

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050669.D
 Acq On : 15 Aug 2018 21:50
 Operator : MD\SY
 Sample : VN0815WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0815WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:18:48 PM

Quant Time: Aug 16 04:37:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	118798	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	628708	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	546562	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	239650	29.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.93%
60) 4-Bromofluorobenzene	12.40	95	250079	29.78	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.27%
63) Toluene-d8	10.09	98	798542	30.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.97%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	128048	15.64	ug/l	97
3) Chloromethane	2.06	50	165292	19.58	ug/l	98
4) Vinyl Chloride	2.18	62	171768	19.11	ug/l	97
5) Bromomethane	2.56	94	98721	18.02	ug/l	98
6) Chloroethane	2.70	64	103563	19.49	ug/l	98
7) Trichlorofluoromethane	3.01	101	230887	19.66	ug/l	99
8) Diethyl Ether	3.41	74	77193	19.60	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	140357	19.65	ug/l	100
10) 1,1-Dichloroethene	3.73	96	125009	19.74	ug/l	98
11) Methyl Iodide	3.95	142	78189	8.39	ug/l	97
12) Methyl Acetate	4.33	43	123291	16.99	ug/l	98
13) Acrolein	3.61	56	12589m	28.08	ug/l	
14) Acrylonitrile	4.99	53	240582	99.37	ug/l	99
15) Acetone	3.82	58	73102	113.61	ug/l	94
16) Carbon Disulfide	4.05	76	384095	19.82	ug/l	99
17) Allyl chloride	4.33	41	188166	18.81	ug/l	97
18) Methylene Chloride	4.55	84	150271	20.56	ug/l	97
19) trans-1,2-Dichloroethene	5.05	96	138482	20.42	ug/l	95
20) Diisopropyl ether	5.96	45	432894	21.11	ug/l	97
21) 1,1-Dichloroethane	5.85	63	267216	20.72	ug/l	97
22) cis-1,2-Dichloroethene	6.83	96	152316	20.25	ug/l	97
23) tert-Butyl Alcohol	4.80	59	48086	88.89	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	342538	19.83	ug/l	98
25) Chloroform	7.37	83	268997	20.60	ug/l	98
26) Cyclohexane	7.65	56	206948	20.19	ug/l	# 99
29) 1,1-Dichloropropene	7.80	75	193401	19.82	ug/l	100
30) 2-Butanone	6.84	43	337936	110.37	ug/l	99
31) 2,2-Dichloropropane	6.83	77	162862	15.10	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	226208	19.70	ug/l	99
33) Carbon Tetrachloride	7.78	117	202424	19.77	ug/l	99
34) Benzene	8.05	78	601123	20.29	ug/l	97
35) Methacrylonitrile	7.18	41	66436	19.06	ug/l	96
36) 1,2-Dichloroethane	8.13	62	188703	19.40	ug/l	99
37) Trichloroethene	8.84	130	152865	19.67	ug/l	95
38) Methylcyclohexane	9.08	83	190767	18.55	ug/l	98
39) 1,2-Dichloropropane	9.12	63	159150	20.39	ug/l	99
40) Dibromomethane	9.21	93	95692	19.83	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	196902	19.35	ug/l	100
42) Vinyl Acetate	5.90	43	1420032	98.56	ug/l	100
43) Ethyl Acetate	6.94	43	125435	19.62	ug/l	94
44) Isopropyl Acetate	8.17	43	222069	18.75	ug/l	97
45) 1,4-Dioxane	9.20	88	28634	367.41	ug/l	94
46) Methyl methacrylate	9.20	41	103705	18.06	ug/l	95
47) n-amyl Acetate	12.07	43	166952	18.12	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	180633	18.62	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	215414	18.90	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	135859	19.62	ug/l	98
51) Ethyl methacrylate	10.43	69	159066	18.92	ug/l	96
52) 1,3-Dichloropropane	10.71	76	225490	19.83	ug/l	98
53) Dibromochloromethane	10.90	129	150810	19.19	ug/l	100
54) 1,2-Dibromoethane	11.01	107	128900	19.01	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	389401	102.36	ug/l	99
56) Bromoform	12.13	173	101864	18.36	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	781155	122.83	ug/l	99
59) 2-Hexanone	10.75	43	499814	115.20	ug/l	100
61) Tetrachloroethene	10.63	164	144273	19.49	ug/l	99
62) Toluene	10.16	91	634198	20.34	ug/l	99
64) Chlorobenzene	11.44	112	379780	20.08	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	148872	20.18	ug/l	100
66) Ethyl Benzene	11.51	91	617309	19.37	ug/l	100
67) m/p-Xylenes	11.62	106	492666	40.17	ug/l	100
68) o-Xylene	11.95	106	230728	19.77	ug/l	99
69) Styrene	11.97	104	380741	20.35	ug/l	99
70) Isopropylbenzene	12.25	105	615851	19.82	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	172135	20.17	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	140832m	19.33	ug/l	
73) Bromobenzene	12.53	156	162303	19.61	ug/l	99
74) n-propylbenzene	12.59	91	690628	19.08	ug/l	100
75) 2-Chlorotoluene	12.68	91	434445	19.98	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	508413	19.92	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	35646	14.96	ug/l	91
78) 4-Chlorotoluene	12.77	91	424063	19.69	ug/l	99
79) tert-butylbenzene	12.99	119	431190	19.76	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	514819	19.91	ug/l	100
81) sec-Butylbenzene	13.17	105	568424	19.17	ug/l	99
82) p-Isopropyltoluene	13.29	119	482897	19.09	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	276440	19.18	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	258786	19.00	ug/l	99
85) n-Butylbenzene	13.62	91	356209	17.35	ug/l	99
86) Hexachloroethane	13.88	117	91943	18.19	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	273845	19.44	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23630	17.78	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	111125	16.51	ug/l	99
90) Hexachlorobutadiene	15.01	225	79531	17.92	ug/l	98
91) Naphthalene	15.14	128	221005	18.12	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	115479	16.87	ug/l	97

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

