

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050036.D
 Acq On : 25 Jul 2018 8:29
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 3:53:36 PM

Quant Time: Jul 26 15:12:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:10:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	123326	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	620588	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	535471	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	260399	30.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.90%
60) 4-Bromofluorobenzene	12.40	95	224667	27.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.13%
63) Toluene-d8	10.09	98	791363	30.14	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.47%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	34746	3.62	ug/l	98
3) Chloromethane	2.06	50	43412	4.73	ug/l	100
4) Vinyl Chloride	2.18	62	46661	4.74	ug/l	99
5) Bromomethane	2.56	94	31506	5.33	ug/l	94
6) Chloroethane	2.70	64	30010	5.19	ug/l	97
7) Trichlorofluoromethane	3.01	101	63881	4.88	ug/l	98
8) Diethyl Ether	3.41	74	20383	5.06	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	40107	5.02	ug/l	98
10) 1,1-Dichloroethene	3.73	96	32412	4.72	ug/l	92
11) Methyl Iodide	3.95	142	40188	4.10	ug/l	95
12) Methyl Acetate	4.33	43	34892	4.44	ug/l	96
13) Acrolein	3.61	56	15654	37.72	ug/l	99
14) Acrylonitrile	4.99	53	55669	22.29	ug/l	99
15) Acetone	3.82	58	16705	23.72	ug/l	96
16) Carbon Disulfide	4.05	76	104457	5.02	ug/l	100
17) Allyl chloride	4.32	41	47802	4.61	ug/l	98
18) Methylene Chloride	4.55	84	40689	5.17	ug/l	94
19) trans-1,2-Dichloroethene	5.04	96	34357	4.69	ug/l	97
20) Diisopropyl ether	5.96	45	91883	4.14	ug/l	91
21) 1,1-Dichloroethane	5.85	63	70620	5.11	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	37093	4.67	ug/l	97
23) tert-Butyl Alcohol	4.81	59	12100m	21.94	ug/l	
24) Methyl tert-Butyl Ether	5.05	73	76750	4.23	ug/l	97
25) Chloroform	7.37	83	71659	5.06	ug/l	99
26) Cyclohexane	7.65	56	44584	4.09	ug/l #	99
29) 1,1-Dichloropropene	7.79	75	44739	4.43	ug/l	99
30) 2-Butanone	6.84	43	71594	24.01	ug/l #	96
31) 2,2-Dichloropropane	6.83	77	57060	5.18	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	61300	5.25	ug/l	100
33) Carbon Tetrachloride	7.78	117	54511	5.29	ug/l	93
34) Benzene	8.05	78	148914	4.93	ug/l #	79
35) Methacrylonitrile	7.17	41	17188	5.28	ug/l	94
36) 1,2-Dichloroethane	8.13	62	52849	5.34	ug/l	97
37) Trichloroethene	8.83	130	40672	5.18	ug/l	95
38) Methylcyclohexane	9.08	83	45828	4.53	ug/l	96
39) 1,2-Dichloropropane	9.12	63	40083	5.05	ug/l	99
40) Dibromomethane	9.21	93	25121	5.21	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	53036	5.19	ug/l	97
42) Vinyl Acetate	5.90	43	299354	21.21	ug/l	99
43) Ethyl Acetate	6.94	43	27986	4.35	ug/l #	71
44) Isopropyl Acetate	8.17	43	55728	4.73	ug/l #	91
45) 1,4-Dioxane	9.20	88	6416	83.36	ug/l	92
46) Methyl methacrylate	9.20	41	23683	4.23	ug/l	97
47) n-amyl Acetate	12.07	43	32056	3.82	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	45799	4.75	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	51003	4.52	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	36296	5.24	ug/l	98
51) Ethyl methacrylate	10.43	69	33544	4.34	ug/l	98
52) 1,3-Dichloropropane	10.71	76	56143	4.93	ug/l	100
53) Dibromochloromethane	10.90	129	39410	5.09	ug/l	98
54) 1,2-Dibromoethane	11.01	107	32570	4.88	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	67981	18.60	ug/l	97
56) Bromoform	12.13	173	26078	4.91	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	138885	21.84	ug/l	97
59) 2-Hexanone	10.75	43	90988	21.46	ug/l	93
61) Tetrachloroethene	10.63	164	41233	5.31	ug/l	98
62) Toluene	10.16	91	159642	5.02	ug/l	99
64) Chlorobenzene	11.44	112	93680	4.96	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	38381	5.14	ug/l	100
66) Ethyl Benzene	11.51	91	137035	4.35	ug/l	99
67) m/p-Xylenes	11.62	106	104172	8.33	ug/l	98
68) o-Xylene	11.95	106	49970	4.35	ug/l	99
69) Styrene	11.97	104	71737	3.81	ug/l	97
70) Isopropylbenzene	12.25	105	129975	4.17	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	43268	5.17	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	36030m	3.57	ug/l	
73) Bromobenzene	12.53	156	39052	4.78	ug/l	97
74) n-propylbenzene	12.59	91	151485	4.13	ug/l	100
75) 2-Chlorotoluene	12.68	91	97675	4.45	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	103999	3.96	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	9459	4.35	ug/l	91
78) 4-Chlorotoluene	12.78	91	90787	4.18	ug/l	98
79) tert-butylbenzene	12.99	119	91493	4.20	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	101597	3.82	ug/l	100
81) sec-Butylbenzene	13.17	105	124168	4.12	ug/l	99
82) p-Isopropyltoluene	13.29	119	94787	3.70	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	64260	4.48	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	55854	4.12	ug/l	100
85) n-Butylbenzene	13.62	91	70960	3.56	ug/l	98
86) Hexachloroethane	13.88	117	25188	4.99	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	61965	4.32	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	5951	4.60	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	17647	2.83	ug/l	97
90) Hexachlorobutadiene	15.01	225	21740	4.66	ug/l	96
91) Naphthalene	15.14	128	33008	2.69	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	20978	3.20	ug/l	99

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

