	ug/l	99
69) o-Xylene	11.95	106	270731	49.417	ug/l	99
70) Styrene	11.96	104	444353	50.086	ug/l	100
71) Bromoform	12.13	173	115727	41.766	ug/l #	100
73) Isopropylbenzene	12.25	105	709509	57.641	ug/l	100
74) N-amyl acetate	12.07	43	254841	54.192	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	213678	58.780	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	175422m	59.027	ug/l	
77) Bromobenzene	12.53	156	184664	49.657	ug/l	100
78) n-propylbenzene	12.59	91	753138	49.723	ug/l	100
79) 2-Chlorotoluene	12.67	91	458007	56.467	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	573347	55.213	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54083	41.755	ug/l	92
82) 4-Chlorotoluene	12.77	91	443416	49.802	ug/l	99
83) tert-Butylbenzene	12.99	119	508932	56.838	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	571754	55.123	ug/l	100
85) sec-Butylbenzene	13.17	105	654551	56.081	ug/l	99
86) p-Isopropyltoluene	13.29	119	586108	48.428	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	293430	49.831	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	279534	49.930	ug/l	100
89) n-Butylbenzene	13.61	91	446738	48.176	ug/l	100
90) Hexachloroethane	13.87	117	97136	42.167	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	293116	49.893	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34717	44.960	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	143125	42.900	ug/l	99
94) Hexachlorobutadiene	15.01	225	99117	47.861	ug/l	100
95) Naphthalene	15.13	128	410824	50.960	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	156239	50.310	ug/l	100

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

