

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052741.D
 Acq On : 10 Dec 2018 9:16
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:45:30 PM

Quant Time: Dec 11 02:17:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1042216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1576773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1397578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	688272	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	558335	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	7.59	113	412137	42.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.80%	
50) Toluene-d8	10.09	98	1962615	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.40	95	697245	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	406297	41.635	ug/l	100
3) Chloromethane	2.06	50	512773	39.807	ug/l	100
4) Vinyl Chloride	2.19	62	553735	41.847	ug/l	100
5) Bromomethane	2.57	94	278137	33.688	ug/l	99
6) Chloroethane	2.71	64	346414	43.219	ug/l	98
7) Trichlorofluoromethane	3.03	101	760152	46.767	ug/l	100
8) Diethyl Ether	3.41	74	283498	47.231	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	495867	48.891	ug/l	98
10) Methyl Iodide	3.96	142	504529	37.349	ug/l	99
11) Tert butyl alcohol	4.77	59	138559	243.897	ug/l	100
12) 1,1-Dichloroethene	3.74	96	452151	46.314	ug/l	100
13) Acrolein	3.61	56	43657	44.215	ug/l	98
14) Allyl chloride	4.33	41	799987	47.544	ug/l	99
15) Acrylonitrile	4.98	53	824074	229.153	ug/l	99
16) Acetone	3.81	43	631224	210.893	ug/l	97
17) Carbon Disulfide	4.06	76	1233424	40.146	ug/l	99
18) Methyl Acetate	4.32	43	418953	48.797	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1274211	49.055	ug/l	100
20) Methylene Chloride	4.55	84	526253	44.930	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	490663	47.057	ug/l	97
22) Diisopropyl ether	5.95	45	1693174	47.905	ug/l	99
23) Vinyl Acetate	5.89	43	4606982	209.273	ug/l	99
24) 1,1-Dichloroethane	5.85	63	970880	48.110	ug/l	99
25) 2-Butanone	6.83	43	939389	221.428	ug/l	97
26) 2,2-Dichloropropane	6.82	77	736727	52.744	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	584063	48.087	ug/l	99
28) Bromochloromethane	7.19	49	441957	47.949	ug/l	95
29) Tetrahydrofuran	7.21	42	608057	222.216	ug/l	98
30) Chloroform	7.37	83	951521	47.260	ug/l	97
31) Cyclohexane	7.65	56	869285	44.464	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	790457	49.552	ug/l	99
36) 1,1-Dichloropropene	7.79	75	725248	48.707	ug/l	98
37) Ethyl Acetate	6.92	43	402012	44.239	ug/l	99
38) Carbon Tetrachloride	7.77	117	685129	50.828	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	883765	48.832	ug/l	99
40) Benzene	8.04	78	2172756	48.964	ug/l	100
41) Methacrylonitrile	7.17	41	225928	45.476	ug/l	94
42) 1,2-Dichloroethane	8.12	62	662005	49.271	ug/l	99
43) Isopropyl Acetate	8.16	43	744830	48.434	ug/l	99
44) Trichloroethene	8.83	130	594334	52.288	ug/l	100
45) 1,2-Dichloropropane	9.12	63	585590	49.636	ug/l	100
46) Dibromomethane	9.21	93	332121	50.853	ug/l	99
47) Bromodichloromethane	9.40	83	730115	51.418	ug/l	99
48) Methyl methacrylate	9.20	41	378622	47.217	ug/l	97
49) 1,4-Dioxane	9.19	88	83253	1000.395	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2066798	239.537	ug/l	99
52) Toluene	10.16	92	1335121	50.640	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	732360	53.613	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	871680	53.249	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	472111	50.907	ug/l	99
56) Ethyl methacrylate	10.43	69	598687	46.678	ug/l	99
57) 1,3-Dichloropropane	10.71	76	815171	49.781	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1733114	257.542	ug/l	99
59) 2-Hexanone	10.75	43	1481004	255.747	ug/l	99
60) Dibromochloromethane	10.90	129	539803	53.592	ug/l	99
61) 1,2-Dibromoethane	11.00	107	464454	50.424	ug/l	100
64) Tetrachloroethene	10.63	164	657171	60.648	ug/l	99
65) Chlorobenzene	11.43	112	1497515	51.965	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	530760	52.969	ug/l	99
67) Ethyl Benzene	11.51	91	2618400	51.885	ug/l	99
68) m/p-Xylenes	11.62	106	1975254	105.140	ug/l	100
69) o-Xylene	11.95	106	954441	52.316	ug/l	99
70) Styrene	11.96	104	1595957	54.923	ug/l	99
71) Bromoform	12.13	173	358918	54.098	ug/l	99
73) Isopropylbenzene	12.25	105	2587093	47.910	ug/l	99
74) N-amyl acetate	12.07	43	672896	49.324	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	512122	41.691	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	451646m	42.554	ug/l	
77) Bromobenzene	12.53	156	656574	49.192	ug/l	96
78) n-propylbenzene	12.59	91	3033195	49.445	ug/l	99
79) 2-Chlorotoluene	12.67	91	1742988	47.712	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2120287	49.233	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	155152	48.818	ug/l	97
82) 4-Chlorotoluene	12.77	91	1800113	48.893	ug/l	99
83) tert-Butylbenzene	12.99	119	1869728	48.699	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2156018	49.954	ug/l	100
85) sec-Butylbenzene	13.17	105	2588829	49.506	ug/l	99
86) p-Isopropyltoluene	13.29	119	2265372	50.861	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1188182	50.892	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1176183	51.145	ug/l	100
89) n-Butylbenzene	13.62	91	1996232	53.891	ug/l	100
90) Hexachloroethane	13.87	117	369001	48.928	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1128102	50.575	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82413	46.910	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	682500	55.523	ug/l	100
94) Hexachlorobutadiene	15.01	225	357990	49.888	ug/l	99
95) Naphthalene	15.13	128	1344352	51.750	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	605296	53.666	ug/l	100

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

