

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090219\
 Data File : VN057659.D
 Acq On : 1 Sep 2019 21:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:03:09 AM

Quant Time: Sep 02 03:28:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	181230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	298055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	279164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	136246	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	214716	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
35) Dibromofluoromethane	7.58	113	136705	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
50) Toluene-d8	10.09	98	525627	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	12.40	95	204074	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	157057	54.194	ug/l	96
3) Chloromethane	2.05	50	170451	51.019	ug/l	98
4) Vinyl Chloride	2.18	62	136986	52.348	ug/l	99
5) Bromomethane	2.51	94	84996	51.334	ug/l	96
6) Chloroethane	2.66	64	77682	53.146	ug/l	99
7) Trichlorofluoromethane	2.99	101	193921	52.793	ug/l	99
8) Diethyl Ether	3.40	74	63570	52.301	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	95242	51.144	ug/l	99
10) Methyl Iodide	3.92	142	129734	53.957	ug/l	98
11) Tert butyl alcohol	4.82	59	108465	252.601	ug/l #	96
12) 1,1-Dichloroethene	3.71	96	88329	52.325	ug/l	96
13) Acrolein	3.59	56	36633	214.568	ug/l	93
14) Allyl chloride	4.29	41	253994	48.230	ug/l	95
15) Acrylonitrile	4.98	53	334357	259.501	ug/l	100
16) Acetone	3.81	43	255240	222.461	ug/l	97
17) Carbon Disulfide	4.02	76	261823	47.976	ug/l	99
18) Methyl Acetate	4.31	43	197539	50.143	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	459645	52.630	ug/l	98
20) Methylene Chloride	4.52	84	153270	53.960	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	133605	53.236	ug/l	98
22) Diisopropyl ether	5.94	45	560145	51.741	ug/l	97
23) Vinyl Acetate	5.88	43	2213920	266.093	ug/l	100
24) 1,1-Dichloroethane	5.82	63	283196	52.112	ug/l	99
25) 2-Butanone	6.83	43	473159	247.490	ug/l	98
26) 2,2-Dichloropropane	6.81	77	178582	41.113	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	154401	51.520	ug/l	99
28) Bromochloromethane	7.18	49	152328	52.637	ug/l	99
29) Tetrahydrofuran	7.20	42	311341	259.572	ug/l	99
30) Chloroform	7.36	83	292461	53.049	ug/l	97
31) Cyclohexane	7.63	56	267448	49.310	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	239693	53.002	ug/l	99
36) 1,1-Dichloropropene	7.78	75	209692	53.065	ug/l	98
37) Ethyl Acetate	6.92	43	208129	55.292	ug/l	100
38) Carbon Tetrachloride	7.76	117	187101	52.895	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	241128	51.648	ug/l	96
40) Benzene	8.03	78	604754	52.575	ug/l	100
41) Methacrylonitrile	7.16	41	93484	44.566	ug/l #	88
42) 1,2-Dichloroethane	8.11	62	263800	56.463	ug/l	99
43) Isopropyl Acetate	8.16	43	359559	53.093	ug/l	100
44) Trichloroethene	8.82	130	140397	53.804	ug/l	89
45) 1,2-Dichloropropane	9.11	63	169356	52.857	ug/l	97
46) Dibromomethane	9.20	93	104673	52.763	ug/l	99
47) Bromodichloromethane	9.40	83	209923	52.084	ug/l	100
48) Methyl methacrylate	9.19	41	185745	53.721	ug/l	98
49) 1,4-Dioxane	9.20	88	43832	1082.599	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1066361	274.732	ug/l	99
52) Toluene	10.15	92	371899	54.703	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	203632	45.531	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	234708	47.548	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	139257	53.988	ug/l	97
56) Ethyl methacrylate	10.43	69	223971	52.032	ug/l	97
57) 1,3-Dichloropropane	10.71	76	246711	52.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	304623	241.889	ug/l	99
59) 2-Hexanone	10.75	43	747891	262.384	ug/l	98
60) Dibromochloromethane	10.90	129	130602	46.457	ug/l	99
61) 1,2-Dibromoethane	11.00	107	139282	53.626	ug/l	100
64) Tetrachloroethene	10.63	164	128563	53.186	ug/l	98
65) Chlorobenzene	11.43	112	370417	52.953	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	127570	52.290	ug/l	97
67) Ethyl Benzene	11.51	91	725210	53.357	ug/l	98
68) m/p-Xylenes	11.62	106	511952	106.917	ug/l	98
69) o-Xylene	11.95	106	248060	53.455	ug/l	99
70) Styrene	11.96	104	415966	49.816	ug/l	99
71) Bromoform	12.13	173	78456	44.106	ug/l #	100
73) Isopropylbenzene	12.25	105	694579	50.493	ug/l	98
74) N-amyl acetate	12.07	43	311797	48.029	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	200013	49.334	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	182839m	51.017	ug/l	
77) Bromobenzene	12.53	156	150362	51.357	ug/l	97
78) n-propylbenzene	12.59	91	784109	51.214	ug/l	98
79) 2-Chlorotoluene	12.67	91	482561	50.546	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	580887	51.330	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42685	40.826	ug/l	94
82) 4-Chlorotoluene	12.77	91	473363	50.091	ug/l	99
83) tert-Butylbenzene	12.99	119	487658	50.786	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	553487	50.553	ug/l	99
85) sec-Butylbenzene	13.17	105	653884	50.627	ug/l	100
86) p-Isopropyltoluene	13.29	119	532048	49.811	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	240900	50.506	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	232876	50.545	ug/l	98
89) n-Butylbenzene	13.62	91	481597	48.112	ug/l	99
90) Hexachloroethane	13.88	117	86368	46.575	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	235054	51.643	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30005	48.064	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	84910	44.146	ug/l	100
94) Hexachlorobutadiene	15.01	225	76379	48.901	ug/l	99
95) Naphthalene	15.13	128	250965	43.962	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	86138	44.580	ug/l	99

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

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