

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101018\
 Data File : VN051777.D
 Acq On : 10 Oct 2018 9:27
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 5:51:12 PM

Quant Time: Oct 11 02:03:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 06:03:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	705215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1029696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	980326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	556118	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	412376	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	
35) Dibromofluoromethane	7.59	113	394491	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.09	98	1443651	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.40	95	507021	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	411707	46.757	ug/l	100
3) Chloromethane	2.06	50	341481	42.430	ug/l	99
4) Vinyl Chloride	2.18	62	505194	39.849	ug/l	100
5) Bromomethane	2.56	94	428413	43.942	ug/l	98
6) Chloroethane	2.70	64	341710	40.104	ug/l	100
7) Trichlorofluoromethane	3.01	101	664679	50.370	ug/l	100
8) Diethyl Ether	3.41	74	179947	48.709	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	343949	48.812	ug/l	97
10) Methyl Iodide	3.95	142	471084	50.538	ug/l	100
11) Tert butyl alcohol	4.79	59	155209	245.140	ug/l	99
12) 1,1-Dichloroethene	3.73	96	309345	47.103	ug/l	96
13) Acrolein	3.61	56	95479	228.871	ug/l	100
14) Allyl chloride	4.32	41	407635	40.696	ug/l	96
15) Acrylonitrile	4.99	53	534307	244.552	ug/l	98
16) Acetone	3.82	43	415116	267.628	ug/l	98
17) Carbon Disulfide	4.05	76	815105	40.831	ug/l	99
18) Methyl Acetate	4.33	43	276136	53.701	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	1043420	48.133	ug/l	100
20) Methylene Chloride	4.55	84	370784	48.375	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	372451	47.858	ug/l	92
22) Diisopropyl ether	5.96	45	927880	43.214	ug/l	94
23) Vinyl Acetate	5.90	43	3385932	214.465	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	620723	44.950	ug/l	97
25) 2-Butanone	6.84	43	630850	234.501	ug/l	96
26) 2,2-Dichloropropane	6.82	77	628114	45.389	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	441357	48.853	ug/l	93
28) Bromochloromethane	7.20	49	251271	41.101	ug/l	82
29) Tetrahydrofuran	7.22	42	387504	234.726	ug/l	90
30) Chloroform	7.37	83	739458	47.659	ug/l	99
31) Cyclohexane	7.65	56	523193	41.370	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	707103	47.018	ug/l	97
36) 1,1-Dichloropropene	7.79	75	521527	48.456	ug/l	98
37) Ethyl Acetate	6.93	43	275100	49.008	ug/l	99
38) Carbon Tetrachloride	7.78	117	636670	49.298	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	676431	50.068	ug/l	95
40) Benzene	8.04	78	1557899	48.827	ug/l	100
41) Methacrylonitrile	7.18	41	124281	42.928	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	524667	48.794	ug/l	100
43) Isopropyl Acetate	8.17	43	562835	48.091	ug/l #	87
44) Trichloroethene	8.84	130	479131	52.887	ug/l	99
45) 1,2-Dichloropropane	9.12	63	372441	47.213	ug/l	100
46) Dibromomethane	9.21	93	287476	52.429	ug/l	99
47) Bromodichloromethane	9.40	83	594124	49.222	ug/l	99
48) Methyl methacrylate	9.20	41	252886	47.288	ug/l	94
49) 1,4-Dioxane	9.20	88	89271	1113.257	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1445501	243.742	ug/l	97
52) Toluene	10.16	92	1066543	50.259	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	598841	48.080	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	639598	48.359	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	403680	53.399	ug/l	97
56) Ethyl methacrylate	10.43	69	492475	51.514	ug/l	94
57) 1,3-Dichloropropane	10.71	76	615294	51.426	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	976327	246.762	ug/l	95
59) 2-Hexanone	10.75	43	994384	246.895	ug/l	98
60) Dibromochloromethane	10.90	129	504872	51.034	ug/l	100
61) 1,2-Dibromoethane	11.01	107	425342	53.223	ug/l	100
64) Tetrachloroethene	10.63	164	456442	52.775	ug/l	99
65) Chlorobenzene	11.44	112	1243309	51.208	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	489452	50.347	ug/l	99
67) Ethyl Benzene	11.51	91	2106175	50.188	ug/l	99
68) m/p-Xylenes	11.62	106	1710034	101.841	ug/l	98
69) o-Xylene	11.95	106	837648	50.868	ug/l	98
70) Styrene	11.96	104	1342686	51.170	ug/l	98
71) Bromoform	12.13	173	355630	49.182	ug/l #	99
73) Isopropylbenzene	12.25	105	2268002	47.842	ug/l	100
74) N-amyl acetate	12.07	43	464072	47.180	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	491068	53.715	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	392028m	57.336	ug/l	
77) Bromobenzene	12.53	156	572985	49.433	ug/l	94
78) n-propylbenzene	12.59	91	2461956	47.614	ug/l	99
79) 2-Chlorotoluene	12.68	91	1447867	47.513	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1903983	47.659	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	136721	45.192	ug/l	97
82) 4-Chlorotoluene	12.77	91	1467827	47.948	ug/l	98
83) tert-Butylbenzene	12.99	119	1721936	48.102	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1939994	48.480	ug/l	99
85) sec-Butylbenzene	13.17	105	2292949	48.423	ug/l	99
86) p-Isopropyltoluene	13.29	119	2081532	49.586	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1040591	51.520	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1019025	51.257	ug/l	99
89) n-Butylbenzene	13.62	91	1652401	49.785	ug/l	99
90) Hexachloroethane	13.88	117	380686	45.453	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1026150	51.106	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79725	47.874	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	511025	57.196	ug/l	98
94) Hexachlorobutadiene	15.01	225	333680	55.044	ug/l	99
95) Naphthalene	15.13	128	1079580	55.954	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	500256	56.851	ug/l	99

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

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