

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056271.D
 Acq On : 13 Jun 2019 00:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:09:04 AM

Quant Time: Jun 13 06:45:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	311580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	431845	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	385063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	181984	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	145650	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
35) Dibromofluoromethane	7.59	113	138928	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
50) Toluene-d8	10.09	98	491654	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.40	95	168788	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	139821	40.912	ug/l	98
3) Chloromethane	2.06	50	143103	42.369	ug/l	99
4) Vinyl Chloride	2.18	62	146892	43.357	ug/l	99
5) Bromomethane	2.53	94	91216	42.621	ug/l	100
6) Chloroethane	2.68	64	87253	44.418	ug/l	99
7) Trichlorofluoromethane	3.00	101	198108	45.804	ug/l	96
8) Diethyl Ether	3.40	74	77057	43.323	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	124111	47.238	ug/l	96
10) Methyl Iodide	3.94	142	192382	46.077	ug/l	99
11) Tert butyl alcohol	4.82	59	116060	215.574	ug/l	98
12) 1,1-Dichloroethene	3.72	96	120695	46.143	ug/l	94
13) Acrolein	3.60	56	34529	222.378	ug/l	100
14) Allyl chloride	4.31	41	183970	44.542	ug/l	99
15) Acrylonitrile	4.99	53	350965	267.798	ug/l	100
16) Acetone	3.82	43	284248	192.107	ug/l	99
17) Carbon Disulfide	4.04	76	262661	41.940	ug/l	99
18) Methyl Acetate	4.33	43	163605	56.364	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	398188	47.758	ug/l	99
20) Methylene Chloride	4.54	84	144347	47.352	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	128843	45.973	ug/l	94
22) Diisopropyl ether	5.96	45	404392	47.364	ug/l	98
23) Vinyl Acetate	5.90	43	1616997	240.495	ug/l	99
24) 1,1-Dichloroethane	5.84	63	234307	47.575	ug/l	98
25) 2-Butanone	6.84	43	457722	244.841	ug/l	100
26) 2,2-Dichloropropane	6.82	77	127685	33.225	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	157027	47.665	ug/l	94
28) Bromochloromethane	7.19	49	111538	47.890	ug/l	91
29) Tetrahydrofuran	7.22	42	299285	258.988	ug/l	99
30) Chloroform	7.37	83	244573	49.365	ug/l	99
31) Cyclohexane	7.65	56	201501	41.046	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	204196	49.356	ug/l	99
36) 1,1-Dichloropropene	7.79	75	168701	45.432	ug/l	98
37) Ethyl Acetate	6.94	43	176005	53.272	ug/l	100
38) Carbon Tetrachloride	7.77	117	181119	52.906	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	208565	45.089	ug/l	98
40) Benzene	8.04	78	552401	48.980	ug/l	100
41) Methacrylonitrile	7.18	41	83391	54.858	ug/l	92
42) 1,2-Dichloroethane	8.12	62	176614	48.684	ug/l	98
43) Isopropyl Acetate	8.17	43	269531	50.343	ug/l #	91
44) Trichloroethene	8.83	130	164986	50.910	ug/l	96
45) 1,2-Dichloropropane	9.12	63	145744	50.452	ug/l	100
46) Dibromomethane	9.21	93	99143	52.483	ug/l	93
47) Bromodichloromethane	9.40	83	190004	55.496	ug/l	99
48) Methyl methacrylate	9.20	41	138198	52.762	ug/l	96
49) 1,4-Dioxane	9.20	88	61154	1081.474	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	898496	268.364	ug/l	99
52) Toluene	10.16	92	349719	49.833	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	178913	44.832	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	207755	50.483	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	147193	52.949	ug/l	99
56) Ethyl methacrylate	10.43	69	215753	53.199	ug/l	97
57) 1,3-Dichloropropane	10.71	76	234063	51.794	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	350844	220.084	ug/l	98
59) 2-Hexanone	10.75	43	622175	256.399	ug/l	99
60) Dibromochloromethane	10.90	129	165868	53.899	ug/l	100
61) 1,2-Dibromoethane	11.01	107	154027	54.199	ug/l	98
64) Tetrachloroethene	10.63	164	174557	52.370	ug/l	97
65) Chlorobenzene	11.43	112	390360	50.937	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	152691	57.704	ug/l	99
67) Ethyl Benzene	11.51	91	657819	49.365	ug/l	98
68) m/p-Xylenes	11.62	106	506486	99.496	ug/l	98
69) o-Xylene	11.95	106	249296	49.786	ug/l	99
70) Styrene	11.96	104	419031	52.669	ug/l	99
71) Bromoform	12.13	173	130399	58.220	ug/l #	100
73) Isopropylbenzene	12.25	105	658886	50.834	ug/l	99
74) N-amyl acetate	12.07	43	223340	46.039	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	203797	48.240	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	163877m	48.939	ug/l	
77) Bromobenzene	12.53	156	188487	48.377	ug/l	91
78) n-propylbenzene	12.59	91	692659	44.990	ug/l	98
79) 2-Chlorotoluene	12.67	91	424521	49.698	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	540723	44.192	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	46186	45.932	ug/l	91
82) 4-Chlorotoluene	12.77	91	409522	45.466	ug/l	98
83) tert-Butylbenzene	12.99	119	497315	52.521	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	532207	45.867	ug/l	99
85) sec-Butylbenzene	13.17	105	618675	45.376	ug/l	99
86) p-Isopropyltoluene	13.29	119	558708	45.787	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	292495	48.505	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	277452	47.830	ug/l	99
89) n-Butylbenzene	13.62	91	393552	43.538	ug/l	99
90) Hexachloroethane	13.87	117	99218	53.917	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	294221	48.326	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32547	53.863	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	138240	41.955	ug/l	99
94) Hexachlorobutadiene	15.01	225	121397	58.491	ug/l	100
95) Naphthalene	15.13	128	348958	40.853	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	155361	45.715	ug/l	97

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

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