

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090619\
 Data File : VN057739.D
 Acq On : 7 Sep 2019 1:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 9:57:16 AM

Quant Time: Sep 07 03:49:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	194996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	286761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	167930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	235006	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	7.57	113	145029	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	10.08	98	544191	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.40	95	215247	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	143223	46.251	ug/l	97
3) Chloromethane	2.03	50	145729	39.872	ug/l	97
4) Vinyl Chloride	2.16	62	122079	45.522	ug/l	99
5) Bromomethane	2.54	94	66948	54.357	ug/l	98
6) Chloroethane	2.68	64	72615	45.866	ug/l	97
7) Trichlorofluoromethane	3.00	101	191014	44.383	ug/l	99
8) Diethyl Ether	3.39	74	84701	49.254	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	127699	47.543	ug/l	98
10) Methyl Iodide	3.93	142	151408	56.894	ug/l	99
11) Tert butyl alcohol	4.76	59	129046	239.432	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	114582	47.414	ug/l	99
13) Acrolein	3.58	56	59068	230.447	ug/l	97
14) Allyl chloride	4.30	41	250212	45.308	ug/l	99
15) Acrylonitrile	4.96	53	358713	258.875	ug/l	98
16) Acetone	3.80	43	345902	236.951	ug/l	100
17) Carbon Disulfide	4.03	76	249483	45.565	ug/l	97
18) Methyl Acetate	4.30	43	185531	46.736	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	482923	47.599	ug/l	98
20) Methylene Chloride	4.53	84	144241	45.698	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	121210	47.665	ug/l	95
22) Diisopropyl ether	5.93	45	563710	48.253	ug/l	99
23) Vinyl Acetate	5.87	43	2359394	249.521	ug/l	100
24) 1,1-Dichloroethane	5.82	63	286545	47.837	ug/l	99
25) 2-Butanone	6.82	43	522797	250.077	ug/l	99
26) 2,2-Dichloropropane	6.80	77	190935	38.209	ug/l	80
27) cis-1,2-Dichloroethene	6.81	96	156388	48.995	ug/l	92
28) Bromochloromethane	7.18	49	157719	50.323	ug/l	99
29) Tetrahydrofuran	7.19	42	337339	250.217	ug/l	99
30) Chloroform	7.36	83	295917	47.410	ug/l	97
31) Cyclohexane	7.64	56	236027	44.330	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	250830	48.246	ug/l	99
36) 1,1-Dichloropropene	7.78	75	202260	47.906	ug/l	99
37) Ethyl Acetate	6.91	43	220190	52.532	ug/l	99
38) Carbon Tetrachloride	7.76	117	201234	49.778	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	212020	47.477	ug/l	98
40) Benzene	8.03	78	588376	49.270	ug/l	99
41) Methacrylonitrile	7.15	41	97816	47.741	ug/l	95
42) 1,2-Dichloroethane	8.11	62	269030	48.062	ug/l	98
43) Isopropyl Acetate	8.15	43	397957	49.464	ug/l	100
44) Trichloroethene	8.82	130	136708	50.935	ug/l	96
45) 1,2-Dichloropropane	9.11	63	167182	50.056	ug/l	99
46) Dibromomethane	9.20	93	109420	51.073	ug/l	98
47) Bromodichloromethane	9.40	83	227416	49.948	ug/l	97
48) Methyl methacrylate	9.19	41	204214	49.355	ug/l	98
49) 1,4-Dioxane	9.19	88	52544	1091.416	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1191635	266.701	ug/l	100
52) Toluene	10.15	92	363497	50.221	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	221841	48.566	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	241407	48.916	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	145381	49.911	ug/l	97
56) Ethyl methacrylate	10.43	69	241505	51.946	ug/l	98
57) 1,3-Dichloropropane	10.71	76	261650	50.007	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	617885	261.959	ug/l	100
59) 2-Hexanone	10.75	43	845920	268.487	ug/l	99
60) Dibromochloromethane	10.90	129	149636	47.729	ug/l	100
61) 1,2-Dibromoethane	11.00	107	143897	51.459	ug/l	99
64) Tetrachloroethene	10.63	164	119151	53.295	ug/l	95
65) Chlorobenzene	11.43	112	373938	49.989	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	140036	53.801	ug/l	98
67) Ethyl Benzene	11.51	91	742015	51.412	ug/l	100
68) m/p-Xylenes	11.62	106	511444	102.885	ug/l	100
69) o-Xylene	11.95	106	251066	51.006	ug/l	97
70) Styrene	11.96	104	445221	52.274	ug/l	99
71) Bromoform	12.13	173	92217	47.581	ug/l #	98
73) Isopropylbenzene	12.25	105	723220	48.713	ug/l	99
74) N-amyl acetate	12.07	43	363029	48.949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	222707	50.025	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	183547m	47.597	ug/l	
77) Bromobenzene	12.53	156	165334	51.260	ug/l	94
78) n-propylbenzene	12.59	91	860946	48.810	ug/l	99
79) 2-Chlorotoluene	12.68	91	519732	48.401	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	617074	48.928	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54313	43.802	ug/l	99
82) 4-Chlorotoluene	12.78	91	540408	48.865	ug/l	99
83) tert-Butylbenzene	13.00	119	524057	49.290	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	616258	49.329	ug/l	100
85) sec-Butylbenzene	13.17	105	709614	48.446	ug/l	98
86) p-Isopropyltoluene	13.29	119	622059	50.111	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	298245	49.462	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	293938	48.730	ug/l	98
89) n-Butylbenzene	13.62	91	585522	47.694	ug/l	99
90) Hexachloroethane	13.88	117	99356	51.081	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	297167	50.057	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	46118	52.583	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	186800	52.597	ug/l	99
94) Hexachlorobutadiene	15.01	225	91223	52.697	ug/l	97
95) Naphthalene	15.13	128	537070	52.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	178248	52.360	ug/l	98

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

