

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052828.D
 Acq On : 12 Dec 2018 15:39
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:16 PM

Quant Time: Dec 13 00:47:49 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	1025656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1584179	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1431428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	682647	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1077744	98.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.64%	
35) Dibromofluoromethane	7.59	113	891799	100.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.70%	
50) Toluene-d8	10.09	98	3841603	100.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.40%	
62) 4-Bromofluorobenzene	12.40	95	1337937	102.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1075400	101.855	ug/l	99
3) Chloromethane	2.06	50	1279322	100.958	ug/l	100
4) Vinyl Chloride	2.19	62	1289781	101.738	ug/l	100
5) Bromomethane	2.56	94	768893	98.333	ug/l	99
6) Chloroethane	2.71	64	746770	99.656	ug/l	98
7) Trichlorofluoromethane	3.02	101	1598158	101.680	ug/l	100
8) Diethyl Ether	3.41	74	598584	104.403	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	985232	101.142	ug/l	99
10) Methyl Iodide	3.96	142	1434762	105.174	ug/l	100
11) Tert butyl alcohol	4.78	59	321897	528.255	ug/l	99
12) 1,1-Dichloroethene	3.74	96	968084	102.662	ug/l	99
13) Acrolein	3.61	56	203320	354.391	ug/l	100
14) Allyl chloride	4.33	41	1571045	102.001	ug/l	99
15) Acrylonitrile	4.99	53	1812121	530.084	ug/l	99
16) Acetone	3.81	43	1211053	494.442	ug/l	99
17) Carbon Disulfide	4.06	76	2997451	103.473	ug/l	99
18) Methyl Acetate	4.32	43	933471	103.845	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	2644483	103.300	ug/l	99
20) Methylene Chloride	4.55	84	1078042	97.803	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	1035772	101.384	ug/l	98
22) Diisopropyl ether	5.95	45	3366953	102.468	ug/l	99
23) Vinyl Acetate	5.90	43	10362290	529.983	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1947852	102.796	ug/l	99
25) 2-Butanone	6.83	43	1960198	515.774	ug/l	98
26) 2,2-Dichloropropane	6.83	77	1445257	103.573	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1179260	101.704	ug/l	99
28) Bromochloromethane	7.19	49	872981	102.598	ug/l	99
29) Tetrahydrofuran	7.21	42	1371294	528.530	ug/l	100
30) Chloroform	7.37	83	1871286	101.271	ug/l	99
31) Cyclohexane	7.66	56	1845624	87.360	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	1602282	103.640	ug/l	99
36) 1,1-Dichloropropene	7.80	75	1505241	103.182	ug/l	99
37) Ethyl Acetate	6.93	43	923106	105.334	ug/l	98
38) Carbon Tetrachloride	7.77	117	1404082	104.566	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1846598	103.149	ug/l	99
40) Benzene	8.04	78	4452881	101.700	ug/l	99
41) Methacrylonitrile	7.17	41	547603	112.775	ug/l	93
42) 1,2-Dichloroethane	8.12	62	1333953	101.199	ug/l	99
43) Isopropyl Acetate	8.16	43	1686007	93.834	ug/l	99
44) Trichloroethene	8.84	130	1195657	101.099	ug/l	97
45) 1,2-Dichloropropane	9.12	63	1181917	103.060	ug/l	100
46) Dibromomethane	9.21	93	674869	101.469	ug/l	99
47) Bromodichloromethane	9.40	83	1441873	104.544	ug/l	100
48) Methyl methacrylate	9.20	41	855160	108.527	ug/l	99
49) 1,4-Dioxane	9.20	88	195660	2187.578	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	4366954	530.032	ug/l	100
52) Toluene	10.16	92	2752297	103.788	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1530060	110.245	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1765938	106.779	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	966057	102.052	ug/l	99
56) Ethyl methacrylate	10.43	69	1334709	109.866	ug/l	100
57) 1,3-Dichloropropane	10.71	76	1675640	103.222	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	3700709	545.936	ug/l	100
59) 2-Hexanone	10.75	43	3001771	531.629	ug/l	100
60) Dibromochloromethane	10.90	129	1098096	107.332	ug/l	100
61) 1,2-Dibromoethane	11.01	107	986624	105.441	ug/l	99
64) Tetrachloroethene	10.63	164	1217924	98.996	ug/l	99
65) Chlorobenzene	11.43	112	3027178	101.935	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1069918	103.591	ug/l	100
67) Ethyl Benzene	11.51	91	5329993	104.512	ug/l	100
68) m/p-Xylenes	11.62	106	3997702	208.762	ug/l	100
69) o-Xylene	11.95	106	1945442	104.039	ug/l	100
70) Styrene	11.96	104	3228609	107.407	ug/l	100
71) Bromoform	12.13	173	760434	108.375	ug/l #	99
73) Isopropylbenzene	12.25	105	5160492	101.248	ug/l	100
74) N-amyl acetate	12.07	43	1520668	108.673	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1131923	99.092	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1001219m	87.937	ug/l	
77) Bromobenzene	12.53	156	1319922	101.816	ug/l	100
78) n-propylbenzene	12.59	91	6001437	103.243	ug/l	100
79) 2-Chlorotoluene	12.68	91	3469078	100.947	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	4198584	102.044	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	357854	114.142	ug/l	97
82) 4-Chlorotoluene	12.77	91	3570343	101.614	ug/l	100
83) tert-Butylbenzene	12.99	119	3673221	101.205	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	4293799	103.084	ug/l	100
85) sec-Butylbenzene	13.17	105	5051505	102.770	ug/l	100
86) p-Isopropyltoluene	13.29	119	4421569	103.828	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2348907	101.960	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2318556	101.629	ug/l	99
89) n-Butylbenzene	13.62	91	3863417	107.766	ug/l	100
90) Hexachloroethane	13.88	117	751988	105.455	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	2218380	100.105	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	182840	106.186	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	1314446	109.118	ug/l	100
94) Hexachlorobutadiene	15.01	225	675688	96.908	ug/l	99
95) Naphthalene	15.13	128	2844218	114.001	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1200164	108.580	ug/l	99

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

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