

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN072618\
 Data File : VN050100.D
 Acq On : 26 Jul 2018 23:31
 Operator : MD\SY
 Sample : VN0726WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 12:16:25 PM

Quant Time: Jul 27 04:14:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	639127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	999413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	883994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	439381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	455952	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
35) Dibromofluoromethane	7.59	113	396554	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	10.09	98	1463797	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.40	95	480474	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	187785	20.45	ug/l	97
3) Chloromethane	2.06	50	182426	18.28	ug/l	99
4) Vinyl Chloride	2.18	62	194766	18.53	ug/l	98
5) Bromomethane	2.56	94	77271	12.48	ug/l	99
6) Chloroethane	2.70	64	118021	18.69	ug/l	99
7) Trichlorofluoromethane	3.01	101	258364	18.97	ug/l	97
8) Diethyl Ether	3.41	74	91241	20.10	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	153711	18.77	ug/l	100
10) Methyl Iodide	3.95	142	100556	9.57	ug/l	99
11) Tert butyl alcohol	4.80	59	64252	97.93	ug/l	97
12) 1,1-Dichloroethene	3.73	96	141133	19.16	ug/l	97
13) Acrolein	3.61	56	28177	53.45	ug/l	100
14) Allyl chloride	4.32	41	219180	19.19	ug/l	99
15) Acrylonitrile	5.00	53	278018	97.12	ug/l	99
16) Acetone	3.82	43	211472	98.04	ug/l	99
17) Carbon Disulfide	4.05	76	403854	17.90	ug/l	100
18) Methyl Acetate	4.33	43	185345	21.77	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	402867	20.52	ug/l	100
20) Methylene Chloride	4.55	84	165270	20.15	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	150967	19.34	ug/l	99
22) Diisopropyl ether	5.96	45	479180	21.16	ug/l	99
23) Vinyl Acetate	5.90	43	1592960	99.53	ug/l	98
24) 1,1-Dichloroethane	5.85	63	288976	19.51	ug/l	99
25) 2-Butanone	6.84	43	333935	98.18	ug/l	99
26) 2,2-Dichloropropane	6.82	77	173323	15.38	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	169974	20.23	ug/l	98
28) Bromochloromethane	7.20	49	131462	19.46	ug/l	100
29) Tetrahydrofuran	7.22	42	215770	98.17	ug/l	99
30) Chloroform	7.37	83	294971	19.52	ug/l	98
31) Cyclohexane	7.65	56	238784	19.40	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	250436	19.37	ug/l	99
36) 1,1-Dichloropropene	7.80	75	211445	18.78	ug/l	99
37) Ethyl Acetate	6.94	43	147476	18.79	ug/l	100
38) Carbon Tetrachloride	7.78	117	219764	18.39	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	212100	18.31	ug/l	98
40) Benzene	8.04	78	656102	19.15	ug/l	100
41) Methacrylonitrile	7.18	41	73590	19.76	ug/l	88
42) 1,2-Dichloroethane	8.13	62	212925	18.63	ug/l	99
43) Isopropyl Acetate	8.17	43	306262	20.02	ug/l #	92
44) Trichloroethene	8.84	130	172728	18.76	ug/l	97
45) 1,2-Dichloropropane	9.12	63	173014	19.06	ug/l	98
46) Dibromomethane	9.21	93	107067	19.00	ug/l	99
47) Bromodichloromethane	9.40	83	222142	18.68	ug/l	99
48) Methyl methacrylate	9.20	41	131605	19.47	ug/l	98
49) 1,4-Dioxane	9.20	88	35233	382.93	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	757851	98.20	ug/l	99
52) Toluene	10.16	92	398449	19.70	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	208435	18.57	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	239741	18.69	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	153226	19.10	ug/l	98
56) Ethyl methacrylate	10.43	69	186207	18.47	ug/l	100
57) 1,3-Dichloropropane	10.71	76	250432	19.17	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	437442	91.75	ug/l	100
59) 2-Hexanone	10.76	43	494412	90.56	ug/l	99
60) Dibromochloromethane	10.90	129	167878	18.90	ug/l	99
61) 1,2-Dibromoethane	11.01	107	149373	18.77	ug/l	98
64) Tetrachloroethene	10.63	164	165787	19.51	ug/l	99
65) Chlorobenzene	11.44	112	429079	19.22	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	163647	19.07	ug/l	99
67) Ethyl Benzene	11.51	91	715097	19.94	ug/l	99
68) m/p-Xylenes	11.63	106	553606	40.80	ug/l	100
69) o-Xylene	11.95	106	267939	20.72	ug/l	98
70) Styrene	11.97	104	419013	18.80	ug/l	99
71) Bromoform	12.13	173	117009	18.75	ug/l #	100
73) Isopropylbenzene	12.25	105	707572	20.76	ug/l	100
74) N-amyl acetate	12.07	43	201261	19.32	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	196935	20.60	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	167806m	20.55	ug/l	
77) Bromobenzene	12.53	156	182751	19.35	ug/l	100
78) n-propylbenzene	12.59	91	796855	20.92	ug/l	99
79) 2-Chlorotoluene	12.68	91	491478	20.82	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	573790	21.41	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45324	17.61	ug/l	95
82) 4-Chlorotoluene	12.78	91	482684	20.65	ug/l	99
83) tert-Butylbenzene	13.00	119	492603	21.06	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	590668	21.86	ug/l	98
85) sec-Butylbenzene	13.17	105	660093	21.12	ug/l	99
86) p-Isopropyltoluene	13.29	119	560874	21.30	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	309771	19.35	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	301396	19.31	ug/l	99
89) n-Butylbenzene	13.62	91	426965	19.72	ug/l	100
90) Hexachloroethane	13.88	117	104629	17.89	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	317493	19.84	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30497	19.59	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	136732	18.20	ug/l	97
94) Hexachlorobutadiene	15.01	225	92135	18.80	ug/l	100
95) Naphthalene	15.14	128	307621	18.39	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	146676	19.17	ug/l	98

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

