

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
 Data File : VN057785.D
 Acq On : 8 Sep 2019 3:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 3:02:40 PM

Quant Time: Sep 08 07:34:30 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	198890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	314579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	297697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	178814	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	224348	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	
35) Dibromofluoromethane	7.58	113	148095	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
50) Toluene-d8	10.09	98	544462	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.40	95	216488	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	142415	45.090	ug/l	97
3) Chloromethane	2.03	50	135889	36.083	ug/l	97
4) Vinyl Chloride	2.16	62	122200	44.675	ug/l	96
5) Bromomethane	2.54	94	64245	51.141	ug/l	96
6) Chloroethane	2.68	64	71114	44.038	ug/l #	89
7) Trichlorofluoromethane	2.99	101	184437	42.016	ug/l	96
8) Diethyl Ether	3.39	74	79852	45.525	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	123721	45.160	ug/l	95
10) Methyl Iodide	3.93	142	152256	56.092	ug/l	99
11) Tert butyl alcohol	4.77	59	121180	220.436	ug/l	97
12) 1,1-Dichloroethene	3.72	96	115235	46.750	ug/l	94
13) Acrolein	3.59	56	58439	223.530	ug/l	99
14) Allyl chloride	4.30	41	237169	42.105	ug/l	98
15) Acrylonitrile	4.96	53	344749	243.926	ug/l	97
16) Acetone	3.80	43	334441	224.615	ug/l	98
17) Carbon Disulfide	4.03	76	232918	41.707	ug/l	99
18) Methyl Acetate	4.30	43	186137	45.971	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	457430	44.203	ug/l	97
20) Methylene Chloride	4.53	84	140183	43.543	ug/l	94
21) trans-1,2-Dichloroethene	5.02	96	123231	47.511	ug/l	91
22) Diisopropyl ether	5.93	45	553363	46.440	ug/l	98
23) Vinyl Acetate	5.87	43	2253272	233.632	ug/l	100
24) 1,1-Dichloroethane	5.82	63	277031	45.344	ug/l	99
25) 2-Butanone	6.82	43	508998	238.709	ug/l	98
26) 2,2-Dichloropropane	6.80	77	152679	29.955	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	155909	47.889	ug/l	89
28) Bromochloromethane	7.18	49	156442	48.939	ug/l	96
29) Tetrahydrofuran	7.19	42	324276	235.818	ug/l	99
30) Chloroform	7.36	83	297726	46.766	ug/l	99
31) Cyclohexane	7.64	56	230029	42.358	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	257554	48.569	ug/l	96
36) 1,1-Dichloropropene	7.78	75	196786	47.022	ug/l	98
37) Ethyl Acetate	6.91	43	210937	50.770	ug/l	98
38) Carbon Tetrachloride	7.76	117	202673	50.577	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	206029	46.544	ug/l	99
40) Benzene	8.03	78	576227	48.679	ug/l	100
41) Methacrylonitrile	7.16	41	99650m	49.066	ug/l	
42) 1,2-Dichloroethane	8.11	62	263602	47.509	ug/l	99
43) Isopropyl Acetate	8.15	43	386109	48.416	ug/l	99
44) Trichloroethene	8.83	130	140299	52.736	ug/l	97
45) 1,2-Dichloropropane	9.11	63	160992	48.629	ug/l	99
46) Dibromomethane	9.20	93	109345	51.490	ug/l	93
47) Bromodichloromethane	9.40	83	226230	50.127	ug/l	98
48) Methyl methacrylate	9.19	41	194628	47.454	ug/l	98
49) 1,4-Dioxane	9.19	88	48767	1021.927	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1153965	260.556	ug/l	99
52) Toluene	10.15	92	357777	49.868	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	207612	45.853	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	229324	46.879	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	148258	51.349	ug/l	97
56) Ethyl methacrylate	10.43	69	234985	50.991	ug/l	96
57) 1,3-Dichloropropane	10.71	76	255591	49.281	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	573034	245.094	ug/l	98
59) 2-Hexanone	10.75	43	814730	260.876	ug/l	100
60) Dibromochloromethane	10.90	129	150289	48.337	ug/l	99
61) 1,2-Dibromoethane	11.00	107	145815	52.607	ug/l	100
64) Tetrachloroethene	10.63	164	125595	54.114	ug/l	97
65) Chlorobenzene	11.43	112	387550	49.906	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	145033	53.674	ug/l	97
67) Ethyl Benzene	11.51	91	750155	50.067	ug/l	99
68) m/p-Xylenes	11.62	106	521075	100.971	ug/l	98
69) o-Xylene	11.95	106	254472	49.799	ug/l	100
70) Styrene	11.97	104	447271	50.586	ug/l	97
71) Bromoform	12.13	173	97878	48.574	ug/l #	97
73) Isopropylbenzene	12.25	105	730150	46.186	ug/l	99
74) N-amyl acetate	12.07	43	352446	44.630	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	217697	45.923	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	194346m	47.329	ug/l	
77) Bromobenzene	12.53	156	173684	50.571	ug/l	87
78) n-propylbenzene	12.59	91	867078	46.165	ug/l	99
79) 2-Chlorotoluene	12.68	91	513533	44.912	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	630869	46.977	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	46966	35.571	ug/l	95
82) 4-Chlorotoluene	12.78	91	534172	45.361	ug/l	98
83) tert-Butylbenzene	13.00	119	534341	47.199	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	633723	47.640	ug/l	100
85) sec-Butylbenzene	13.17	105	707377	45.354	ug/l	98
86) p-Isopropyltoluene	13.29	119	637599	48.236	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	315106	49.078	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	309504	48.188	ug/l	98
89) n-Butylbenzene	13.62	91	583120	44.607	ug/l	98
90) Hexachloroethane	13.88	117	96453	46.570	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	308423	48.791	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45825	49.068	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	199228	52.682	ug/l	99
94) Hexachlorobutadiene	15.01	225	100975	54.780	ug/l	98
95) Naphthalene	15.13	128	533552	48.632	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	188089	51.888	ug/l	97

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

