

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058187.D
 Acq On : 19 Sep 2019 00:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:44:26 PM

Quant Time: Sep 19 18:51:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	544540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	921391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	840705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	422776	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	392568	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
35) Dibromofluoromethane	7.57	113	284233	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.08	98	1145566	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.41	95	428131	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	205574	45.956	ug/l	100
3) Chloromethane	2.04	50	163977	47.505	ug/l	98
4) Vinyl Chloride	2.17	62	183649	48.683	ug/l	99
5) Bromomethane	2.54	94	65855	33.240	ug/l	98
6) Chloroethane	2.68	64	121694	50.399	ug/l	100
7) Trichlorofluoromethane	3.00	101	271487	44.464	ug/l	100
8) Diethyl Ether	3.39	74	129882	46.425	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	203261	46.172	ug/l	99
10) Methyl Iodide	3.93	142	122978	33.338	ug/l	98
11) Tert butyl alcohol	4.76	59	215569	238.942	ug/l	100
12) 1,1-Dichloroethene	3.72	96	169746	50.816	ug/l	91
13) Acrolein	3.58	56	48846	365.341	ug/l	95
14) Allyl chloride	4.30	41	327062	45.403	ug/l	97
15) Acrylonitrile	4.96	53	611587	254.440	ug/l	100
16) Acetone	3.79	43	516171	200.498	ug/l	97
17) Carbon Disulfide	4.03	76	216281	46.015	ug/l	97
18) Methyl Acetate	4.30	43	324134	47.848	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	833007	50.170	ug/l	100
20) Methylene Chloride	4.53	84	226394	50.229	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	178046	48.900	ug/l	97
22) Diisopropyl ether	5.93	45	899696	49.168	ug/l	98
23) Vinyl Acetate	5.87	43	3265142	260.779	ug/l	99
24) 1,1-Dichloroethane	5.83	63	464346	47.546	ug/l	99
25) 2-Butanone	6.82	43	834379	237.893	ug/l	99
26) 2,2-Dichloropropane	6.81	77	276442	33.365	ug/l	96
27) cis-1,2-Dichloroethene	6.81	96	264054	47.818	ug/l	97
28) Bromochloromethane	7.18	49	236603	51.213	ug/l #	97
29) Tetrahydrofuran	7.19	42	528846	244.786	ug/l	99
30) Chloroform	7.36	83	508919	48.411	ug/l	99
31) Cyclohexane	7.64	56	305659	48.338	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	408398	51.032	ug/l	98
36) 1,1-Dichloropropene	7.78	75	298572	44.935	ug/l	99
37) Ethyl Acetate	6.91	43	344203	49.916	ug/l	99
38) Carbon Tetrachloride	7.76	117	314721	47.119	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	313863	48.856	ug/l	100
40) Benzene	8.03	78	967700	47.682	ug/l	100
41) Methacrylonitrile	7.15	41	174305	50.173	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	405810	47.653	ug/l	99
43) Isopropyl Acetate	8.15	43	682586	53.003	ug/l #	89
44) Trichloroethene	8.82	130	240677	48.461	ug/l	100
45) 1,2-Dichloropropane	9.11	63	302427	49.899	ug/l	98
46) Dibromomethane	9.20	93	180317	48.934	ug/l	100
47) Bromodichloromethane	9.39	83	386437	50.059	ug/l	99
48) Methyl methacrylate	9.19	41	299970	51.301	ug/l	99
49) 1,4-Dioxane	9.19	88	95109	990.700	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1917863	280.373	ug/l	100
52) Toluene	10.15	92	624232	49.079	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	398561	50.402	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	424568	48.630	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	283800	50.280	ug/l	99
56) Ethyl methacrylate	10.43	69	438348	53.825	ug/l	99
57) 1,3-Dichloropropane	10.71	76	479785	49.445	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	1046813	269.856	ug/l	98
59) 2-Hexanone	10.75	43	1374290	270.514	ug/l	99
60) Dibromochloromethane	10.90	129	285502	52.577	ug/l	99
61) 1,2-Dibromoethane	11.00	107	268561	51.342	ug/l	100
64) Tetrachloroethene	10.63	164	200223	48.856	ug/l	99
65) Chlorobenzene	11.43	112	727573	49.202	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	279936	52.208	ug/l	99
67) Ethyl Benzene	11.51	91	1299960	51.305	ug/l	99
68) m/p-Xylenes	11.62	106	948219	99.362	ug/l	97
69) o-Xylene	11.95	106	484818	51.667	ug/l	98
70) Styrene	11.97	104	856144	52.954	ug/l	99
71) Bromoform	12.13	173	189165	47.758	ug/l #	99
73) Isopropylbenzene	12.25	105	1356543	51.262	ug/l	99
74) N-amyl acetate	12.07	43	598811	54.090	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	440429	49.700	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	398920m	52.723	ug/l	
77) Bromobenzene	12.53	156	321787	48.341	ug/l	99
78) n-propylbenzene	12.59	91	1586541	52.759	ug/l	99
79) 2-Chlorotoluene	12.68	91	945917	50.332	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1169494	52.262	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	104490	42.130	ug/l	98
82) 4-Chlorotoluene	12.78	91	1007227	50.985	ug/l	99
83) tert-Butylbenzene	13.00	119	1036012	51.915	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1189898	53.432	ug/l	99
85) sec-Butylbenzene	13.18	105	1399095	53.614	ug/l	100
86) p-Isopropyltoluene	13.29	119	1268553	54.680	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	628028	51.655	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	624810	50.337	ug/l	99
89) n-Butylbenzene	13.62	91	1156222	52.568	ug/l	99
90) Hexachloroethane	13.88	117	194744	47.990	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	623511	51.124	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	83999	52.650	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	408207	52.386	ug/l	99
94) Hexachlorobutadiene	15.02	225	186520	49.524	ug/l	97
95) Naphthalene	15.13	128	1128141	55.864	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	382423	51.924	ug/l	99

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

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