

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053556.D
 Acq On : 28 Jan 2019 19:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 9:52:57 AM

Quant Time: Jan 29 08:33:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	696837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1063851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	955391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	470578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	366002	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
35) Dibromofluoromethane	7.59	113	351354	57.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.74%	
50) Toluene-d8	10.09	98	1282411	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.40	95	448742	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	254512	45.428	ug/l	99
3) Chloromethane	2.06	50	359817	44.919	ug/l	99
4) Vinyl Chloride	2.19	62	357336	46.278	ug/l	100
5) Bromomethane	2.57	94	228065	43.047	ug/l	100
6) Chloroethane	2.71	64	221025	47.345	ug/l	100
7) Trichlorofluoromethane	3.02	101	499246	49.431	ug/l	99
8) Diethyl Ether	3.41	74	208961	55.087	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	321875	50.322	ug/l	98
10) Methyl Iodide	3.96	142	494356	50.575	ug/l	100
11) Tert butyl alcohol	4.78	59	140003	415.412	ug/l	99
12) 1,1-Dichloroethene	3.74	96	312702	50.403	ug/l	98
13) Acrolein	3.61	56	130179	202.683	ug/l	99
14) Allyl chloride	4.33	41	528248	52.419	ug/l	99
15) Acrylonitrile	4.99	53	684733	308.720	ug/l	100
16) Acetone	3.82	43	457528	283.133	ug/l	100
17) Carbon Disulfide	4.06	76	827423	44.102	ug/l	100
18) Methyl Acetate	4.33	43	346832	63.705	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	955766	57.980	ug/l	99
20) Methylene Chloride	4.55	84	374005	50.694	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	335990	50.656	ug/l	99
22) Diisopropyl ether	5.95	45	1080589	51.365	ug/l	98
23) Vinyl Acetate	5.90	43	3795262	293.479	ug/l	99
24) 1,1-Dichloroethane	5.85	63	656186	52.763	ug/l	100
25) 2-Butanone	6.83	43	757517	304.200	ug/l	99
26) 2,2-Dichloropropane	6.83	77	469876	50.041	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	408675	53.881	ug/l	97
28) Bromochloromethane	7.20	49	267453	48.816	ug/l	97
29) Tetrahydrofuran	7.21	42	512192	315.949	ug/l	99
30) Chloroform	7.37	83	658966	54.383	ug/l	98
31) Cyclohexane	7.65	56	565268	46.690	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	545514	53.072	ug/l	99
36) 1,1-Dichloropropene	7.79	75	480833	49.629	ug/l	99
37) Ethyl Acetate	6.93	43	338825	60.785	ug/l	99
38) Carbon Tetrachloride	7.78	117	479945	52.324	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	551273	46.035	ug/l	100
40) Benzene	8.04	78	1502241	51.024	ug/l	100
41) Methacrylonitrile	7.17	41	187674	56.573	ug/l	94
42) 1,2-Dichloroethane	8.13	62	454209	52.955	ug/l	98
43) Isopropyl Acetate	8.17	43	614242	61.283	ug/l	98
44) Trichloroethene	8.84	130	411729	50.428	ug/l	99
45) 1,2-Dichloropropane	9.12	63	403072	51.687	ug/l	99
46) Dibromomethane	9.21	93	242269	54.073	ug/l	99
47) Bromodichloromethane	9.40	83	506552	53.761	ug/l	100
48) Methyl methacrylate	9.20	41	286559	55.373	ug/l	95
49) 1,4-Dioxane	9.20	88	84147	1664.916	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	1641641	300.036	ug/l	99
52) Toluene	10.16	92	928222	50.783	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	523150	54.778	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	606048	54.133	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	363248	57.643	ug/l	97
56) Ethyl methacrylate	10.43	69	463075	51.707	ug/l	99
57) 1,3-Dichloropropane	10.71	76	586790	53.828	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1258930	285.564	ug/l	99
59) 2-Hexanone	10.75	43	1082882	281.933	ug/l	99
60) Dibromochloromethane	10.90	129	397693	55.641	ug/l	100
61) 1,2-Dibromoethane	11.01	107	346148	54.313	ug/l	99
64) Tetrachloroethene	10.63	164	395253	43.900	ug/l	99
65) Chlorobenzene	11.44	112	1029844	50.926	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	376294	53.488	ug/l	99
67) Ethyl Benzene	11.51	91	1741934	50.544	ug/l	100
68) m/p-Xylenes	11.62	106	1338806	102.889	ug/l	100
69) o-Xylene	11.95	106	656087	51.890	ug/l	99
70) Styrene	11.97	104	1082194	52.737	ug/l	99
71) Bromoform	12.13	173	280061	57.825	ug/l #	99
73) Isopropylbenzene	12.25	105	1708990	49.592	ug/l	100
74) N-amyl acetate	12.07	43	485031	52.798	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	438850	60.721	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	333859m	53.837	ug/l	
77) Bromobenzene	12.53	156	460632	50.728	ug/l	99
78) n-propylbenzene	12.59	91	1983545	50.144	ug/l	100
79) 2-Chlorotoluene	12.68	91	1172616	50.011	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1445120	51.541	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	124800	50.884	ug/l	99
82) 4-Chlorotoluene	12.77	91	1197950	50.101	ug/l	100
83) tert-Butylbenzene	12.99	119	1266015	51.123	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1490029	52.705	ug/l	100
85) sec-Butylbenzene	13.17	105	1732240	51.005	ug/l	100
86) p-Isopropyltoluene	13.29	119	1527532	51.800	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	819490	51.305	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	807392	50.392	ug/l	100
89) n-Butylbenzene	13.62	91	1307754	52.026	ug/l	100
90) Hexachloroethane	13.88	117	240835	52.074	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	803786	54.698	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64781	70.690	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	479218	72.587	ug/l	99
94) Hexachlorobutadiene	15.01	225	268600	58.594	ug/l	99
95) Naphthalene	15.13	128	1114933	94.227	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	453205	91.970	ug/l	100

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

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