

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053090.D
 Acq On : 21 Dec 2018 7:02
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 11:32:03 AM

Quant Time: Dec 21 07:42:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1100888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1718081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1508205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	648124	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	610020	54.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.20%	
35) Dibromofluoromethane	7.59	113	505031	64.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.70%	
50) Toluene-d8	10.09	98	2225517	52.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.64%	
62) 4-Bromofluorobenzene	12.40	95	740963	50.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	509467	45.726	ug/l	99
3) Chloromethane	2.06	50	612258	45.347	ug/l	100
4) Vinyl Chloride	2.19	62	644254	47.115	ug/l	100
5) Bromomethane	2.57	94	390881	41.259	ug/l	99
6) Chloroethane	2.71	64	386914	47.777	ug/l	99
7) Trichlorofluoromethane	3.03	101	839806	49.301	ug/l	99
8) Diethyl Ether	3.41	74	337162	52.466	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	523911	48.238	ug/l	98
10) Methyl Iodide	3.96	142	689576	45.211	ug/l	99
11) Tert butyl alcohol	4.78	59	183626	269.378	ug/l	99
12) 1,1-Dichloroethene	3.74	96	521135	49.665	ug/l	97
13) Acrolein	3.61	56	169706	274.563	ug/l	99
14) Allyl chloride	4.33	41	788871	48.536	ug/l	97
15) Acrylonitrile	4.99	53	989041	261.167	ug/l	99
16) Acetone	3.82	43	630433	287.808	ug/l	95
17) Carbon Disulfide	4.06	76	1489811	43.536	ug/l	100
18) Methyl Acetate	4.33	43	520320	52.290	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1492648	53.157	ug/l	99
20) Methylene Chloride	4.56	84	593689	49.686	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	558353	49.527	ug/l	98
22) Diisopropyl ether	5.95	45	1849103	53.300	ug/l	98
23) Vinyl Acetate	5.90	43	5450067	273.196	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1060336	51.434	ug/l	99
25) 2-Butanone	6.84	43	1034664	281.454	ug/l	97
26) 2,2-Dichloropropane	6.83	77	588534	37.398	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	648660	50.823	ug/l	97
28) Bromochloromethane	7.20	49	472536	52.898	ug/l	95
29) Tetrahydrofuran	7.21	42	733031	266.985	ug/l	98
30) Chloroform	7.37	83	1027962	50.760	ug/l	100
31) Cyclohexane	7.66	56	958894	49.586	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	875795	50.766	ug/l	99
36) 1,1-Dichloropropene	7.80	75	805944	48.873	ug/l	100
37) Ethyl Acetate	6.93	43	487362	52.940	ug/l	99
38) Carbon Tetrachloride	7.78	117	750892	49.678	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	921917	46.021	ug/l	97
40) Benzene	8.04	78	2446868	49.884	ug/l	100
41) Methacrylonitrile	7.17	41	281521	52.927	ug/l	97
42) 1,2-Dichloroethane	8.13	62	727350	50.195	ug/l	99
43) Isopropyl Acetate	8.16	43	927775	52.123	ug/l	99
44) Trichloroethene	8.84	130	667744	47.066	ug/l	98
45) 1,2-Dichloropropane	9.12	63	648960	50.794	ug/l	98
46) Dibromomethane	9.21	93	372033	49.986	ug/l	98
47) Bromodichloromethane	9.40	83	793829	50.176	ug/l	100
48) Methyl methacrylate	9.20	41	465273	52.084	ug/l	98
49) 1,4-Dioxane	9.20	88	106590	943.276	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2387181	267.767	ug/l	99
52) Toluene	10.16	92	1501921	49.400	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	792052	47.610	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	918341	48.091	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	542901	51.185	ug/l	99
56) Ethyl methacrylate	10.43	69	744801	53.052	ug/l	97
57) 1,3-Dichloropropane	10.71	76	924830	50.847	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2034829	264.011	ug/l	99
59) 2-Hexanone	10.75	43	1589898	263.584	ug/l	98
60) Dibromochloromethane	10.90	129	603121	49.675	ug/l	100
61) 1,2-Dibromoethane	11.01	107	547457	50.821	ug/l	100
64) Tetrachloroethene	10.63	164	713091	43.648	ug/l	99
65) Chlorobenzene	11.43	112	1649357	49.334	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	594648	51.148	ug/l	100
67) Ethyl Benzene	11.51	91	2854255	49.643	ug/l	100
68) m/p-Xylenes	11.62	106	2120065	96.996	ug/l	99
69) o-Xylene	11.95	106	1035191	49.356	ug/l	100
70) Styrene	11.96	104	1706916	49.910	ug/l	99
71) Bromoform	12.13	173	407671	48.539	ug/l	99
73) Isopropylbenzene	12.25	105	2743478	54.101	ug/l	99
74) N-amyl acetate	12.07	43	804632	57.151	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	598280	60.138	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	523085m	47.943	ug/l	
77) Bromobenzene	12.53	156	731609	55.502	ug/l	93
78) n-propylbenzene	12.59	91	3031318	52.487	ug/l	100
79) 2-Chlorotoluene	12.68	91	1783116	49.809	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2099709	50.800	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	162886	48.119	ug/l	97
82) 4-Chlorotoluene	12.77	91	1798048	51.309	ug/l	99
83) tert-Butylbenzene	12.99	119	1872852	51.233	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2096400	50.453	ug/l	100
85) sec-Butylbenzene	13.17	105	2431805	49.182	ug/l	100
86) p-Isopropyltoluene	13.29	119	2087702	48.864	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1145823	49.113	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1124246	47.585	ug/l	100
89) n-Butylbenzene	13.62	91	1662508	45.231	ug/l	100
90) Hexachloroethane	13.88	117	346165	52.798	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1066768	48.584	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82854	48.166	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	550275	47.335	ug/l	100
94) Hexachlorobutadiene	15.01	225	303174	50.354	ug/l	99
95) Naphthalene	15.13	128	1254880	49.262	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	499258	47.683	ug/l	99

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

