

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063028.D
 Acq On : 20 Aug 2020 10:35
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Aug 20 11:44:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 11:30:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	33184	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	162288	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	155642	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	70282	24.84	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	82.80%
60) 4-Bromofluorobenzene	12.38	95	72240	26.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.97%
63) Toluene-d8	10.06	98	219352	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	39529	15.030	ug/l 100
3) Chloromethane	2.03	50	43188	17.696	ug/l 100
4) Vinyl Chloride	2.16	62	44142	17.050	ug/l 100
5) Bromomethane	2.53	94	26533	12.871	ug/l 100
6) Chloroethane	2.67	64	25221	12.321	ug/l 100
7) Trichlorofluoromethane	2.98	101	51722	11.570	ug/l 100
8) Diethyl Ether	3.38	74	15799	14.978	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	26851	16.641	ug/l 100
10) 1,1-Dichloroethene	3.70	96	24542	16.545	ug/l 100
11) Methyl Iodide	3.91	142	33019	16.027	ug/l 100
12) Methyl Acetate	4.28	43	32367	14.733	ug/l 100
13) Acrolein	3.57	56	18864	66.721	ug/l 100
14) Acrylonitrile	4.93	53	69196	72.037	ug/l 100
15) Acetone	3.78	58	20887	80.938	ug/l 100
16) Carbon Disulfide	4.01	76	65646	15.502	ug/l 100
17) Allyl chloride	4.27	41	42162	16.352	ug/l 100
18) Methylene Chloride	4.50	84	32515	16.858	ug/l 100
19) trans-1,2-Dichloroethene	4.99	96	25701	15.582	ug/l 100
20) Diisopropyl ether	5.90	45	102594	17.126	ug/l 100
21) 1,1-Dichloroethane	5.80	63	57077	16.463	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	31998	16.229	ug/l 100
23) tert-Butyl Alcohol	4.73	59	21198m	54.247	ug/l
24) Methyl tert-Butyl Ether	4.99	73	82231	13.273	ug/l 100
25) Chloroform	7.33	83	57896	15.497	ug/l 100
26) Cyclohexane	7.61	56	45424	15.432	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	36613	15.981	ug/l 100
30) 2-Butanone	6.79	43	86725	74.087	ug/l 100
31) 2,2-Dichloropropane	6.77	77	46967	19.794	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	47012	15.157	ug/l 100
33) Carbon Tetrachloride	7.73	117	39153	14.376	ug/l 100
34) Benzene	8.00	78	122155	17.423	ug/l 100
35) Methacrylonitrile	7.12	41	14576	13.832	ug/l 100
36) 1,2-Dichloroethane	8.09	62	43447	14.775	ug/l 100
37) Trichloroethene	8.80	130	30007	17.318	ug/l 100
38) Methylcyclohexane	9.05	83	43253	15.727	ug/l 100
39) 1,2-Dichloropropane	9.08	63	35362	18.300	ug/l 100
40) Dibromomethane	9.18	93	21149	16.564	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	45258	15.910	ug/l	100
42) Vinyl Acetate	5.84	43	308205	76.687	ug/l	100
43) Ethyl Acetate	6.88	43	28073	12.492	ug/l	100
44) Isopropyl Acetate	8.13	43	55328	14.627	ug/l	100
45) 1,4-Dioxane	9.17	88	10129	278.968	ug/l	100
46) Methyl methacrylate	9.17	41	25569	13.677	ug/l	100
47) n-amyl Acetate	12.05	43	43144	13.008	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	45701	15.369	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	50314	16.550	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	31753	17.167	ug/l	100
51) Ethyl methacrylate	10.40	69	37904	13.772	ug/l	100
52) 1,3-Dichloropropane	10.68	76	51860	16.360	ug/l	100
53) Dibromochloromethane	10.87	129	34628	15.880	ug/l	100
54) 1,2-Dibromoethane	10.98	107	30995	16.382	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	37905	57.118	ug/l	100
56) Bromoform	12.10	173	24259	15.648	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	174449	68.690	ug/l	100
59) 2-Hexanone	10.72	43	121199	65.766	ug/l	100
61) Tetrachloroethene	10.60	164	27745	17.561	ug/l	100
62) Toluene	10.12	91	131768	16.589	ug/l	100
64) Chlorobenzene	11.41	112	81208	16.311	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	32640	16.015	ug/l	100
66) Ethyl Benzene	11.48	91	132230	15.095	ug/l	100
67) m/p-Xylenes	11.60	106	102436	31.625	ug/l	100
68) o-Xylene	11.92	106	47076	15.132	ug/l	100
69) Styrene	11.94	104	84153	15.283	ug/l	100
70) Isopropylbenzene	12.22	105	128917	14.674	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	44786	15.409	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	39553m	14.296	ug/l	100
73) Bromobenzene	12.50	156	35759	16.281	ug/l	100
74) n-propylbenzene	12.57	91	151507	14.844	ug/l	100
75) 2-Chlorotoluene	12.65	91	94250	14.807	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	110806	14.206	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	12673	13.723	ug/l	100
78) 4-Chlorotoluene	12.75	91	96368	14.807	ug/l	100
79) tert-butylbenzene	12.97	119	90122	14.020	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	105930	13.919	ug/l	100
81) sec-Butylbenzene	13.15	105	126798	14.759	ug/l	100
82) p-Isopropyltoluene	13.26	119	105811	13.887	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	60801	15.823	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	57841	15.321	ug/l	100
85) n-Butylbenzene	13.59	91	79643	12.165	ug/l	100
86) Hexachloroethane	13.85	117	23147	13.921	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	59709	15.026	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	6375	9.536	ug/l	100
89) 1,2,4-Trichlorobenzene	14.88	180	22434	12.309	ug/l	100
90) Hexachlorobutadiene	14.98	225	21721	17.290	ug/l	100
91) Naphthalene	15.10	128	43949	9.106	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	23280	12.725	ug/l	100

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

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