

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056897.D
 Acq On : 24 Jul 2019 00:42
 Operator : JC/SP
 Sample : VN0724WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0724WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 2:20:25 PM

Quant Time: Jul 24 04:11:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 03:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	57093	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	303235	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	259232	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	110995	29.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.03%
60) 4-Bromofluorobenzene	12.40	95	115840	29.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.37%
63) Toluene-d8	10.09	98	377048	30.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	66239	19.405 ug/l	95
3) Chloromethane	2.06	50	84250	20.226 ug/l	99
4) Vinyl Chloride	2.19	62	79561	19.811 ug/l	100
5) Bromomethane	2.56	94	49565	20.101 ug/l	96
6) Chloroethane	2.71	64	44475	19.965 ug/l	98
7) Trichlorofluoromethane	3.02	101	98057	20.050 ug/l	99
8) Diethyl Ether	3.41	74	35679	19.579 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	58718	19.118 ug/l	98
10) 1,1-Dichloroethene	3.73	96	61186	20.074 ug/l	96
11) Methyl Iodide	3.95	142	81305	18.031 ug/l	100
12) Methyl Acetate	4.33	43	66855	17.923 ug/l #	90
13) Acrolein	3.60	56	39093	92.601 ug/l	97
14) Acrylonitrile	4.99	53	137568	95.627 ug/l	98
15) Acetone	3.82	58	35711	96.017 ug/l	93
16) Carbon Disulfide	4.05	76	155790	18.955 ug/l	98
17) Allyl chloride	4.32	41	94832	18.593 ug/l	98
18) Methylene Chloride	4.55	84	70905	19.987 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	62897	19.498 ug/l	95
20) Diisopropyl ether	5.96	45	208300	20.114 ug/l	97
21) 1,1-Dichloroethane	5.85	63	120247	19.980 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	72011	19.262 ug/l	99
23) tert-Butyl Alcohol	4.81	59	47567	99.081 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	177107	19.219 ug/l	99
25) Chloroform	7.37	83	116485	19.841 ug/l	98
26) Cyclohexane	7.65	56	107617	19.466 ug/l #	99
29) 1,1-Dichloropropene	7.79	75	86512	20.104 ug/l	98
30) 2-Butanone	6.84	43	165783	95.892 ug/l	99
31) 2,2-Dichloropropane	6.82	77	69182	17.324 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	95149	20.124 ug/l	100
33) Carbon Tetrachloride	7.77	117	82059	19.884 ug/l	99
34) Benzene	8.04	78	274638	20.255 ug/l	99
35) Methacrylonitrile	7.18	41	35695	20.674 ug/l	97
36) 1,2-Dichloroethane	8.13	62	86655	20.558 ug/l	99
37) Trichloroethene	8.83	130	72349	19.903 ug/l	93
38) Methylcyclohexane	9.08	83	103968	18.993 ug/l	99
39) 1,2-Dichloropropane	9.12	63	74549	20.598 ug/l	99
40) Dibromomethane	9.21	93	44649	20.110 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	83814	19.645	ug/l	99
42) Vinyl Acetate	5.90	43	748923	97.273	ug/l	100
43) Ethyl Acetate	6.93	43	68669	19.375	ug/l #	90
44) Isopropyl Acetate	8.17	43	113249	19.170	ug/l #	88
45) 1,4-Dioxane	9.20	88	22017	391.470	ug/l	95
46) Methyl methacrylate	9.20	41	56443	19.151	ug/l	96
47) n-amyl Acetate	12.07	43	85370	18.052	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	80132	18.049	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	98140	18.970	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	64779	20.321	ug/l	98
51) Ethyl methacrylate	10.43	69	89207	19.348	ug/l	97
52) 1,3-Dichloropropane	10.71	76	108347	20.139	ug/l	99
53) Dibromochloromethane	10.90	129	63258	19.091	ug/l	100
54) 1,2-Dibromoethane	11.00	107	64364	19.792	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	180145	90.213	ug/l	99
56) Bromoform	12.13	173	42644	18.601	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	349556	100.482	ug/l	99
59) 2-Hexanone	10.75	43	235748	99.450	ug/l	99
61) Tetrachloroethene	10.63	164	77274	21.269	ug/l	99
62) Toluene	10.15	91	288983	20.497	ug/l	100
64) Chlorobenzene	11.43	112	172765	20.343	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	65148	20.253	ug/l	99
66) Ethyl Benzene	11.51	91	296525	19.959	ug/l	99
67) m/p-Xylenes	11.62	106	222586	40.177	ug/l	99
68) o-Xylene	11.95	106	107411	19.719	ug/l	96
69) Styrene	11.96	104	175461	19.878	ug/l	100
70) Isopropylbenzene	12.25	105	294999	20.568	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	83078	20.681	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	70413m	19.922	ug/l	
73) Bromobenzene	12.53	156	73368	19.824	ug/l	98
74) n-propylbenzene	12.59	91	310317	19.788	ug/l	100
75) 2-Chlorotoluene	12.67	91	194520	20.459	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	246331	20.402	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	17416	15.694	ug/l	99
78) 4-Chlorotoluene	12.77	91	179532	19.865	ug/l	100
79) tert-butylbenzene	12.99	119	209783	20.134	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	239203	20.322	ug/l	99
81) sec-Butylbenzene	13.17	105	268350	19.728	ug/l	99
82) p-Isopropyltoluene	13.29	119	240093	19.653	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	111255	19.093	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	102564	18.616	ug/l	99
85) n-Butylbenzene	13.61	91	175471	18.292	ug/l	99
86) Hexachloroethane	13.87	117	39408	19.275	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	117217	20.252	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12063	19.411	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	43476	18.923	ug/l	100
90) Hexachlorobutadiene	15.01	225	41651	19.578	ug/l	98
91) Naphthalene	15.13	128	109343	18.364	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	51040	16.681	ug/l	98

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

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