

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052229.D
 Acq On : 9 Nov 2018 15:53
 Operator : MD\SY
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:18:50 AM

Quant Time: Nov 12 00:16:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Sun Nov 11 23:43:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	303280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	521690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	474272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	215973	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	614833	148.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.46%	
35) Dibromofluoromethane	7.59	113	504570	149.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.64%	
50) Toluene-d8	10.09	98	1996875	150.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.96%	
62) 4-Bromofluorobenzene	12.40	95	672718	157.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	522793	158.560	ug/l	96
3) Chloromethane	2.06	50	689026	149.680	ug/l	100
4) Vinyl Chloride	2.19	62	578510	150.837	ug/l	98
5) Bromomethane	2.56	94	345474	141.972	ug/l	96
6) Chloroethane	2.71	64	326184	143.217	ug/l	99
7) Trichlorofluoromethane	3.02	101	757532	141.888	ug/l	100
8) Diethyl Ether	3.41	74	302453	144.000	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	484488	140.905	ug/l	98
10) Methyl Iodide	3.96	142	727153	163.613	ug/l	100
11) Tert butyl alcohol	4.78	59	141495	683.101	ug/l	99
12) 1,1-Dichloroethene	3.74	96	465914	146.947	ug/l	99
13) Acrolein	3.61	56	270393	944.002	ug/l	96
14) Allyl chloride	4.33	41	984420	148.297	ug/l	97
15) Acrylonitrile	4.99	53	953571	729.745	ug/l	99
16) Acetone	3.82	43	732868	575.950	ug/l	99
17) Carbon Disulfide	4.06	76	1462918	159.056	ug/l	100
18) Methyl Acetate	4.32	43	470313	143.840	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1349216	148.945	ug/l	99
20) Methylene Chloride	4.55	84	535961	152.586	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	496886	144.196	ug/l	93
22) Diisopropyl ether	5.95	45	1967020	147.094	ug/l	99
23) Vinyl Acetate	5.90	43	7005336	767.198	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1019170	145.005	ug/l	99
25) 2-Butanone	6.83	43	1166439	659.249	ug/l	99
26) 2,2-Dichloropropane	6.83	77	769596	149.915	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	570309	147.853	ug/l	99
28) Bromochloromethane	7.20	49	510134	146.885	ug/l	99
29) Tetrahydrofuran	7.21	42	778950	684.965	ug/l	100
30) Chloroform	7.37	83	967335	145.423	ug/l	98
31) Cyclohexane	7.66	56	971387	119.074	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	830328	153.144	ug/l	99
36) 1,1-Dichloropropene	7.80	75	778106	147.770	ug/l	100
37) Ethyl Acetate	6.93	43	545890	140.505	ug/l	99
38) Carbon Tetrachloride	7.78	117	727105	152.372	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	910019	151.517	ug/l	100
40) Benzene	8.04	78	2195104	145.600	ug/l	100
41) Methacrylonitrile	7.18	41	307920m	150.238	ug/l	
42) 1,2-Dichloroethane	8.13	62	753265	142.404	ug/l	100
43) Isopropyl Acetate	8.16	43	1022457	148.111	ug/l	99
44) Trichloroethene	8.84	130	554006	146.643	ug/l	99
45) 1,2-Dichloropropane	9.12	63	616840	146.454	ug/l	99
46) Dibromomethane	9.21	93	353180	145.985	ug/l	99
47) Bromodichloromethane	9.40	83	757651	151.154	ug/l	99
48) Methyl methacrylate	9.20	41	522545	143.662	ug/l	99
49) 1,4-Dioxane	9.20	88	72052	2464.178	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2686134	704.585	ug/l	100
52) Toluene	10.16	92	1358010	149.324	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	824907	166.770	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	924590	158.346	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	469825	142.929	ug/l	99
56) Ethyl methacrylate	10.43	69	678120	152.641	ug/l	99
57) 1,3-Dichloropropane	10.71	76	857655	145.752	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1877360	763.177	ug/l	99
59) 2-Hexanone	10.75	43	1814109	677.848	ug/l	100
60) Dibromochloromethane	10.90	129	549933	164.935	ug/l	98
61) 1,2-Dibromoethane	11.01	107	483607	149.697	ug/l	100
64) Tetrachloroethene	10.63	164	475820	143.295	ug/l	99
65) Chlorobenzene	11.43	112	1475902	146.865	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	520817	152.997	ug/l	98
67) Ethyl Benzene	11.51	91	2655689	150.240	ug/l	99
68) m/p-Xylenes	11.62	106	1963451	298.266	ug/l	99
69) o-Xylene	11.95	106	938101	149.161	ug/l	97
70) Styrene	11.96	104	1559765	153.507	ug/l	100
71) Bromoform	12.13	173	332274	163.619	ug/l #	99
73) Isopropylbenzene	12.25	105	2554657	144.699	ug/l	100
74) N-amyl acetate	12.07	43	940595	146.751	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	571883	132.130	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	570539m	164.665	ug/l	
77) Bromobenzene	12.53	156	580341	140.429	ug/l	97
78) n-propylbenzene	12.59	91	3049856	147.495	ug/l	99
79) 2-Chlorotoluene	12.67	91	1725621	144.055	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2061152	146.800	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	182686	163.195	ug/l	98
82) 4-Chlorotoluene	12.77	91	1788044	148.762	ug/l	99
83) tert-Butylbenzene	12.99	119	1760698	143.637	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2079120	146.865	ug/l	99
85) sec-Butylbenzene	13.17	105	2506210	149.090	ug/l	100
86) p-Isopropyltoluene	13.29	119	2126502	151.211	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1039367	144.473	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1041410	144.596	ug/l	99
89) n-Butylbenzene	13.61	91	1974994	157.716	ug/l	99
90) Hexachloroethane	13.87	117	388586	157.428	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	979020	139.443	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86308	140.265	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	495689	178.543	ug/l	99
94) Hexachlorobutadiene	15.01	225	222331	147.374	ug/l	99
95) Naphthalene	15.13	128	1148616	167.865	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	438021	166.872	ug/l	100

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

