

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082719\
 Data File : VN057548.D
 Acq On : 27 Aug 2019 12:00
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 4:26:49 PM

Quant Time: Aug 27 12:35:15 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	61214	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	354470	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	294572	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	175708	29.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.23%
60) 4-Bromofluorobenzene	12.40	95	141098	29.05	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.83%
63) Toluene-d8	10.09	98	457029	30.72	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	66866	20.880	ug/l 98
3) Chloromethane	2.05	50	100960	20.994	ug/l 99
4) Vinyl Chloride	2.17	62	129081	21.129	ug/l 98
5) Bromomethane	2.55	94	78579	19.882	ug/l 92
6) Chloroethane	2.69	64	79523	19.433	ug/l 99
7) Trichlorofluoromethane	3.00	101	196686	20.241	ug/l 94
8) Diethyl Ether	3.39	74	72438	19.405	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	66444	12.141	ug/l 99
10) 1,1-Dichloroethene	3.71	96	61227	11.588	ug/l 95
11) Methyl Iodide	3.92	142	87244	18.369	ug/l 99
12) Methyl Acetate	4.31	43	106733	20.053	ug/l 95
13) Acrolein	3.58	56	61652	91.078	ug/l 99
14) Acrylonitrile	4.97	53	183835	99.420	ug/l 98
15) Acetone	3.80	58	50865	58.804	ug/l 90
16) Carbon Disulfide	4.02	76	188663	20.047	ug/l 100
17) Allyl chloride	4.30	41	145675	20.210	ug/l 98
18) Methylene Chloride	4.52	84	86385	22.294	ug/l 96
19) trans-1,2-Dichloroethene	5.01	96	77458	21.228	ug/l 98
20) Diisopropyl ether	5.93	45	306953	19.947	ug/l 99
21) 1,1-Dichloroethane	5.83	63	163065	20.392	ug/l 98
22) cis-1,2-Dichloroethene	6.81	96	91812	20.687	ug/l 99
23) tert-Butyl Alcohol	4.78	59	64869	96.577	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	255807	20.955	ug/l 99
25) Chloroform	7.36	83	168276	21.196	ug/l 98
26) Cyclohexane	7.63	56	143591	20.166	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	121451	20.160	ug/l 100
30) 2-Butanone	6.82	43	273241	94.338	ug/l 98
31) 2,2-Dichloropropane	6.80	77	137753	20.013	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	140712	20.432	ug/l 98
33) Carbon Tetrachloride	7.76	117	110921	19.396	ug/l 95
34) Benzene	8.03	78	363821	20.537	ug/l 99
35) Methacrylonitrile	7.16	41	53048	18.097	ug/l 97
36) 1,2-Dichloroethane	8.11	62	142046m	20.454	ug/l
37) Trichloroethene	8.82	130	81642	20.200	ug/l 100
38) Methylcyclohexane	9.07	83	132706	19.626	ug/l 99
39) 1,2-Dichloropropane	9.11	63	101550	20.160	ug/l 92
40) Dibromomethane	9.20	93	64768	21.039	ug/l 96

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41) Bromodichloromethane	9.40	83	124980	19.142	ug/l	92
42) Vinyl Acetate	5.87	43	1204629	92.938	ug/l	99
43) Ethyl Acetate	6.91	43	110735	19.641	ug/l	96
44) Isopropyl Acetate	8.16	43	200902	18.667	ug/l #	93
45) 1,4-Dioxane	9.19	88	26434	408.627	ug/l	90
46) Methyl methacrylate	9.19	41	92787	18.154	ug/l	97
47) n-amyl Acetate	12.07	43	144304	16.660	ug/l	92
48) t-1,3-Dichloropropene	10.38	75	121222	17.575	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	142132	18.748	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	83067	20.578	ug/l	97
51) Ethyl methacrylate	10.43	69	124662	18.577	ug/l	99
52) 1,3-Dichloropropane	10.71	76	145260	19.737	ug/l	98
53) Dibromochloromethane	10.90	129	76835	17.854	ug/l	99
54) 1,2-Dibromoethane	11.00	107	80379	19.460	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	160241	96.873	ug/l	97
56) Bromoform	12.13	173	41562	16.182	ug/l #	100
58) 4-Methyl-2-Pentanone	9.98	43	581730	100.666	ug/l	99
59) 2-Hexanone	10.75	43	390241	97.427	ug/l	99
61) Tetrachloroethene	10.63	164	74476	22.046	ug/l	94
62) Toluene	10.15	91	373574	20.750	ug/l	100
64) Chlorobenzene	11.43	112	204463	20.890	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	73227	19.687	ug/l	99
66) Ethyl Benzene	11.51	91	394238	20.461	ug/l	100
67) m/p-Xylenes	11.62	106	273034	40.855	ug/l	99
68) o-Xylene	11.95	106	132378	20.044	ug/l	94
69) Styrene	11.96	104	209128	19.822	ug/l	98
70) Isopropylbenzene	12.25	105	358762	20.306	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	107007	20.944	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	93266m	20.109	ug/l	
73) Bromobenzene	12.53	156	71746	20.063	ug/l	97
74) n-propylbenzene	12.59	91	393681	19.541	ug/l	99
75) 2-Chlorotoluene	12.68	91	236967	19.972	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	296515	20.450	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	27205	16.357	ug/l	89
78) 4-Chlorotoluene	12.77	91	218409	19.482	ug/l	99
79) tert-butylbenzene	12.99	119	251290	20.367	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	278178	20.579	ug/l	98
81) sec-Butylbenzene	13.17	105	322058	19.809	ug/l	98
82) p-Isopropyltoluene	13.29	119	261661	19.143	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	104031	18.687	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	101964	18.827	ug/l	99
85) n-Butylbenzene	13.62	91	214495	18.000	ug/l	96
86) Hexachloroethane	13.88	117	47556	17.243	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	108380	19.823	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15185	17.710	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	29174	14.241	ug/l	97
90) Hexachlorobutadiene	15.01	225	32998	20.951	ug/l	95
91) Naphthalene	15.13	128	94984	19.359	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	29644	14.470	ug/l	93

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

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