

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090618\
 Data File : VN051028.D
 Acq On : 6 Sep 2018 12:01
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 11:23:20 AM

Quant Time: Sep 07 01:29:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	134068	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	702633	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	627346	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	248935	29.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.00%
60) 4-Bromofluorobenzene	12.40	95	279973	30.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.03%
63) Toluene-d8	10.09	98	888243	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	151240	18.17	ug/l	100
3) Chloromethane	2.06	50	174555	17.75	ug/l	99
4) Vinyl Chloride	2.18	62	172497	17.76	ug/l	100
5) Bromomethane	2.55	94	113819	19.22	ug/l	98
6) Chloroethane	2.69	64	102368	17.87	ug/l	98
7) Trichlorofluoromethane	3.01	101	242876	18.86	ug/l	99
8) Diethyl Ether	3.41	74	87270	19.22	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	155770	19.53	ug/l	99
10) 1,1-Dichloroethene	3.73	96	131356	18.13	ug/l	98
11) Methyl Iodide	3.95	142	102695	15.19	ug/l	98
12) Methyl Acetate	4.33	43	204652	24.43	ug/l	97
13) Acrolein	3.61	56	47429	255.70	ug/l	97
14) Acrylonitrile	4.99	53	288134	101.73	ug/l	97
15) Acetone	3.82	58	82336	113.61	ug/l	90
16) Carbon Disulfide	4.05	76	367610	16.88	ug/l	100
17) Allyl chloride	4.32	41	208369	18.28	ug/l	100
18) Methylene Chloride	4.55	84	160255	18.85	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	140960	18.26	ug/l	96
20) Diisopropyl ether	5.95	45	453276	19.16	ug/l	98
21) 1,1-Dichloroethane	5.85	63	271305	18.70	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	159039	18.24	ug/l	96
23) tert-Butyl Alcohol	4.80	59	63675	105.71	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	381652	19.26	ug/l	98
25) Chloroform	7.37	83	275920	19.06	ug/l	99
26) Cyclohexane	7.65	56	215171	17.90	ug/l #	99
29) 1,1-Dichloropropene	7.79	75	201197	19.13	ug/l	99
30) 2-Butanone	6.84	43	343013	106.00	ug/l	99
31) 2,2-Dichloropropane	6.82	77	222075	21.70	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	232293	19.47	ug/l	100
33) Carbon Tetrachloride	7.77	117	207891	19.35	ug/l	94
34) Benzene	8.04	78	624132	19.18	ug/l	99
35) Methacrylonitrile	7.17	41	58599	16.53	ug/l	94
36) 1,2-Dichloroethane	8.12	62	196844	20.00	ug/l	100
37) Trichloroethene	8.83	130	165677	19.48	ug/l	93
38) Methylcyclohexane	9.08	83	210124	18.60	ug/l	98
39) 1,2-Dichloropropane	9.12	63	166755	19.62	ug/l	99
40) Dibromomethane	9.21	93	100245	19.58	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	208426	19.31	ug/l	96
42) Vinyl Acetate	5.90	43	1375434	92.28	ug/l	99
43) Ethyl Acetate	6.93	43	132769	20.03	ug/l	100
44) Isopropyl Acetate	8.17	43	235686	20.15	ug/l	97
45) 1,4-Dioxane	9.20	88	35500	408.54	ug/l	98
46) Methyl methacrylate	9.20	41	114366	19.52	ug/l	97
47) n-amyl Acetate	12.07	43	183324	19.49	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	204307	19.31	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	237109	19.51	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	147687	19.85	ug/l	98
51) Ethyl methacrylate	10.43	69	174501	19.17	ug/l	99
52) 1,3-Dichloropropane	10.71	76	241851	19.63	ug/l	97
53) Dibromochloromethane	10.90	129	165402	19.55	ug/l	99
54) 1,2-Dibromoethane	11.01	107	144896	19.70	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	341097	90.07	ug/l	99
56) Bromoform	12.13	173	122180	20.31	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	722888	100.71	ug/l	98
59) 2-Hexanone	10.75	43	499597	106.48	ug/l	99
61) Tetrachloroethene	10.63	164	150782	19.29	ug/l	98
62) Toluene	10.16	91	671404	19.18	ug/l	100
64) Chlorobenzene	11.43	112	422404	19.47	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	159632	19.49	ug/l	98
66) Ethyl Benzene	11.51	91	681651	18.80	ug/l	98
67) m/p-Xylenes	11.62	106	545016	39.07	ug/l	99
68) o-Xylene	11.95	106	257640	19.33	ug/l	100
69) Styrene	11.96	104	411605	19.42	ug/l	99
70) Isopropylbenzene	12.25	105	700676	19.78	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	198992	20.75	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	171277m	20.70	ug/l	
73) Bromobenzene	12.53	156	180988	19.42	ug/l	99
74) n-propylbenzene	12.59	91	781685	19.52	ug/l	99
75) 2-Chlorotoluene	12.67	91	475704	19.56	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	573935	19.83	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	47451	20.13	ug/l	96
78) 4-Chlorotoluene	12.77	91	466555	19.48	ug/l	99
79) tert-butylbenzene	12.99	119	489933	19.49	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	581553	20.15	ug/l	100
81) sec-Butylbenzene	13.17	105	655644	19.94	ug/l	100
82) p-Isopropyltoluene	13.29	119	561451	19.78	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	306463	19.45	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	289066	19.37	ug/l	99
85) n-Butylbenzene	13.62	91	417669	19.28	ug/l	100
86) Hexachloroethane	13.88	117	108987	20.00	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	304106	19.61	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27735	20.67	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	118632	17.18	ug/l	100
90) Hexachlorobutadiene	15.01	225	102717	21.90	ug/l	100
91) Naphthalene	15.14	128	232343	19.34	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	128907	18.61	ug/l	98

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

