

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064518.D
 Acq On : 10 Nov 2020 11:40
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 11/11/2020 1:01:19 PM

Quant Time: Nov 11 02:26:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 13:16:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	61772	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	329035	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	307693	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	169032	30.91	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.03%
60) 4-Bromofluorobenzene	12.38	95	158055	29.99	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.97%
63) Toluene-d8	10.06	98	432891	30.17	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	92699	22.407 ug/l	95
3) Chloromethane	2.04	50	106816	22.627 ug/l	100
4) Vinyl Chloride	2.17	62	113221	22.135 ug/l	95
5) Bromomethane	2.54	94	70461	21.048 ug/l	100
6) Chloroethane	2.68	64	68552	21.462 ug/l	98
7) Trichlorofluoromethane	2.99	101	166288	22.451 ug/l	98
8) Diethyl Ether	3.37	74	58338	22.054 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	74802	21.458 ug/l #	48
10) 1,1-Dichloroethene	3.69	96	68823	20.638 ug/l	98
11) Methyl Iodide	3.91	142	85749	20.857 ug/l	95
12) Methyl Acetate	4.28	43	86908	21.376 ug/l	93
13) Acrolein	3.57	56	47783	116.217 ug/l	99
14) Acrylonitrile	4.94	53	193881	107.220 ug/l	99
15) Acetone	3.78	58	65695	110.086 ug/l	95
16) Carbon Disulfide	4.00	76	205630	20.319 ug/l	100
17) Allyl chloride	4.27	41	128543	20.516 ug/l	99
18) Methylene Chloride	4.50	84	84510	21.342 ug/l	96
19) trans-1,2-Dichloroethene	4.99	96	77716	20.563 ug/l	97
20) Diisopropyl ether	5.90	45	282261	20.690 ug/l	97
21) 1,1-Dichloroethane	5.79	63	159501	21.261 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	88683	20.704 ug/l	96
23) tert-Butyl Alcohol	4.75	59	67482	108.989 ug/l #	100
24) Methyl tert-Butyl Ether	5.00	73	242078	20.524 ug/l #	70
25) Chloroform	7.33	83	168186	21.334 ug/l	94
26) Cyclohexane	7.61	56	117783	20.336 ug/l #	99
29) 1,1-Dichloropropene	7.75	75	120905	21.174 ug/l	98
30) 2-Butanone	6.79	43	298004	105.429 ug/l #	76
31) 2,2-Dichloropropane	6.78	77	142658	21.033 ug/l	100
32) 1,1,1-Trichloroethane	7.52	97	152700	21.802 ug/l	97
33) Carbon Tetrachloride	7.73	117	131932	21.093 ug/l	99
34) Benzene	8.00	78	343136	20.754 ug/l	99
35) Methacrylonitrile	7.13	41	54374	20.563 ug/l	96
36) 1,2-Dichloroethane	8.08	62	144311	21.269 ug/l	98
37) Trichloroethene	8.80	130	85617	20.481 ug/l	95
38) Methylcyclohexane	9.05	83	100682	19.494 ug/l	99
39) 1,2-Dichloropropane	9.08	63	91491	20.595 ug/l	97
40) Dibromomethane	9.17	93	65259	21.775 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	135817	20.910	ug/l	96
42) Vinyl Acetate	5.85	43	1165581	103.005	ug/l	100
43) Ethyl Acetate	6.88	43	119427	21.714	ug/l	98
44) Isopropyl Acetate	8.13	43	195970	20.641	ug/l	96
45) 1,4-Dioxane	9.17	88	27078	406.853	ug/l	98
46) Methyl methacrylate	9.17	41	96474	20.432	ug/l	95
47) n-amyl Acetate	12.05	43	163161	19.866	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	140070	20.349	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	147568	20.403	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	85608	20.835	ug/l	99
51) Ethyl methacrylate	10.40	69	117836	20.013	ug/l	98
52) 1,3-Dichloropropane	10.68	76	147494	20.895	ug/l	100
53) Dibromochloromethane	10.87	129	96380	20.482	ug/l	98
54) 1,2-Dibromoethane	10.98	107	89653	21.332	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	272994	88.598	ug/l	99
56) Bromoform	12.10	173	62409	20.210	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	609815	107.923	ug/l	99
59) 2-Hexanone	10.72	43	460094	108.109	ug/l	99
61) Tetrachloroethene	10.60	164	82839	21.539	ug/l	97
62) Toluene	10.12	91	377278	20.879	ug/l	100
64) Chlorobenzene	11.41	112	222901	20.752	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	88575	21.095	ug/l	98
66) Ethyl Benzene	11.48	91	398637	20.441	ug/l	100
67) m/p-Xylenes	11.60	106	293644	40.796	ug/l	99
68) o-Xylene	11.92	106	137326	20.161	ug/l	95
69) Styrene	11.94	104	232597	19.939	ug/l	99
70) Isopropylbenzene	12.22	105	363103	20.366	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	122316	21.423	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	115293m	20.247	ug/l	
73) Bromobenzene	12.50	156	88500	20.066	ug/l	99
74) n-propylbenzene	12.57	91	432342	20.616	ug/l	99
75) 2-Chlorotoluene	12.65	91	268847	20.389	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	309348	20.554	ug/l	97
77) t-1,4-Dichloro-2-butene	12.27	75	41263	19.875	ug/l	91
78) 4-Chlorotoluene	12.75	91	280120	20.218	ug/l	99
79) tert-butylbenzene	12.97	119	240908	20.396	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	312697	20.617	ug/l	98
81) sec-Butylbenzene	13.15	105	316497	20.214	ug/l	100
82) p-Isopropyltoluene	13.26	119	278321	19.898	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	155600	20.055	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	150746	19.534	ug/l	97
85) n-Butylbenzene	13.59	91	238269	19.649	ug/l	98
86) Hexachloroethane	13.85	117	56915	20.420	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	156506	20.711	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	25994	21.073	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	63690	18.562	ug/l	94
90) Hexachlorobutadiene	14.98	225	35801	20.950	ug/l	97
91) Naphthalene	15.10	128	201497	17.752	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	66813	19.241	ug/l	98

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

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