

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052850.D
 Acq On : 13 Dec 2018 1:34
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:48 PM

Quant Time: Dec 13 05:41:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	958798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1519053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1362414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	646618	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	535833	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
35) Dibromofluoromethane	7.59	113	434188	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	10.09	98	1881123	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.40	95	645537	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	512807	51.957	ug/l	98
3) Chloromethane	2.06	50	606257	51.179	ug/l	100
4) Vinyl Chloride	2.19	62	612719	51.701	ug/l	100
5) Bromomethane	2.57	94	347106	47.487	ug/l	100
6) Chloroethane	2.71	64	356470	50.888	ug/l	99
7) Trichlorofluoromethane	3.02	101	752951	51.246	ug/l	100
8) Diethyl Ether	3.41	74	287805	53.698	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	465165	51.083	ug/l	100
10) Methyl Iodide	3.96	142	656462	51.477	ug/l	100
11) Tert butyl alcohol	4.78	59	149417	262.302	ug/l	100
12) 1,1-Dichloroethene	3.74	96	453818	51.482	ug/l	99
13) Acrolein	3.61	56	110861	206.708	ug/l	99
14) Allyl chloride	4.33	41	710631	49.355	ug/l	99
15) Acrylonitrile	4.99	53	870728	272.467	ug/l	100
16) Acetone	3.82	43	647559	282.818	ug/l	97
17) Carbon Disulfide	4.06	76	1357368	50.124	ug/l	100
18) Methyl Acetate	4.32	43	448949	53.427	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1253589	52.383	ug/l	100
20) Methylene Chloride	4.55	84	522280	50.687	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	487239	51.018	ug/l	99
22) Diisopropyl ether	5.95	45	1604669	52.241	ug/l	99
23) Vinyl Acetate	5.90	43	4848226	265.255	ug/l	98
24) 1,1-Dichloroethane	5.85	63	924789	52.208	ug/l	100
25) 2-Butanone	6.83	43	919755	258.885	ug/l	99
26) 2,2-Dichloropropane	6.83	77	556373	42.652	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	561566	51.809	ug/l	98
28) Bromochloromethane	7.20	49	376240	47.301	ug/l	100
29) Tetrahydrofuran	7.21	42	649461	267.773	ug/l	99
30) Chloroform	7.37	83	894295	51.773	ug/l	99
31) Cyclohexane	7.65	56	870117	50.371	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	746252	51.636	ug/l	100
36) 1,1-Dichloropropene	7.80	75	700937	50.108	ug/l	99
37) Ethyl Acetate	6.93	43	434972	51.762	ug/l	98
38) Carbon Tetrachloride	7.78	117	645364	50.123	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	840980	48.990	ug/l	99
40) Benzene	8.04	78	2109832	50.253	ug/l	99
41) Methacrylonitrile	7.18	41	246470	52.935	ug/l	96
42) 1,2-Dichloroethane	8.13	62	629996	49.843	ug/l	99
43) Isopropyl Acetate	8.17	43	830759	48.218	ug/l	99
44) Trichloroethene	8.84	130	562813	49.629	ug/l	97
45) 1,2-Dichloropropane	9.12	63	556610	50.616	ug/l	99
46) Dibromomethane	9.21	93	321457	50.405	ug/l	99
47) Bromodichloromethane	9.40	83	678978	51.340	ug/l	100
48) Methyl methacrylate	9.20	41	398752	52.774	ug/l	99
49) 1,4-Dioxane	9.20	88	91296	1064.497	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2103175	266.214	ug/l	99
52) Toluene	10.16	92	1386641	54.531	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	679735	51.077	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	792906	49.999	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	463915	51.108	ug/l	98
56) Ethyl methacrylate	10.43	69	617816	53.035	ug/l	99
57) 1,3-Dichloropropane	10.71	76	793042	50.947	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1753818	269.819	ug/l	100
59) 2-Hexanone	10.75	43	1391876	257.077	ug/l	100
60) Dibromochloromethane	10.90	129	511774	52.167	ug/l	100
61) 1,2-Dibromoethane	11.01	107	463429	51.650	ug/l	100
64) Tetrachloroethene	10.63	164	595448	50.851	ug/l	100
65) Chlorobenzene	11.44	112	1406361	49.756	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	496775	50.535	ug/l	100
67) Ethyl Benzene	11.51	91	2467938	50.843	ug/l	100
68) m/p-Xylenes	11.62	106	1860938	102.102	ug/l	100
69) o-Xylene	11.95	106	910687	51.169	ug/l	99
70) Styrene	11.96	104	1496303	52.299	ug/l	99
71) Bromoform	12.13	173	346445	51.876	ug/l #	99
73) Isopropylbenzene	12.25	105	2440043	50.541	ug/l	100
74) N-amyl acetate	12.07	43	713310	53.816	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	530354	49.016	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	473268m	49.608	ug/l	
77) Bromobenzene	12.53	156	607931	49.508	ug/l	100
78) n-propylbenzene	12.59	91	2759487	50.117	ug/l	100
79) 2-Chlorotoluene	12.68	91	1613355	49.563	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1957033	50.215	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	150537	50.691	ug/l	99
82) 4-Chlorotoluene	12.77	91	1640685	49.297	ug/l	100
83) tert-Butylbenzene	12.99	119	1703629	49.554	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1982930	50.258	ug/l	99
85) sec-Butylbenzene	13.17	105	2306770	49.545	ug/l	99
86) p-Isopropyltoluene	13.29	119	2008423	49.790	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1072811	49.163	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1059110	49.010	ug/l	100
89) n-Butylbenzene	13.62	91	1672429	49.250	ug/l	100
90) Hexachloroethane	13.88	117	335682	49.697	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1036971	49.401	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85620	52.495	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	572980	50.216	ug/l	99
94) Hexachlorobutadiene	15.01	225	305195	46.210	ug/l	99
95) Naphthalene	15.13	128	1264274	53.498	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	537137	51.303	ug/l	100

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

