

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102620\
 Data File : VN064305.D
 Acq On : 26 Oct 2020 16:18
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 2:20:55 PM

Quant Time: Oct 26 16:44:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 16:34:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	47040	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	260955	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	239750	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	132075	31.95	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.50%
60) 4-Bromofluorobenzene	12.38	95	130374	30.56	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.87%
63) Toluene-d8	10.06	98	322719	30.17	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	75505	24.279	ug/l 100
3) Chloromethane	2.04	50	67582	21.128	ug/l 100
4) Vinyl Chloride	2.16	62	66459	20.623	ug/l 100
5) Bromomethane	2.53	94	41998	20.082	ug/l 100
6) Chloroethane	2.67	64	37191	19.886	ug/l 100
7) Trichlorofluoromethane	2.98	101	106460	19.764	ug/l 100
8) Diethyl Ether	3.37	74	33775	19.108	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51166	19.273	ug/l 100
10) 1,1-Dichloroethene	3.69	96	49979	19.535	ug/l 100
11) Methyl Iodide	3.91	142	68112	18.469	ug/l 100
12) Methyl Acetate	4.28	43	60677	20.008	ug/l 100
13) Acrolein	3.57	56	16647	69.354	ug/l 100
14) Acrylonitrile	4.93	53	129855	107.831	ug/l 100
15) Acetone	3.78	58	34783	94.444	ug/l 100
16) Carbon Disulfide	4.01	76	141763	19.067	ug/l 100
17) Allyl chloride	4.28	41	89270	18.175	ug/l 100
18) Methylene Chloride	4.51	84	56900	18.880	ug/l 100
19) trans-1,2-Dichloroethene	4.98	96	51193	17.852	ug/l 100
20) Diisopropyl ether	5.90	45	190910	20.168	ug/l 100
21) 1,1-Dichloroethane	5.79	63	106652	19.132	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	61853	18.590	ug/l 100
23) tert-Butyl Alcohol	4.73	59	57787	104.647	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	188755	20.715	ug/l 100
25) Chloroform	7.33	83	111645	18.545	ug/l 100
26) Cyclohexane	7.61	56	85135	19.590	ug/l 100
29) 1,1-Dichloropropene	7.75	75	83264	18.867	ug/l 100
30) 2-Butanone	6.78	43	200387	101.598	ug/l 100
31) 2,2-Dichloropropane	6.78	77	102011m	18.598	ug/l
32) 1,1,1-Trichloroethane	7.53	97	106039	18.791	ug/l 100
33) Carbon Tetrachloride	7.73	117	96243	19.008	ug/l 100
34) Benzene	8.00	78	225984	18.710	ug/l 100
35) Methacrylonitrile	7.12	41	40232	20.275	ug/l 100
36) 1,2-Dichloroethane	8.09	62	103926	19.888	ug/l 100
37) Trichloroethene	8.80	130	60564	18.374	ug/l 100
38) Methylcyclohexane	9.05	83	77828	19.188	ug/l 100
39) 1,2-Dichloropropane	9.08	63	63040	19.370	ug/l 100
40) Dibromomethane	9.17	93	43006	19.098	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	92262	18.923	ug/l	100
42) Vinyl Acetate	5.84	43	859060	99.022	ug/l	100
43) Ethyl Acetate	6.88	43	81909	19.612	ug/l	100
44) Isopropyl Acetate	8.13	43	150645	20.185	ug/l	100
45) 1,4-Dioxane	9.17	88	23045	478.970	ug/l	100
46) Methyl methacrylate	9.17	41	74195	20.452	ug/l	100
47) n-amyl Acetate	12.05	43	124464	19.256	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	105156	19.192	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	104109	18.373	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	58884	19.562	ug/l	100
51) Ethyl methacrylate	10.40	69	88589	19.120	ug/l	100
52) 1,3-Dichloropropane	10.68	76	102482	19.377	ug/l	100
53) Dibromochloromethane	10.87	129	70027	18.773	ug/l	100
54) 1,2-Dibromoethane	10.97	107	62437	19.399	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	223817	92.790	ug/l	100
56) Bromoform	12.10	173	50591	18.986	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	426603	103.235	ug/l	100
59) 2-Hexanone	10.72	43	314845	101.220	ug/l	100
61) Tetrachloroethene	10.60	164	59726	18.381	ug/l	100
62) Toluene	10.13	91	243833	18.187	ug/l	100
64) Chlorobenzene	11.41	112	150763	18.215	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	60647	18.253	ug/l	100
66) Ethyl Benzene	11.48	91	282915	18.330	ug/l	100
67) m/p-Xylenes	11.59	106	202455	35.653	ug/l	100
68) o-Xylene	11.92	106	98590	17.865	ug/l	100
69) Styrene	11.94	104	165889	17.996	ug/l	100
70) Isopropylbenzene	12.22	105	266829	18.215	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	79115	19.713	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	92424m	21.894	ug/l	
73) Bromobenzene	12.50	156	65227	18.276	ug/l	100
74) n-propylbenzene	12.57	91	301639	18.032	ug/l	100
75) 2-Chlorotoluene	12.65	91	190677	18.287	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	224911	18.128	ug/l	100
77) t-1,4-Dichloro-2-butene	12.28	75	31483	19.492	ug/l	100
78) 4-Chlorotoluene	12.75	91	195718	18.101	ug/l	100
79) tert-butylbenzene	12.97	119	181924	18.015	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	227837	18.078	ug/l	100
81) sec-Butylbenzene	13.15	105	235664	17.997	ug/l	100
82) p-Isopropyltoluene	13.26	119	213311	17.750	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	110295	17.636	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	110341	17.378	ug/l	100
85) n-Butylbenzene	13.59	91	181424	17.270	ug/l	100
86) Hexachloroethane	13.85	117	40456	19.444	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	109914	17.940	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	19557	19.928	ug/l	100
89) 1,2,4-Trichlorobenzene	14.88	180	58991	17.042	ug/l	100
90) Hexachlorobutadiene	14.98	225	32451	17.204	ug/l	100
91) Naphthalene	15.10	128	188202	18.344	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	58692	17.657	ug/l	100

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

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