

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082719\
 Data File : VN057545.D
 Acq On : 27 Aug 2019 10:44
 Operator : JC/SP
 Sample : VN0827WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0827WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 4:26:39 PM

Quant Time: Aug 27 11:13:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	63626	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	366811	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	322095	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	187918	30.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.13%
60) 4-Bromofluorobenzene	12.40	95	149421	28.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.77%
63) Toluene-d8	10.09	98	494626	30.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	68657	20.627 ug/l	96
3) Chloromethane	2.05	50	105614	21.130 ug/l	97
4) Vinyl Chloride	2.17	62	136081	21.430 ug/l	100
5) Bromomethane	2.55	94	81325	19.797 ug/l	95
6) Chloroethane	2.69	64	87896	20.665 ug/l	98
7) Trichlorofluoromethane	3.00	101	207567	20.551 ug/l	94
8) Diethyl Ether	3.39	74	77816	20.056 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	77008	13.538 ug/l	99
10) 1,1-Dichloroethene	3.70	96	90396	16.460 ug/l	96
11) Methyl Iodide	3.92	142	84590	17.135 ug/l	98
12) Methyl Acetate	4.30	43	112139	20.270 ug/l	94
13) Acrolein	3.58	56	63426	90.146 ug/l	98
14) Acrylonitrile	4.97	53	197238	102.625 ug/l	97
15) Acetone	3.79	58	56873	63.257 ug/l	97
16) Carbon Disulfide	4.02	76	187085	19.125 ug/l	99
17) Allyl chloride	4.29	41	151580	20.232 ug/l	98
18) Methylene Chloride	4.53	84	86887	21.573 ug/l	98
19) trans-1,2-Dichloroethene	5.01	96	78825	20.783 ug/l	97
20) Diisopropyl ether	5.93	45	325481	20.349 ug/l	98
21) 1,1-Dichloroethane	5.82	63	177302	21.332 ug/l	97
22) cis-1,2-Dichloroethene	6.81	96	97871	21.216 ug/l	96
23) tert-Butyl Alcohol	4.79	59	66455	95.188 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	271564	21.403 ug/l	100
25) Chloroform	7.36	83	171558	20.790 ug/l	97
26) Cyclohexane	7.63	56	149694	20.226 ug/l	# 99
29) 1,1-Dichloropropene	7.78	75	123518	19.813 ug/l	99
30) 2-Butanone	6.82	43	286947	95.737 ug/l	97
31) 2,2-Dichloropropane	6.80	77	142387	19.991 ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	143305	20.108 ug/l	97
33) Carbon Tetrachloride	7.76	117	111858	18.902 ug/l	95
34) Benzene	8.03	78	382269	20.852 ug/l	99
35) Methacrylonitrile	7.15	41	65448	21.576 ug/l	94
36) 1,2-Dichloroethane	8.11	62	148984	20.731 ug/l	# 88
37) Trichloroethene	8.82	130	82994	19.843 ug/l	93
38) Methylcyclohexane	9.07	83	146264	20.903 ug/l	97
39) 1,2-Dichloropropane	9.11	63	106627	20.456 ug/l	94
40) Dibromomethane	9.20	93	65730	20.633 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	132505	19.611	ug/l	99
42) Vinyl Acetate	5.87	43	1289840	96.164	ug/l	99
43) Ethyl Acetate	6.91	43	121137	20.763	ug/l	98
44) Isopropyl Acetate	8.16	43	213335	19.156	ug/l	# 93
45) 1,4-Dioxane	9.19	88	26210	391.533	ug/l	98
46) Methyl methacrylate	9.19	41	99485	18.810	ug/l	99
47) n-amyl Acetate	12.07	43	163508	18.242	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	128829	18.049	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	151719	19.340	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	83214	19.921	ug/l	97
51) Ethyl methacrylate	10.43	69	132182	19.035	ug/l	97
52) 1,3-Dichloropropane	10.70	76	153690	20.180	ug/l	100
53) Dibromochloromethane	10.90	129	83028	18.644	ug/l	100
54) 1,2-Dibromoethane	11.00	107	82681	19.344	ug/l	94
55) 2-Chloroethyl vinyl ether	9.69	63	183094	106.965	ug/l	98
56) Bromoform	12.13	173	46317	17.427	ug/l	# 96
58) 4-Methyl-2-Pentanone	9.98	43	606079	95.918	ug/l	99
59) 2-Hexanone	10.75	43	418949	95.656	ug/l	99
61) Tetrachloroethene	10.63	164	76432	20.692	ug/l	94
62) Toluene	10.15	91	399047	20.271	ug/l	99
64) Chlorobenzene	11.43	112	215403	20.127	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	79778	19.615	ug/l	97
66) Ethyl Benzene	11.51	91	418430	19.861	ug/l	99
67) m/p-Xylenes	11.62	106	290546	39.761	ug/l	99
68) o-Xylene	11.95	106	142980	19.799	ug/l	96
69) Styrene	11.96	104	227308	19.704	ug/l	98
70) Isopropylbenzene	12.25	105	389506	20.163	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	112935	20.215	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	100739m	19.864	ug/l	
73) Bromobenzene	12.53	156	78513	20.079	ug/l	94
74) n-propylbenzene	12.59	91	428216	19.439	ug/l	99
75) 2-Chlorotoluene	12.67	91	257632	19.859	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	309592	19.527	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	28866	15.872	ug/l	96
78) 4-Chlorotoluene	12.77	91	241735	19.720	ug/l	99
79) tert-butylbenzene	12.99	119	273945	20.306	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	290290	19.640	ug/l	99
81) sec-Butylbenzene	13.17	105	348097	19.581	ug/l	97
82) p-Isopropyltoluene	13.29	119	285375	19.094	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	115543	18.981	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	108513	18.324	ug/l	97
85) n-Butylbenzene	13.62	91	234154	17.971	ug/l	98
86) Hexachloroethane	13.88	117	52156	17.295	ug/l	96
87) 1,2-Dichlorobenzene	13.66	146	117504	19.656	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15540	16.575	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	29790	13.299	ug/l	95
90) Hexachlorobutadiene	15.01	225	34497	20.031	ug/l	95
91) Naphthalene	15.13	128	95981	18.628	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	28381	12.670	ug/l	96

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

