

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121718\
 Data File : VN052940.D
 Acq On : 17 Dec 2018 20:58
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 1:33:37 PM

Quant Time: Dec 18 06:25:57 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	1083833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1672035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1500698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	717006	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	569198	49.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.78%	
35) Dibromofluoromethane	7.59	113	370610	39.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.42%	
50) Toluene-d8	10.09	98	2012298	49.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	708863	51.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	515099	46.168	ug/l	100
3) Chloromethane	2.06	50	621964	46.448	ug/l	99
4) Vinyl Chloride	2.19	62	630537	47.067	ug/l	100
5) Bromomethane	2.57	94	406141	49.153	ug/l	99
6) Chloroethane	2.71	64	374914	47.346	ug/l	99
7) Trichlorofluoromethane	3.03	101	794376	47.828	ug/l	99
8) Diethyl Ether	3.41	74	309297	51.051	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	496138	48.199	ug/l	99
10) Methyl Iodide	3.96	142	730906	50.702	ug/l	100
11) Tert butyl alcohol	4.77	59	183017	284.222	ug/l	99
12) 1,1-Dichloroethene	3.74	96	486137	48.786	ug/l	98
13) Acrolein	3.61	56	97595	160.979	ug/l	100
14) Allyl chloride	4.33	41	763006	46.880	ug/l	98
15) Acrylonitrile	4.99	53	944855	261.554	ug/l	100
16) Acetone	3.81	43	602790	232.894	ug/l	97
17) Carbon Disulfide	4.06	76	1431086	46.750	ug/l	99
18) Methyl Acetate	4.32	43	518138	54.547	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1399157	51.721	ug/l	100
20) Methylene Chloride	4.55	84	571649	49.078	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	511143	47.347	ug/l	99
22) Diisopropyl ether	5.95	45	1696581	48.861	ug/l	97
23) Vinyl Acetate	5.90	43	5007268	242.352	ug/l	99
24) 1,1-Dichloroethane	5.85	63	977243	48.805	ug/l	99
25) 2-Butanone	6.83	43	993319	247.336	ug/l	97
26) 2,2-Dichloropropane	6.83	77	676431	45.874	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	598318	48.831	ug/l	99
28) Bromochloromethane	7.20	49	443245	49.297	ug/l	97
29) Tetrahydrofuran	7.21	42	707491	258.047	ug/l	99
30) Chloroform	7.37	83	952896	48.801	ug/l	100
31) Cyclohexane	7.65	56	904520	46.274	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	808256	49.474	ug/l	99
36) 1,1-Dichloropropene	7.79	75	737033	47.868	ug/l	100
37) Ethyl Acetate	6.93	43	469294	50.736	ug/l	99
38) Carbon Tetrachloride	7.78	117	683669	48.239	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	892853	47.253	ug/l	98
40) Benzene	8.04	78	2236636	48.399	ug/l	100
41) Methacrylonitrile	7.17	41	259677	50.668	ug/l	95
42) 1,2-Dichloroethane	8.12	62	673080	48.379	ug/l	99
43) Isopropyl Acetate	8.16	43	921302	48.580	ug/l	99
44) Trichloroethene	8.84	130	633644	50.763	ug/l	97
45) 1,2-Dichloropropane	9.12	63	597780	49.386	ug/l	100
46) Dibromomethane	9.21	93	344991	49.145	ug/l	98
47) Bromodichloromethane	9.40	83	724625	49.779	ug/l	100
48) Methyl methacrylate	9.20	41	440356	52.948	ug/l	100
49) 1,4-Dioxane	9.20	88	105001	1112.279	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2271395	261.201	ug/l	99
52) Toluene	10.16	92	1385724	49.509	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	776084	52.981	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	889551	50.961	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	501282	50.172	ug/l	97
56) Ethyl methacrylate	10.43	69	699956	54.589	ug/l	98
57) 1,3-Dichloropropane	10.71	76	857787	50.065	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1919632	268.308	ug/l	99
59) 2-Hexanone	10.75	43	1538744	258.200	ug/l	99
60) Dibromochloromethane	10.90	129	553589	51.266	ug/l	100
61) 1,2-Dibromoethane	11.01	107	507228	51.359	ug/l	100
64) Tetrachloroethene	10.63	164	729428	56.553	ug/l	99
65) Chlorobenzene	11.44	112	1521135	48.857	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	545232	50.354	ug/l	100
67) Ethyl Benzene	11.51	91	2658683	49.726	ug/l	100
68) m/p-Xylenes	11.62	106	2022525	100.742	ug/l	99
69) o-Xylene	11.95	106	984554	50.222	ug/l	99
70) Styrene	11.96	104	1619149	51.378	ug/l	100
71) Bromoform	12.13	173	387647	52.696	ug/l #	100
73) Isopropylbenzene	12.25	105	2600909	48.584	ug/l	100
74) N-amyl acetate	12.07	43	804753	54.755	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	534763	44.572	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	514653m	48.650	ug/l	
77) Bromobenzene	12.53	156	673228	49.443	ug/l	98
78) n-propylbenzene	12.59	91	2982007	48.841	ug/l	100
79) 2-Chlorotoluene	12.68	91	1735065	48.069	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2117050	48.988	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	185567	56.353	ug/l	96
82) 4-Chlorotoluene	12.77	91	1780585	48.248	ug/l	99
83) tert-Butylbenzene	12.99	119	1843660	48.362	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2164587	49.476	ug/l	100
85) sec-Butylbenzene	13.17	105	2521211	48.835	ug/l	100
86) p-Isopropyltoluene	13.29	119	2202426	49.240	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1181182	48.815	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1161174	48.458	ug/l	99
89) n-Butylbenzene	13.62	91	1877668	49.866	ug/l	99
90) Hexachloroethane	13.88	117	336492	44.927	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1136671	48.835	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	99656	55.103	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	655729	51.826	ug/l	99
94) Hexachlorobutadiene	15.01	225	344022	46.975	ug/l	99
95) Naphthalene	15.13	128	1469600	56.081	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	579010	49.873	ug/l	100

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

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