

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051481.D
 Acq On : 25 Sep 2018 13:13
 Operator : MD\SY
 Sample : J4870-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

Quant Time: Sep 26 11:07:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:56:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	104858	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	570456	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	513177	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	221000	30.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.70%
60) 4-Bromofluorobenzene	12.40	95	231818	29.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.73%
63) Toluene-d8	10.09	98	748764	30.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.50%

Target Compounds

					Ovalue
3) Chloromethane	2.06	50	9692	1.093	ug/l 98
4) Vinyl Chloride	2.18	62	525145	55.065	ug/l 100
5) Bromomethane	2.57	94	437031	70.491	ug/l 86
6) Chloroethane	2.71	64	211354	35.759	ug/l 97
11) Methyl Iodide	3.95	142	1921	0.223	ug/l # 61
12) Methyl Acetate	4.34	43	1263	0.251	ug/l # 62
14) Acrylonitrile	5.03	53	8468	4.113	ug/l # 42
15) Acetone	3.82	58	59566	118.655	ug/l 85
16) Carbon Disulfide	4.05	76	4160	0.229	ug/l # 94
18) Methylene Chloride	4.55	84	186086	26.999	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	139417	22.236	ug/l 95
21) 1,1-Dichloroethane	5.85	63	614462	50.137	ug/l 95
23) tert-Butyl Alcohol	5.05	59	11661	30.284	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1476412	94.010	ug/l # 63
25) Chloroform	7.37	83	591152	48.208	ug/l 94
29) 1,1-Dichloropropene	8.04	75	37209	3.930	ug/l # 1
30) 2-Butanone	6.84	43	393101	163.288	ug/l # 97
32) 1,1,1-Trichloroethane	7.57	97	166280	15.377	ug/l 97
33) Carbon Tetrachloride	7.57	117	22513	2.281	ug/l 95
34) Benzene	8.04	78	2068163	73.366	ug/l # 62
37) Trichloroethene	8.84	130	476266	64.027	ug/l 97
39) 1,2-Dichloropropane	9.12	63	602744	78.604	ug/l 97
40) Dibromomethane	9.21	93	463919	106.313	ug/l 98
43) Ethyl Acetate	6.84	43	393101	77.564	ug/l # 66
45) 1,4-Dioxane	9.21	88	2243	37.780	ug/l # 24
49) cis-1,3-Dichloropropene	9.84	75	1057322	96.096	ug/l 96
53) Dibromochloromethane	10.90	129	427238	59.704	ug/l 98
54) 1,2-Dibromoethane	11.01	107	503102	84.208	ug/l 98
56) Bromoform	12.13	173	389920	81.312	ug/l 94
58) 4-Methyl-2-Pentanone	9.99	43	683701	128.881	ug/l 96
59) 2-Hexanone	10.75	43	382349	110.700	ug/l 98
61) Tetrachloroethene	10.63	164	357785	50.855	ug/l 94
62) Toluene	10.16	91	1464435	47.274	ug/l 99
64) Chlorobenzene	11.43	112	723408	38.160	ug/l 96
65) 1,1,1,2-Tetrachloroethane	11.51	131	893180	121.685	ug/l 99
66) Ethyl Benzene	11.51	91	471917	14.825	ug/l 99
67) m/p-Xylenes	11.62	106	445596	36.004	ug/l 97

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

68) o-Xylene	11.95	106	875222	74.413	ug/l	95
69) Styrene	11.96	104	2068388	111.042	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.50	83	898920	122.953	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	747842	118.110	ug/l	1
76) 1,3,5-Trimethylbenzene	12.73	105	1276736	48.958	ug/l	100
78) 4-Chlorotoluene	12.73	91	134258	6.261	ug/l	43
79) tert-butylbenzene	13.04	119	272990	12.086	ug/l	75
80) 1,2,4-Trimethylbenzene	13.04	105	2108517	80.163	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1462338	105.923	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	1071168	82.482	ug/l	98
86) Hexachloroethane	13.87	117	7353	1.377	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	721992	54.635	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	76925	71.764	ug/l #	89
89) 1,2,4-Trichlorobenzene	14.91	180	813347	127.281	ug/l	98
90) Hexachlorobutadiene	15.01	225	891222	177.388	ug/l	97
91) Naphthalene	15.13	128	1771254	110.655	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	5129	0.796	ug/l	82

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

