

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052767.D
 Acq On : 10 Dec 2018 21:50
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:46:52 PM

Quant Time: Dec 11 03:18:09 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	7.67	168	918487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1441223	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1301160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	629412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	544584	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
35) Dibromofluoromethane	7.59	113	405957	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	
50) Toluene-d8	10.09	98	1885083	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
62) 4-Bromofluorobenzene	12.40	95	668896	57.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	371523	43.200	ug/l	98
3) Chloromethane	2.06	50	484580	42.686	ug/l	99
4) Vinyl Chloride	2.19	62	514173	44.092	ug/l	100
5) Bromomethane	2.57	94	288529	39.654	ug/l	99
6) Chloroethane	2.71	64	324009	45.870	ug/l	99
7) Trichlorofluoromethane	3.02	101	681880	47.602	ug/l	99
8) Diethyl Ether	3.41	74	275942	52.165	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	436509	48.836	ug/l	98
10) Methyl Iodide	3.96	142	551455	46.322	ug/l	100
11) Tert butyl alcohol	4.78	59	134060	267.766	ug/l	100
12) 1,1-Dichloroethene	3.74	96	410288	47.687	ug/l	99
13) Acrolein	3.61	56	118716	136.431	ug/l	98
14) Allyl chloride	4.33	41	673574	45.424	ug/l	95
15) Acrylonitrile	4.99	53	851409	268.647	ug/l	99
16) Acetone	3.82	43	552619	209.502	ug/l	99
17) Carbon Disulfide	4.06	76	1051754	38.845	ug/l	99
18) Methyl Acetate	4.32	43	442962	58.544	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1248191	54.526	ug/l	100
20) Methylene Chloride	4.55	84	492406	47.703	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	443771	48.293	ug/l	96
22) Diisopropyl ether	5.95	45	1585557	50.904	ug/l	98
23) Vinyl Acetate	5.90	43	4577228	235.931	ug/l	99
24) 1,1-Dichloroethane	5.85	63	895731	50.366	ug/l	99
25) 2-Butanone	6.83	43	939017	251.157	ug/l	97
26) 2,2-Dichloropropane	6.83	77	595783	48.399	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	543709	50.795	ug/l	97
28) Bromochloromethane	7.20	49	417834	51.438	ug/l	93
29) Tetrahydrofuran	7.21	42	629811	261.171	ug/l	98
30) Chloroform	7.37	83	887841	50.037	ug/l	99
31) Cyclohexane	7.65	56	765486	44.429	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	727749	51.766	ug/l	99
36) 1,1-Dichloropropene	7.80	75	646916	47.533	ug/l	99
37) Ethyl Acetate	6.93	43	421955	50.801	ug/l	99
38) Carbon Tetrachloride	7.78	117	626531	50.852	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	764087	46.190	ug/l	98
40) Benzene	8.04	78	2010761	49.575	ug/l	100
41) Methacrylonitrile	7.17	41	246901	54.372	ug/l	94
42) 1,2-Dichloroethane	8.13	62	623758	50.790	ug/l	99
43) Isopropyl Acetate	8.16	43	823955	58.618	ug/l	96
44) Trichloroethene	8.84	130	539217	51.901	ug/l	99
45) 1,2-Dichloropropane	9.12	63	552370	51.224	ug/l	98
46) Dibromomethane	9.21	93	317843	53.244	ug/l	98
47) Bromodichloromethane	9.40	83	679683	52.369	ug/l	100
48) Methyl methacrylate	9.20	41	397066	54.175	ug/l	97
49) 1,4-Dioxane	9.20	88	74805	983.423	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2209339	280.140	ug/l	99
52) Toluene	10.16	92	1253003	51.995	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	676943	54.217	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	783460	52.361	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	461088	54.395	ug/l	99
56) Ethyl methacrylate	10.43	69	618027	52.370	ug/l	98
57) 1,3-Dichloropropane	10.71	76	792141	52.924	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1680366	273.189	ug/l	98
59) 2-Hexanone	10.75	43	1482562	280.095	ug/l	99
60) Dibromochloromethane	10.90	129	513442	55.769	ug/l	100
61) 1,2-Dibromoethane	11.01	107	455891	54.149	ug/l	100
64) Tetrachloroethene	10.63	164	575476	57.044	ug/l	99
65) Chlorobenzene	11.44	112	1392832	51.914	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	500884	53.692	ug/l	100
67) Ethyl Benzene	11.51	91	2412143	51.340	ug/l	100
68) m/p-Xylenes	11.62	106	1839181	105.151	ug/l	98
69) o-Xylene	11.95	106	900783	53.034	ug/l	99
70) Styrene	11.96	104	1489437	55.056	ug/l	99
71) Bromoform	12.13	173	355308	57.522	ug/l #	99
73) Isopropylbenzene	12.25	105	2406851	48.740	ug/l	99
74) N-amyl acetate	12.07	43	701350	56.218	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	547664	48.754	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	481449m	49.604	ug/l	
77) Bromobenzene	12.53	156	611219	50.077	ug/l	98
78) n-propylbenzene	12.59	91	2750336	49.026	ug/l	99
79) 2-Chlorotoluene	12.68	91	1625481	48.656	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1954877	49.637	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	151369	52.082	ug/l	97
82) 4-Chlorotoluene	12.77	91	1657069	49.216	ug/l	99
83) tert-Butylbenzene	12.99	119	1733037	49.360	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1991513	50.458	ug/l	99
85) sec-Butylbenzene	13.17	105	2367606	49.509	ug/l	99
86) p-Isopropyltoluene	13.29	119	2043207	50.163	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1093143	51.200	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1082325	51.465	ug/l	100
89) n-Butylbenzene	13.62	91	1728314	51.022	ug/l	100
90) Hexachloroethane	13.88	117	340325	49.346	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1062207	52.074	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	88505	55.089	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	587975	52.471	ug/l	99
94) Hexachlorobutadiene	15.01	225	317870	48.440	ug/l	99
95) Naphthalene	15.13	128	1278955	53.699	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	541246	52.535	ug/l	99

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

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