Table 1
SAMPLING STATION LOCATIONS AND REQUIRED ANALYSES
ORGANIC WASTEWATER CHARACTERIZATION STUDIES
DALTON, CALHOUN & ROME, GA
February 23-27, 1976

Station Location	Station Number	Sample Type	No. Samples	Flow	pH	Temperature	TOC	Organic Analyses	Phenols	PCBs	BOD_5	COD	TSS	Fecal Coliform	Nitrogen Series	Total Phosphorus		
Dalton Water Treatment Plant, Raw Water	DWTP-1	C	3	X			X	X	X									
		G	3		X	X												
Dalton Water Treatment Plant, Finished Water	DWTP-2	C	3	X			X	X	X									
		G	3		X	X												
Dalton Wastewater Treatment Plant, Influent	DSTP-1	C	3				X	X	X		X	X	X					
		G	3		X	X												
Dalton Wastewater Treatment Plant, Effluent	DSTP-2	C	3	X			X	X	X		X	X	X		X	X		
		G	3		X	X								X				
Mill Brook at U. S. 76 Bridge	MC-1	G	1		X	X	X	X	X									
Calhoun Water Treatment Plant, Raw Water	CWTP-1	C	3	X			X	X	X									
		G	3		X	X												
Calhoun Water Treatment Plant, Finished Water	CWTP-2	C	3	X			X	X	X									
		G	3		X	X												
Calhoun Wastewater Treatment Plant, Influent	CSTP-1	C	3				X	X	X		X	X	X					
		G	3		X	X												
Calhoun Wastewater Treatment Plant, Effluent	CSTP-2	C	3	X			X	X	X		X	X	X		X	X		
		G	3		X	X								X				
Rome Water Treatment Plant, Raw Water	RWTP-1	C	3	X			X	X	X	X								
		G	3		X	X												
Rome Water Treatment Plant, Finished Water	RWTP-2	C	3	X			X	X	X	X								
		G	3		X	X												
Rome Wastewater Treatment Plant, Influent	RSTP-1	C	3				X	X	X	X	X	X	X					
		G	3		X	X												
Rome Wastewater Treatment Plant, Effluent	RSTP-2	C	3	X			X	X	X	X	X	X	X		X	X		
		G	3		X	X								X				
Coosawattee River at Tilton Bridge	CR-1	G	3		X	X	X	X	X	X								
Coosawattee River at GA Highway 225 Bridge	CWR-1	G	3		X	X	X	X	X	X								
Oostanaula River at GA Highway 140 Bridge	OR-1	G	3		X	X	X	X	X	X								
Etowah River at US 441 Bridge	ER-1	G	3		X	X	X	X	X	X								

NOTE: C = Composite
G = Grab

MONS 077108

PROJECT: Dalton, Calhoun, Rome - Characterization Study CHEMIST: Wade Knight RECEIVED: 2/26/75

NO.	STATION	MONTH	DAY	YEAR	TIME	PCB's ug/l	Xylene ug/l 5/	Trimethyl Benzene ug/l 5/	Ethyl Toluene ug/l	Diethyl Benzene ug/l 5/	Methyl Isopropyl Benzene ug/l 5/	Propyl Benzene ug/l	Trimethyl Benzene ug/l 6/	Hexanol ug/l	Xenyl Alcohol ug/l 6/	Methyl Xenyl Alcohol ug/l 6/	2-phenoxy Ethanol ug/l 6/	a-Terpineol ug/l 6/	Phenyl Phenol ug/l 6/	Methyl Naphthalene ug/l	Naphthalene ug/l	Methyl Naphthalenes ug/l	Methyl Naphthalenes ug/l	Methyl Naphthalenes ug/l	Methyl Naphthalenes ug/l	Biphenyl ug/l	Methyl Biphenyl ug/l	Trichloro-[illegible]
0410	DUTF-1	2-25	26-75		0845-0800	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0411	DUTF-2	2-25	26-75		0815-0800	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0414	CUTF-1	2-25	26-75		1215-1030	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0416	CUTF-1	2-25	26-75		0830-0730	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0421	SGTF-2	2-25	26-75		0955-0945	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0434	CS-1	2-26-76			0945	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0435	CUR-1	2-26-76			2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0436	CR-1	2-26-76			0900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0437	SP-1	2-25-76			1100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - None Detected

MONS 077109

PROJECT: Dalton, Calhoun, Rome - Characterization Study CHEMIST: Wade Knight RECEIVED: 2/26/76

NO.	STATION	MONTH	DAY	YEAR	TIME	PCB's ug/l 5/	Xylene ug/l 5/	Trimethyl Benzene ug/l 5/	Ethyl Toluene ug/l	Diethyl Benzene ug/l 5/	Methyl Isopropyl Benzene ug/l 5/	Propyl Benzene ug/l 5/	Trimethyl Benzene ug/l 6/	Hexanol ug/l 6/	Benzyl Alcohol ug/l 6/	Benzyl Alcohol ug/l 6/	2-Phenoxy Ethanol ug/l 6/	α-Terpineol ug/l 6/	Phenyl Phenol ug/l 6/	Methyl Benzoate ug/l	Naphthalene ug/l	Methyl Naphthalene ug/l	Methyl Naphthalene ug/l	Methyl Ethyl Naphthalene ug/l	Biphenyl ug/l	Methyl Biphenyl ug/l	Trichloro Benzene ug/l	[illegible]
760 0361	RWTP-2	2-24-76			0900	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0362	RWTP-1	2-24-76			0815	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0363	RSTP-1	2-24-76			1015	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0364	RSTP-2	2-24-76			0945	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0365	CSTP-1	2-24-76				—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0366	CSTP-2	2-24-76				—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0367	CWTP-1	2-24-76				—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0368	CWTP-2	2-24-76				—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0369	DWTP-1	2-24-76				—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0370	DWTP-2	2-24-76				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0371	DSTP-1	2-24-76				—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0372	DSTP-2	2-24-76				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - None Detected

MONS 077110

PROJECT: Dalton, Calhoun, Rowe - Characterization Study CHEMIST: Wade Knight RECEIVED: 2/26/76

| FILE | STATION | MONTH | DAY | YEAR | TIME | PCB's ug/L | Xylenes ug/L | Trichloroethylene ug/L | Toluene ug/L | Benzene ug/L | Dieldrin ug/L | Methyl Isocyanate ug/L | Phenol ug/L | Bromoform ug/L | Chloroform ug/L | Carbon Tetrachloride ug/L | Benzidine ug/L | Acrylonitrile ug/L | Acrolein ug/L | Hexachlorobutadiene ug/L | Hexachlorocyclopentadiene ug/L | Hexachloroethane ug/L | Naphthalene ug/L | Nitrobenzene ug/L | Isophorone ug/L | Aniline ug/L | Diphenylamine ug/L | Chlorobenzene ug/L | Trichlorofluoromethane ug/L | Dichlorodifluoromethane ug/L | Bromomethane ug/L | Chloromethane ug/L | Bis(chloromethyl)ether ug/L | Bis(2-chloroethyl)ether ug/L | 2-Chloroethylvinyl ether ug/L | Dichlorobenzenes ug/L | Trichlorobenzenes ug/L | Tetrachlorobenzenes ug/L | Hexachlorobenzene ug/L | Pentachlorophenol ug/L | Phenol ug/L | 2-Chlorophenol ug/L | 2,4-Dichlorophenol ug/L | 2,4,6-Trichlorophenol ug/L | 2,4-Dimethylphenol ug/L | 2-Nitrophenol ug/L | 4-Nitrophenol ug/L | 2,4-Dinitrophenol ug/L | 4,6-Dinitro-o-cresol ug/L | Benzidine ug/L | 3,3'-Dichlorobenzidine ug/L | 1,2-Diphenylhydrazine ug/L | Hexachlorocyclohexane (Lindane) ug/L | Hexachlorocyclohexane (Technical) ug/L | Hexachlorocyclohexane (Beta) ug/L | Hexachlorocyclohexane (Delta) ug/L | Hexachlorocyclohexane (Epsilon) ug/L | Hexachlorocyclohexane (Gamma) ug/L | Hexachlorocyclohexane (Alpha) ug/L | Heptachlor ug/L | Heptachlor Epoxide ug/L | Aldrin ug/L | Endrin ug/L | Dieldrin ug/L | 4,4'-DDT ug/L | 4,4'-DDE ug/L | 4,4'-DDD ug/L | Alpha-Endosulfan ug/L | Beta-Endosulfan ug/L | Endosulfan Sulfate ug/L | Endrin Aldehyde ug/L | Endrin Ketone ug/L | Methoxychlor ug/L | Toxaphene ug/L |
|---|---|---

PROJECT: Dalton, Calhoun, Rome - Characterization Study CHEMIST: Wade Knight RECEIVED: 2/26/75

ITEM	STATION	MONTH	DAY	YEAR	TIME	TCE's µg/l	Xylene µg/l 5/	Trimethyl 3/ Benzene µg/l	Ethyl Toluene µg/l	Diethyl 5/ Benzene µg/l	Methyl Iso-Propyl Benzene 5/	Propyl Benzene µg/l	Trimethyl 6/ Benzene µg/l	Hexanol µg/l	Benzyl Alcohol µg/l	Methyl Benzoate 6/	Alcohol µg/l	2-Phenoxy 6/ Ethanol µg/l	4-Terpineol 6/ µg/l	Phenyl Phenol µg/l 6/	Methyl Benzoate µg/l	Naphthalene µg/l	Methyl Naphthalene 7/	Naphthalene µg/l	Methyl Ethyl 7/ Naphthalene µg/l	Biphenyl µg/l	Methyl 8/ Biphenyl µg/l	Trichloro Benzene
0376A	DWTP-1	2-26	25-76		0845-0845	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0411	DWTP-2	2-25	26-75		0815-0800	(This sample reported with 0376)																						
0377	DWTP-2	2-26	25-76		0800-0800	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0392	MS-1	2-25-76			0300	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0401	CR-1	2-25-76			1100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0402	CVR-1	2-25-76			1145	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0403	CR-1	2-25-76			0710	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
0404	SR-1	2-25-76			1200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Minimum detection limit = µg/l except methyl benzoate which = 5 µg/l (and compounds quantitated using methyl benzoate)

5/ Estimated concentration using cumene
6/ Estimated concentration using methyl benzoate
7/ Estimated concentration using dimethyl naphthalene
8/ Estimated concentration using biphenyl
9/ Estimated concentration using ethylbenzene
ND - None Detected

Sample 0379A - Dibromo propanol (2µg/l) and 2-methylthiophenol angle at a concentration of 5 µg/l were detected.

Estimated concentration based on relative response on GC/FID of standard compound vs. organic compounds that are similar to standard compound. Also, no sample preparation recovery data available.

MONS 077112

DATA REPORTING SHEET

PROJECT: Dalton, Calhoun, Rome Characterization Study
CHEMIST: Wade Knight
RECEIVED: 2/26/76

SAM NO.	STATION NO.	DATE OF SAMPLE	CHLOROFORM ug/l	BROMO DICHLORO METHANE ug/l	DIBROMO CHLORO METHANE ug/l	BROMOFORM ug/l	TRI CHLORO ETHYLENE ug/l 1/	TETRA CHLORO ETHYLENE ug/l	BENZENE ug/l 2/	TOL u
7600388	DWTP-1	2/25/76 0845	ND	ND	ND	ND	ND	ND	ND	N
7600389	DWTP-2	2/25/76 0815	40	4.1	1.0	ND	ND	ND	ND	N
7600390*	DSTP-1	2/25/76 0930	ND	ND	ND	ND	<5	<5	<5	
7600391*	DSTP-2	2/25/76 1000	<5	ND	ND	ND	ND	ND	ND	N
7600392	MC-1	2/25/76 0800	ND	ND	ND	ND	ND	.55	ND	N
7600393	CWTP-1	2/25/76 1215	ND	ND	ND	ND	ND	ND	ND	
7600394	CWTP-2	2/25/76 1230	36	8.8	1.8	<.5	ND	ND	ND	N
7600395*	CSTP-1	2/25/76 1245	87	ND	ND	ND	ND	6.4	ND	N
7600396*	CSTP-2	2/25/76 1315	35	ND	ND	ND	ND	ND	ND	N
7600397	RWTP-1	2/25/76 0845	ND	ND	ND	ND	<.5	ND	ND	N
7600398	RWTP-2	2/25/76 0915	48	4.9	1.3	.74	ND	ND	ND	N
7600399*	RSTP-1	2/25/76 1020	<5	ND	ND	ND	<5	6.9	ND	
7600400*	RSTP-2	2/25/76 0950	<5	ND	ND	ND	ND	<5	ND	
7600401	CR-1	2/25/76 1100	ND	ND	ND	ND	ND	ND	ND	N
7600402	CWR-1	2/25/76 1145	ND	ND	ND	ND	ND	ND	ND	
7600403	CR-1	2/25/76 0710	.6	ND	ND	ND	ND	ND	ND	N
[illegible]	[illegible]	2/25/76	.6	ND	ND	ND	ND	ND	ND	N

MONS 077113

DATA REPORTING SHEET

PROJECT: Dalton, Calhoun, Rome Characterization Study
CHEMIST: Wade Knight
RECEIVED: 2/26/76

SAD NO.	STATION NO.	DATE OF SAMPLE	XYLENES ug/l	ETHYL BENZENE[2] ug/l	ETHYL TOLUENES ug/l	PROPYL BENZENES[3] ug/l	DIMETHYL ETHYL BENZENES[3] ug/l	CHLOROBENZENE[4] ug/l	TRICHLORO BENZENES ug/l
76C00[illegible]	DWTP-1	2/25/76 0845	ND	ND	ND	ND	ND	ND	ND
76C00[illegible]	DWTP-2	2/25/76 0815	ND	ND	ND	ND	ND	ND	ND
76C00[illegible]*	DSTP-1	2/25/76 0930	26	ND	54	23	ND	ND	ND
76C00[illegible]*	DSTP-2	2/25/76 1000	ND	ND	ND	ND	ND	ND	ND
76C00[illegible]	MC-1	2/25/76 0800	ND	ND	ND	ND	ND	ND	ND
76C00[illegible]	CWTP-1	2/25/76 1215	ND	ND	ND	ND	ND	ND	ND
76C00[illegible]	CWTP-2	2/25/76 1230	ND	ND	ND	ND	ND	ND	ND
76C00[illegible]*	CSTP-1	2/25/76 1245	563	219	456	77	ND	ND	ND
76C00[illegible]*	CSTP-2	2/25/76 1315	ND	ND	ND	ND	ND	ND	ND
76C00[illegible]	RWTP-1	2/25/76 0845	ND	ND	ND	ND	ND	ND	ND
76C00[illegible]	RWTP-2	2/25/76 0915	ND	ND	ND	ND	ND	ND	ND
76C00[illegible]*	RSTP-1	2/25/76 1020	8.5	<5	ND	ND	ND	ND	ND
76C00[illegible]*	RSTP-2	2/25/76 0950	ND	ND	ND	ND	11	27	<5
76C00[illegible]	CR-1	2/25/76 1100	ND	ND	ND	ND	ND	ND	ND
76C00[illegible]	CRN-1	2/25/76 1145	ND	ND	ND	ND	ND	ND	ND
76C00[illegible]	CR-2	2/25/76 0710	ND	ND	ND	ND	ND	ND	ND

MONS 07714

ND - None Detected
Minimum detection limit for * samples = 5 µg/l
Minimum detection limit for all other samples = 0.5 µg/l

1/
Est. Conc. using tetrachloroethylene

2/
Est. Conc. using xylene

3/
Est. Conc. using ethyl toluene

4/
Est. Conc. using trichloro benzene

Samples were quantitated using GC/mass spec. Estimated concentration based on relative response on GC/MS (total ion current) of indicated standard compound vs. organic compounds that are similar to standard compound. Also, no sample preparation recovery data available.

MONS 077115

DATA REPORTING SHEET

PROJECT: Dalton, Calhoun, Rome Characterization Study
CHEMIST: Wade Knight
RECEIVED: 2/26/76

SAP NO.	STATION NO.	DATE OF SAMPLE	CHLOROFORM ug/l	BROMO DICHLORO METHANE ug/l	DIBROMO CHLORO METHANE ug/l	BROMOFORM ug/l	TRI CHLORO ETHYLENE ug/l 1/	TETRA CHLORO ETHYLENE ug/l	BENZENE ug/l 2/	TOLUE ug/
76C0422	DWTP-1	2/26/76 0815	ND	ND	ND	ND	ND	ND	<.5	ND
76C0423	DWTP-2	2/26/76 0800	45	4.0	1.0	<.5	ND	ND	ND	ND
76C0426	CWTP-1	2/26/76 1030	ND	ND	ND	ND	ND	ND	<.5	ND
76C0427	CWTP-2	2/26/76 1050	68	10	2.0	<.5	ND	ND	ND	ND
76C0430	RWTP-1	2/26/76 0800	ND	ND	ND	ND	ND	ND	ND	ND
76C0431	RWTP-2	2/26/76 0820	31	3.6	.68	<.5	ND	ND	ND	ND
76C0434	CR-1	2/26/76 0945	ND	ND	ND	ND	ND	ND	ND	ND
76C0435	CWR-1	2/26/76 1015	ND	ND	ND	ND	ND	ND	ND	ND
76C0436	OR-1	2/26/76 0900	ND	ND	ND	ND	ND	ND	ND	ND
76C0437	ER-1	2/26/76 1100	.78	ND	ND	ND	ND	ND	ND	ND

MONS 077116

DATA REPORTING SHEET

PROJECT: Dalton, Calhoun, Rome Characterization Study
CHEMIST: Wade Knight
RECEIVED: 2/26/76

SAD NO.	STATION NO.	DATE OF SAMPLE	XYLENES µg/1	ETHYL BENZENE µg/1 2/	ETHYL TOLUENES µg/1	PROPYL BENZENE µg/1 3/	DIMETHYL ETHYL BENZENES µg/1 3/	CHLOROBENZENE µg/1 4/	TRICHLORO BENZENES µg/1
76C0422	DWTP-1	2/26/76 0815	ND	ND	ND	ND	ND	ND	ND
76C0423	DWTP-2	2/26/76 0800	ND	ND	ND	ND	ND	ND	ND
76C0426	CWTP-1	2/26/76 1030	ND	ND	ND	ND	ND	ND	ND
76C0427	CWTP-2	2/26/76 1050	ND	ND	ND	ND	ND	ND	ND
76C0430	RWTP-1	2/26/76 0800	ND	ND	ND	ND	ND	ND	ND
76C0431	RWTP-2	2/26/76 0820	ND	ND	ND	ND	ND	ND	ND
76C0434	CR-1	2/26/76 0945	ND	ND	ND	ND	ND	ND	ND
76C0435	CWR-1	2/26/76 1015	ND	ND	ND	ND	ND	ND	ND
76C0436	CR-1	2/26/76 0900	ND	ND	ND	ND	ND	ND	ND
76C0437	ER-1	2/26/76 1100	ND	ND	ND	ND	ND	ND	ND

ND - None Detected
1/ Est. Conc. using tetrachloroethylene
2/ Est. Conc. using xylene
3/ Est. Conc. using ethyl toluene
4/ Est. Conc. using trichloro benzene
Samples were quantitated using GC/mass spec. Estimated concentration based on relative response on GC/MS (total ion current) of indicated standard compound vs. organic compounds that are similar to standard compound. Also, no sample preparation recovery data available.
Minimum detection limit for * samples = 5 µg/1
Minimum detection limit for all other samples = 0.5 µg/1

MONS 07717