

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052827.D
 Acq On : 12 Dec 2018 15:12
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:11 PM

Quant Time: Dec 13 00:46:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 00:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1025784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1572693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1418350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	667823	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	533060	48.87	ug/l	0.00
Spiked Amount						
			Recovery	=	97.74%	
35) Dibromofluoromethane	7.59	113	419452	47.78	ug/l	0.00
Spiked Amount						
			Recovery	=	95.56%	
50) Toluene-d8	10.09	98	1888708	49.62	ug/l	0.00
Spiked Amount						
			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.40	95	641510	49.74	ug/l	0.00
Spiked Amount						
			Recovery	=	99.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	527516	49.957	ug/l	100
3) Chloromethane	2.06	50	629241	49.650	ug/l	100
4) Vinyl Chloride	2.19	62	635647	50.133	ug/l	100
5) Bromomethane	2.57	94	371709	47.532	ug/l	100
6) Chloroethane	2.71	64	369389	49.289	ug/l	100
7) Trichlorofluoromethane	3.02	101	784676	49.918	ug/l	100
8) Diethyl Ether	3.41	74	292456	51.003	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	483585	49.638	ug/l	100
10) Methyl Iodide	3.96	142	695639	50.987	ug/l	100
11) Tert butyl alcohol	4.78	59	143904	236.127	ug/l	100
12) 1,1-Dichloroethene	3.74	96	474666	50.330	ug/l	100
13) Acrolein	3.61	56	143418	249.950	ug/l	100
14) Allyl chloride	4.33	41	756601	49.117	ug/l	100
15) Acrylonitrile	4.99	53	876309	256.307	ug/l	100
16) Acetone	3.82	43	592341	241.808	ug/l	100
17) Carbon Disulfide	4.06	76	1435620	49.552	ug/l	100
18) Methyl Acetate	4.32	43	441223	49.078	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1289430	50.362	ug/l	100
20) Methylene Chloride	4.55	84	533487	48.393	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	503126	49.241	ug/l	100
22) Diisopropyl ether	5.95	45	1657293	50.431	ug/l	100
23) Vinyl Acetate	5.90	43	4989883	255.178	ug/l	100
24) 1,1-Dichloroethane	5.85	63	948548	50.053	ug/l	100
25) 2-Butanone	6.83	43	936428	246.366	ug/l	100
26) 2,2-Dichloropropane	6.83	77	703973	50.443	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	579190	49.945	ug/l	100
28) Bromochloromethane	7.20	49	432292	50.799	ug/l	100
29) Tetrahydrofuran	7.21	42	648391	249.874	ug/l	100
30) Chloroform	7.37	83	918800	49.718	ug/l	100
31) Cyclohexane	7.66	56	908066	42.977	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	775452	50.152	ug/l	100
36) 1,1-Dichloropropene	7.80	75	728844	50.326	ug/l	100
37) Ethyl Acetate	6.93	43	447996	51.493	ug/l	100
38) Carbon Tetrachloride	7.78	117	673460	50.521	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	884845	49.788	ug/l	100
40) Benzene	8.04	78	2197539	50.556	ug/l	100
41) Methacrylonitrile	7.17	41	234440	48.634	ug/l	100
42) 1,2-Dichloroethane	8.12	62	658403	50.314	ug/l	100
43) Isopropyl Acetate	8.16	43	819599	45.948	ug/l	100
44) Trichloroethene	8.84	130	580842	49.472	ug/l	100
45) 1,2-Dichloropropane	9.12	63	576942	50.675	ug/l	100
46) Dibromomethane	9.21	93	329471	49.899	ug/l	100
47) Bromodichloromethane	9.40	83	702026	51.273	ug/l	100
48) Methyl methacrylate	9.20	41	407463	52.088	ug/l	100
49) 1,4-Dioxane	9.20	88	88333	994.821	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	2114689	258.542	ug/l	100
52) Toluene	10.16	92	1339719	50.889	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	721951	52.399	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	844281	51.423	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	471355	50.156	ug/l	100
56) Ethyl methacrylate	10.43	69	631778	52.384	ug/l	100
57) 1,3-Dichloropropane	10.71	76	815446	50.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1762909	261.967	ug/l	100
59) 2-Hexanone	10.75	43	1446629	258.076	ug/l	100
60) Dibromochloromethane	10.90	129	522212	51.416	ug/l	100
61) 1,2-Dibromoethane	11.01	107	477516	51.405	ug/l	100
64) Tetrachloroethene	10.63	164	606210	49.729	ug/l	100
65) Chlorobenzene	11.43	112	1455907	49.477	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	513688	50.195	ug/l	100
67) Ethyl Benzene	11.51	91	2566204	50.783	ug/l	100
68) m/p-Xylenes	11.62	106	1936470	102.056	ug/l	100
69) o-Xylene	11.95	106	945495	51.030	ug/l	100
70) Styrene	11.96	104	1549490	52.023	ug/l	100
71) Bromoform	12.13	173	359496	51.707	ug/l #	100
73) Isopropylbenzene	12.25	105	2502117	50.181	ug/l	100
74) N-amyl acetate	12.07	43	706933	51.642	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	545414	48.807	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	485241m	43.565	ug/l	
77) Bromobenzene	12.53	156	629490	49.636	ug/l	100
78) n-propylbenzene	12.59	91	2888471	50.793	ug/l	100
79) 2-Chlorotoluene	12.68	91	1676437	49.866	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2041528	50.720	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	157303	51.287	ug/l	100
82) 4-Chlorotoluene	12.77	91	1713323	49.845	ug/l	100
83) tert-Butylbenzene	12.99	119	1787449	50.341	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2067666	50.742	ug/l	100
85) sec-Butylbenzene	13.17	105	2424895	50.428	ug/l	100
86) p-Isopropyltoluene	13.29	119	2114795	50.762	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1123514	49.852	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1106923	49.596	ug/l	100
89) n-Butylbenzene	13.62	91	1792830	51.119	ug/l	100
90) Hexachloroethane	13.88	117	349554	50.108	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1081091	49.867	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85240	50.603	ug/l	100

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93) 1,2,4-Trichlorobenzene	14.91	180	604129	51.265	ug/l	100
94) Hexachlorobutadiene	15.01	225	325398	47.705	ug/l	100
95) Naphthalene	15.13	128	1271586	52.098	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	550464	50.907	ug/l	100

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

