

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061419\
 Data File : VN056324.D
 Acq On : 14 Jun 2019 20:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 9:45:29 AM

Quant Time: Jun 15 00:45:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	305431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	482159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	434399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182538	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	175715	57.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.88%	
35) Dibromofluoromethane	7.59	113	157208	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
50) Toluene-d8	10.09	98	571031	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	198114	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	158959	47.392	ug/l	100
3) Chloromethane	2.06	50	175615	53.042	ug/l	99
4) Vinyl Chloride	2.18	62	174455	52.529	ug/l	99
5) Bromomethane	2.52	94	94383	44.989	ug/l	100
6) Chloroethane	2.68	64	102302	53.128	ug/l	100
7) Trichlorofluoromethane	3.00	101	224993	53.067	ug/l	99
8) Diethyl Ether	3.40	74	93276	53.498	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	141705	55.021	ug/l	98
10) Methyl Iodide	3.94	142	182521	44.595	ug/l	98
11) Tert butyl alcohol	4.82	59	142092	269.241	ug/l	98
12) 1,1-Dichloroethene	3.72	96	137276	53.539	ug/l	98
13) Acrolein	3.60	56	35732	234.759	ug/l	95
14) Allyl chloride	4.31	41	233044	57.559	ug/l	98
15) Acrylonitrile	4.99	53	433797	337.665	ug/l	100
16) Acetone	3.82	43	387569	267.209	ug/l	99
17) Carbon Disulfide	4.04	76	288317	46.963	ug/l	100
18) Methyl Acetate	4.33	43	211056	74.361	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	473052	57.880	ug/l	99
20) Methylene Chloride	4.54	84	168076	56.246	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	144181	52.482	ug/l	99
22) Diisopropyl ether	5.96	45	503920	60.210	ug/l	100
23) Vinyl Acetate	5.90	43	2028141	307.717	ug/l	100
24) 1,1-Dichloroethane	5.84	63	286104	59.262	ug/l	99
25) 2-Butanone	6.84	43	580161	316.582	ug/l	98
26) 2,2-Dichloropropane	6.82	77	185006	49.110	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	179103	55.461	ug/l	100
28) Bromochloromethane	7.19	49	141104	61.805	ug/l	95
29) Tetrahydrofuran	7.22	42	373620	329.823	ug/l	98
30) Chloroform	7.37	83	287221	59.140	ug/l	99
31) Cyclohexane	7.65	56	240263	49.928	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	231187	57.005	ug/l	98
36) 1,1-Dichloropropene	7.79	75	202052	48.735	ug/l	99
37) Ethyl Acetate	6.93	43	222216	60.240	ug/l	98
38) Carbon Tetrachloride	7.77	117	201248	52.651	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	235046	45.511	ug/l	99
40) Benzene	8.04	78	641941	50.980	ug/l	99
41) Methacrylonitrile	7.18	41	104431	61.531	ug/l	96
42) 1,2-Dichloroethane	8.12	62	217352	53.662	ug/l	99
43) Isopropyl Acetate	8.17	43	338631	56.650	ug/l	99
44) Trichloroethene	8.83	130	173817	48.038	ug/l	97
45) 1,2-Dichloropropane	9.12	63	179487	55.649	ug/l	100
46) Dibromomethane	9.21	93	115463	54.744	ug/l	97
47) Bromodichloromethane	9.40	83	223688	58.517	ug/l	99
48) Methyl methacrylate	9.20	41	174891	59.803	ug/l	97
49) 1,4-Dioxane	9.21	88	70162	1111.299	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1111714	297.399	ug/l	100
52) Toluene	10.16	92	400534	51.118	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	219944	49.120	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	259242	56.420	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	172024	55.424	ug/l	97
56) Ethyl methacrylate	10.43	69	257966	56.970	ug/l	99
57) 1,3-Dichloropropane	10.71	76	281594	55.810	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	414803	232.176	ug/l	97
59) 2-Hexanone	10.75	43	776574	286.632	ug/l	100
60) Dibromochloromethane	10.90	129	181052	52.748	ug/l	99
61) 1,2-Dibromoethane	11.00	107	176185	55.526	ug/l	99
64) Tetrachloroethene	10.63	164	171256	45.544	ug/l	97
65) Chlorobenzene	11.43	112	440857	50.993	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	168868	56.569	ug/l	99
67) Ethyl Benzene	11.51	91	759968	50.553	ug/l	100
68) m/p-Xylenes	11.62	106	571798	99.568	ug/l	99
69) o-Xylene	11.95	106	282090	49.937	ug/l	97
70) Styrene	11.96	104	478600	53.324	ug/l	99
71) Bromoform	12.13	173	131776	52.438	ug/l #	100
73) Isopropylbenzene	12.25	105	752986	58.272	ug/l	99
74) N-amyl acetate	12.07	43	278505	57.237	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	240631	56.786	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	197740m	58.873	ug/l	
77) Bromobenzene	12.53	156	200052	51.189	ug/l	98
78) n-propylbenzene	12.59	91	815465	52.806	ug/l	99
79) 2-Chlorotoluene	12.67	91	498677	58.619	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	617372	50.303	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59479	58.973	ug/l	90
82) 4-Chlorotoluene	12.77	91	480603	53.196	ug/l	100
83) tert-Butylbenzene	12.99	119	558606	59.161	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	605940	52.063	ug/l	100
85) sec-Butylbenzene	13.17	105	704103	51.485	ug/l	100
86) p-Isopropyltoluene	13.29	119	625929	51.140	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	316926	52.397	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	301104	51.749	ug/l	100
89) n-Butylbenzene	13.61	91	465202	51.308	ug/l	99
90) Hexachloroethane	13.87	117	111398	60.352	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	312010	51.093	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39820	65.700	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	137350	41.599	ug/l	99
94) Hexachlorobutadiene	15.01	225	109683	52.471	ug/l	100
95) Naphthalene	15.13	128	392631	45.358	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	158085	46.332	ug/l	99

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

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