

 ENTERED

wr42a7

VanHorn, Kristen, NMENV

From: Bailey, William M <William.M.Bailey@andeavor.com>
Sent: Friday, December 15, 2017 12:32 PM
To: VanHorn, Kristen, NMENV
Cc: Johnson, Cheryl A; Dorsey, Alvin; Morgan, Loretta A
Subject: Carbon Canister Effluent - WASTEWATER TREATMENT BENZENE > 0.5
Attachments: BaseRpt-HALL-MDLConsolidated_batch.pdf

Hey Kristen,

I am out of the office today, however, I saw an email from Andy Freeman at Hall Environmental. The water effluent results show that we exceeded the .500 ppm benzene based on a December 6th sample collection. I just received this data today, December 15th from Andy. According to Andy, they are still running the metals, but he sent the organic results as soon as they had results.

The Method 8260 showed a benzene result of .760 ppm.

I'll keep you posted when I get the metal results. Also, I'll send you a meeting request for a call early next week as well.

thanks,

Bill

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup

Client Sample ID: Carbon Canister

Project: Carbon Canister WWTP

Collection Date: 12/4/2017 8:00:00 AM

Lab ID: 1712503-001

Matrix: AQUEOUS

Received Date: 12/8/2017 9:35:00 AM

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE							Analyst: TOM	
Diesel Range Organics (DRO)	ND	0.36	1.0		mg/L	1	12/12/2017 10:56:36 AM	35444
Surr: DNOP	104	0	77.5-161		%Rec	1	12/12/2017 10:56:36 AM	35444
EPA METHOD 300.0: ANIONS							Analyst: MRA	
Fluoride	48	4.4	10	*	mg/L	100	12/12/2017 9:11:49 PM	R47708
Chloride	280	25	50		mg/L	100	12/12/2017 9:11:49 PM	R47708
Bromide	1.1	0.15	1.0		mg/L	10	12/12/2017 8:46:59 PM	R47708
Phosphorus, Orthophosphate (As P)	ND	2.5	5.0	H	mg/L	10	12/12/2017 8:46:59 PM	R47708
Sulfate	620	9.6	50		mg/L	100	12/12/2017 9:11:49 PM	R47708
Nitrate+Nitrite as N	ND	0.26	2.0		mg/L	10	12/12/2017 9:24:13 PM	R47708
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: RAA	
Benzene	ND	1.2	10		µg/L	20	12/13/2017 7:33:00 AM	SL4773
Toluene	2.4	1.3	20	J	µg/L	20	12/13/2017 7:33:00 AM	SL4773
Ethylbenzene	ND	1.9	20		µg/L	20	12/13/2017 7:33:00 AM	SL4773
Methyl tert-butyl ether (MTBE)	ND	4.8	20		µg/L	20	12/13/2017 7:33:00 AM	SL4773
Xylenes, Total	ND	6.4	30		µg/L	20	12/13/2017 7:33:00 AM	SL4773
Surr: 1,2-Dichloroethane-d4	107	0	70-130		%Rec	20	12/13/2017 7:33:00 AM	SL4773
Surr: 4-Bromofluorobenzene	102	0	70-130		%Rec	20	12/13/2017 7:33:00 AM	SL4773
Surr: Dibromofluoromethane	104	0	70-130		%Rec	20	12/13/2017 7:33:00 AM	SL4773
Surr: Toluene-d8	97.1	0	70-130		%Rec	20	12/13/2017 7:33:00 AM	SL4773
SM2510B: SPECIFIC CONDUCTANCE							Analyst: JRR	
Conductivity	4700	5.0	5.0		µmhos/c	1	12/11/2017 12:33:36 PM	R47724
SM4500-H+B: PH							Analyst: JRR	
pH	8.90			*H	pH units	1	12/11/2017 12:33:36 PM	R47724

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Western Refining Southwest, Gallup**Client Sample ID:** Carbon Canister**Project:** Carbon Canister WWTP**Collection Date:** 12/5/2017 8:00:00 AM**Lab ID:** 1712503-002**Matrix:** AQUEOUS**Received Date:** 12/8/2017 9:35:00 AM

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE							Analyst: TOM	
Diesel Range Organics (DRO)	1.1	0.36	1.0		mg/L	1	12/12/2017 11:24:20 AM	35444
Surr: DNOP	102	0	77.5-161		%Rec	1	12/12/2017 11:24:20 AM	35444
EPA METHOD 300.0: ANIONS							Analyst: MRA	
Fluoride	180	4.4	10	*	mg/L	100	12/12/2017 10:38:41 PM	R47708
Chloride	250	25	50		mg/L	100	12/12/2017 10:38:41 PM	R47708
Bromide	1.0	0.15	1.0		mg/L	10	12/12/2017 10:13:52 PM	R47708
Phosphorus, Orthophosphate (As P)	2.6	2.5	5.0	JH	mg/L	10	12/12/2017 10:13:52 PM	R47708
Sulfate	520	9.6	50		mg/L	100	12/12/2017 10:38:41 PM	R47708
Nitrate+Nitrite as N	62	0.26	2.0	*	mg/L	10	12/12/2017 10:51:05 PM	R47708
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: RAA	
Benzene	24	1.2	10		µg/L	20	12/13/2017 7:56:00 AM	SL4773
Toluene	8.5	1.3	20	J	µg/L	20	12/13/2017 7:56:00 AM	SL4773
Ethylbenzene	ND	1.9	20		µg/L	20	12/13/2017 7:56:00 AM	SL4773
Methyl tert-butyl ether (MTBE)	ND	4.8	20		µg/L	20	12/13/2017 7:56:00 AM	SL4773
Xylenes, Total	ND	6.4	30		µg/L	20	12/13/2017 7:56:00 AM	SL4773
Surr: 1,2-Dichloroethane-d4	108	0	70-130		%Rec	20	12/13/2017 7:56:00 AM	SL4773
Surr: 4-Bromofluorobenzene	101	0	70-130		%Rec	20	12/13/2017 7:56:00 AM	SL4773
Surr: Dibromofluoromethane	105	0	70-130		%Rec	20	12/13/2017 7:56:00 AM	SL4773
Surr: Toluene-d8	98.2	0	70-130		%Rec	20	12/13/2017 7:56:00 AM	SL4773
SM2510B: SPECIFIC CONDUCTANCE							Analyst: JRR	
Conductivity	5500	5.0	5.0		µmhos/c	1	12/11/2017 12:37:35 PM	R47724
SM4500-H+B: PH							Analyst: JRR	
pH	9.22			*H	pH units	1	12/11/2017 12:37:35 PM	R47724

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Western Refining Southwest, Gallup**Client Sample ID:** Carbon Canister**Project:** Carbon Canister WWTP**Collection Date:** 12/6/2017 8:00:00 AM**Lab ID:** 1712503-003**Matrix:** AQUEOUS**Received Date:** 12/8/2017 9:35:00 AM

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE							Analyst: TOM	
Diesel Range Organics (DRO)	8.9	0.36	1.0		mg/L	1	12/12/2017 11:52:09 AM	35444
Surr: DNOP	105	0	77.5-161		%Rec	1	12/12/2017 11:52:09 AM	35444
EPA METHOD 300.0: ANIONS							Analyst: MRA	
Fluoride	220	4.4	10	*	mg/L	100	12/12/2017 11:40:43 PM	R47708
Chloride	210	25	50		mg/L	100	12/12/2017 11:40:43 PM	R47708
Bromide	1.6	0.15	1.0		mg/L	10	12/12/2017 11:15:54 PM	R47708
Phosphorus, Orthophosphate (As P)	ND	2.5	5.0	H	mg/L	10	12/12/2017 11:15:54 PM	R47708
Sulfate	520	9.6	50		mg/L	100	12/12/2017 11:40:43 PM	R47708
Nitrate+Nitrite as N	2.9	0.26	2.0		mg/L	10	12/12/2017 11:53:08 PM	R47708
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: RAA	
Benzene	760	1.2	10	*	µg/L	20	12/13/2017 8:20:00 AM	SL4773
Toluene	400	1.3	20		µg/L	20	12/13/2017 8:20:00 AM	SL4773
Ethylbenzene	34	1.9	20		µg/L	20	12/13/2017 8:20:00 AM	SL4773
Methyl tert-butyl ether (MTBE)	ND	4.8	20		µg/L	20	12/13/2017 8:20:00 AM	SL4773
Xylenes, Total	170	6.4	30		µg/L	20	12/13/2017 8:20:00 AM	SL4773
Surr: 1,2-Dichloroethane-d4	107	0	70-130		%Rec	20	12/13/2017 8:20:00 AM	SL4773
Surr: 4-Bromofluorobenzene	101	0	70-130		%Rec	20	12/13/2017 8:20:00 AM	SL4773
Surr: Dibromofluoromethane	102	0	70-130		%Rec	20	12/13/2017 8:20:00 AM	SL4773
Surr: Toluene-d8	99.1	0	70-130		%Rec	20	12/13/2017 8:20:00 AM	SL4773
SM2510B: SPECIFIC CONDUCTANCE							Analyst: JRR	
Conductivity	5800	5.0	5.0		µmhos/c	1	12/11/2017 12:45:35 PM	R47724
SM4500-H+B: PH							Analyst: JRR	
pH	10.1			*H	pH units	1	12/11/2017 12:45:35 PM	R47724

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified