

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053211.D
 Acq On : 28 Dec 2018 8:28
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:47:56 AM

Quant Time: Dec 28 09:37:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 09:33:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	168900	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	982806	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	865306	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	323832	28.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.80%
60) 4-Bromofluorobenzene	12.40	95	389877	29.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.23%
63) Toluene-d8	10.09	98	1187715	29.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	54003	5.614 ug/l	97
3) Chloromethane	2.06	50	68671	5.383 ug/l	98
4) Vinyl Chloride	2.19	62	67204	5.219 ug/l	96
5) Bromomethane	2.57	94	45478	6.195 ug/l	95
6) Chloroethane	2.71	64	39976	5.221 ug/l	95
7) Trichlorofluoromethane	3.03	101	84799	5.336 ug/l	100
8) Diethyl Ether	3.41	74	30856	5.259 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	53713	5.332 ug/l	95
10) 1,1-Dichloroethene	3.74	96	52047	5.495 ug/l	93
11) Methyl Iodide	3.96	142	66586	5.063 ug/l	99
12) Methyl Acetate	4.33	43	42400	5.269 ug/l	96
13) Acrolein	3.61	56	22431	23.728 ug/l #	53
14) Acrylonitrile	4.99	53	85394	24.904 ug/l	97
15) Acetone	3.81	58	18176	20.468 ug/l	85
16) Carbon Disulfide	4.06	76	155843	5.197 ug/l	98
17) Allyl chloride	4.33	41	77369	4.684 ug/l	97
18) Methylene Chloride	4.55	84	63161	5.759 ug/l	94
19) trans-1,2-Dichloroethene	5.05	96	55283	5.424 ug/l	91
20) Diisopropyl ether	5.95	45	169383	4.880 ug/l	98
21) 1,1-Dichloroethane	5.85	63	101208	5.116 ug/l	97
22) cis-1,2-Dichloroethene	6.83	96	60220	5.155 ug/l	98
23) tert-Butyl Alcohol	4.78	59	14268	27.972 ug/l #	100
24) Methyl tert-Butyl Ether	5.04	73	129426	5.209 ug/l #	78
25) Chloroform	7.37	83	97390	5.102 ug/l	96
26) Cyclohexane	7.65	56	92220	4.942 ug/l #	97
29) 1,1-Dichloropropene	7.79	75	77454	5.161 ug/l	98
30) 2-Butanone	6.83	43	88658	22.076 ug/l	99
31) 2,2-Dichloropropane	6.82	77	73484	5.318 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	79868	5.114 ug/l	96
33) Carbon Tetrachloride	7.78	117	67907	4.970 ug/l	96
34) Benzene	8.04	78	235672	5.223 ug/l #	80
35) Methacrylonitrile	7.17	41	24285	4.874 ug/l	92
36) 1,2-Dichloroethane	8.12	62	68670	5.022 ug/l	97
37) Trichloroethene	8.83	130	63458	5.546 ug/l	93
38) Methylcyclohexane	9.08	83	90135	4.851 ug/l	96
39) 1,2-Dichloropropane	9.12	63	60568	5.007 ug/l	98
40) Dibromomethane	9.21	93	34941	5.346 ug/l	96

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
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 ClientSampleID :
 VSTDIC005

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	74176	5.136	ug/l	92
42) Vinyl Acetate	5.90	43	487720	22.445	ug/l	97
43) Ethyl Acetate	6.93	43	38770	4.540	ug/l #	62
44) Isopropyl Acetate	8.16	43	77448	5.171	ug/l	99
45) 1,4-Dioxane	9.20	88	9425	115.033	ug/l	95
46) Methyl methacrylate	9.20	41	37377	4.807	ug/l	97
47) n-amyl Acetate	12.07	43	63906	5.146	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	69065	4.932	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	85722	5.025	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	49670	5.361	ug/l	98
51) Ethyl methacrylate	10.43	69	58464	5.024	ug/l	95
52) 1,3-Dichloropropane	10.71	76	84625	5.131	ug/l	99
53) Dibromochloromethane	10.90	129	53280	5.223	ug/l	97
54) 1,2-Dibromoethane	11.01	107	48208	5.325	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	170177	24.983	ug/l	99
56) Bromoform	12.13	173	35029	5.254	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	200320	23.879	ug/l	96
59) 2-Hexanone	10.75	43	138547	24.177	ug/l	97
61) Tetrachloroethene	10.63	164	68976	6.472	ug/l	98
62) Toluene	10.16	91	254445	5.334	ug/l	99
64) Chlorobenzene	11.43	112	157308	5.403	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	53939	5.337	ug/l	99
66) Ethyl Benzene	11.51	91	264873	5.152	ug/l	98
67) m/p-Xylenes	11.62	106	203290	10.614	ug/l	96
68) o-Xylene	11.95	106	97010	5.218	ug/l	100
69) Styrene	11.96	104	152394	5.079	ug/l	99
70) Isopropylbenzene	12.25	105	256516	5.186	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	54216	5.039	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	44364m	4.803	ug/l	
73) Bromobenzene	12.53	156	64733	5.411	ug/l	96
74) n-propylbenzene	12.59	91	285096	4.947	ug/l	98
75) 2-Chlorotoluene	12.67	91	171466	5.126	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	201650	5.047	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	14458	4.955	ug/l	98
78) 4-Chlorotoluene	12.77	91	173813	5.203	ug/l	98
79) tert-butylbenzene	12.99	119	179502	5.159	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	200967	5.027	ug/l	98
81) sec-Butylbenzene	13.17	105	237998	4.911	ug/l	99
82) p-Isopropyltoluene	13.29	119	198326	4.806	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	113256	5.383	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	107846	5.305	ug/l	97
85) n-Butylbenzene	13.62	91	156300	4.409	ug/l	99
86) Hexachloroethane	13.88	117	29844	4.268	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	106638	5.326	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	7615	5.052	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	43411	4.401	ug/l	98
90) Hexachlorobutadiene	15.01	225	33858	5.232	ug/l	98
91) Naphthalene	15.13	128	82131	4.123	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	37587	4.135	ug/l	97

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

