MAGELLAN
MIDSTREAM PARTNERS, L.P.

December 13, 2017

Mr. Enoch Johnbull
Superfund Division (6SF-EO)
U.S. EPA Region 6
1445 Ross Avenue
Dallas, TX 75202-2733

RECEIVED
17 DEC 14 PM 1:47
SUPERFUND DIV.
DIRECTOR'S OFC.

RE: Clean Water Act, Section 308 Information Request
Oil Spill in McLennan County on or about March 11, 2015
NRC Report No: 1110355

Dear Mr. Johnbull,

On November 20, 2017, Magellan Pipeline Company, L.P. (Magellan) received the above referenced letter requesting information pertinent to carry out the United States Environmental Protection Agency's (EPA's) responsibility under the Clean Water Act (CWA) pursuant to Section 308 of the CWA 33 U.S.C. Section 1318 et seq. Provided below are Magellan's responses as requested relating to the pipeline release identified on March 11, 2015 in McLennan County, Texas.

Item 1. *A report regarding the spill of crude oil into a water body, which occurred on or about March 11, 2015. (If the name of the water body is not available, use the best description available.)*

Response:
The March 11, 2015 release was a refined products release. Please see the 30-day letter report dated April 21, 2015 and submitted to Texas Commission on Environmental Quality which is included as attachment A. As indicated on page 2 bullet #3, "An unnamed intermittent tributary [which is more accurately described as an ephemeral drainage] was affected by this incident. The unnamed tributary discharges into Tehuacana Creek which is located approximately 0.85 miles downstream of the release." Product did not reach Tehuacana Creek.

Item 2. *The amount of product spilled (in either barrels or gallons). For releases of mixtures, include the total volume and either volumes or relative percentages of each component. If any reported value is an estimate, describe method used to develop the estimate.*

Response:
Please see the attached United States Department of Transportation (USDOT) Pipeline and Hazardous Material Safety Administration (PHMSA) Form-F 7000.1 No. 20150133-21742 (page 1) and 20150132-21741 (page 14) both dated April 9, 2015 included as attachment B. The two identified sources associated with this release event were estimated by visual observation to consist of a total of 50 bbls (2100 gallons) of refined petroleum product (predominately non-ethanol gasoline). The attached 7000.1 reports reflect that approximately 40 bbls were recovered in total (both identified sources of the release).

Item 3. *Duration of the spill event. Report the time and date the spill began, how long the product remained in the watercourse, as well as on the shoreline or banks and when the cleanup operations were considered complete and all product removed from waters of the United States and adjoining shoreline.*

Response:
As indicated in the 30-day report, the release was identified on March 11, 2015, at 7:20 pm via routine aerial patrol (see page 2, bullet #2). Aerial patrol on March 5, 2015 revealed no such release. Upon discovery, Magellan immediately shut down the pipeline and began conducting a site assessment. On March 12, 2015, a local emergency response contractor, along with other necessary pipeline contractors, mobilized to the site to perform response and remediation efforts (see pages 3-4 of the 30-day report for detailed description of actions taken) which were completed on April 21, 2015.

Item 4. *The cause of the spill. Describe the general surface/rain water run off direction and pathways from the spill location.*

Response:
Two areas of corrosion were identified in this segment of pipe as indicated in the PHMSA Form-F 7000-1 reports. The first area is described as "a pinhole in the longitudinal seam" (page 26) and the second area as a "three through-wall pinhole external corrosion pits on a previously installed repair sleeve covering a dent" (page 13). The general surface/rain water run off directions and pathways from the spill location followed the unnamed ephemeral drainage feature to the east-southeast.

Item 5. *Name of the immediate receiving ditch, creek, stream, river, lake, arroyo, swale, etc. if known.*

A. Also include the names of all downstream receiving waters that the spill affected.
B. Additionally, list all downstream receiving water bodies to the first major river or lake, regardless of whether or not the spill affected the water bodies.

Response:
The receiving drainage feature is unnamed.

A. Other than the unnamed ephemeral drainage feature, no downstream receiving waters were affected by this spill.
B. Tehuacana Creek is located to the east of the spill site. An intermittent creek (Trading House Creek) is depicted as branching off to the east of the Tehuacana Creek. The Tehuacana Creek flows to the south to the Brazos River.

Item 6. *Site location map showing the coordinates (latitude and longitude) of both the start and end points of the spill.*

Response:
The spill originated: latitude 31° 32'49.2" N and longitude 97° 02' 15.7" W.
The end of the spill: latitude 31° 32' 42.20" N and longitude 97° 01' 53.33" W
These locations are depicted on the Site Location Map included as attachment C.

Item 7. *Drawing of the site showing locations of facilities.*

Response:
No facilities, other than the pipelines in the right-of-way, are located in proximity to the site (see Site Location Map in Attachment C). The closest aboveground structure is a residence located 1.03 miles east-northeast of the site.

Item 8. *Sketch of spill site showing extent of the spill and state the distance the spill travelled from the spill site.*

Response:
The spill travelled approximately 0.62 miles from the spill site (see Site Location Map in attachment C).

Item 9. *Photographs of the spill and the spill site both before and after cleanup.*

Response:
Photographs of the spill site, both before and after, are included in attachment D.

Item 10. *Documentation of any penalties assessed by local, state or federal agencies.*

Response:
No penalties have been levied with regards to this spill.

Item 11. *State the owner and operator of the equipment or facility which the spill originated and the classification of the facility (i.e. oil production; oil pipeline; oil transportation; oil pumping, etc.).*

Response:
Owner: Magellan Pipelines Holdings, L.P.
Operator: Magellan Pipeline Company, L.P.
Facility Classification: Refined Petroleum Product Pipeline

All information provided above and in the attached is fully and truthfully provided. Magellan has been advised that providing false, misleading or fraudulent statements or representations, may be subject to criminal penalties under Section 309 of the CWA. If additional information is required for your evaluation, please contact Heather Tittjung at 918-574-7068. The information listed above is respectfully submitted by the duly authorized official of Magellan Pipeline Company, L.P.

Sincerely,

Pat McKenzie
Director of Operations-Southern

Enclosures:

CC: Mrs. Heather V. Tittjung, Sr. Environmental Remediation Specialist, Magellan Midstream Partners, L.P.
Mr. Danny Scroggins, Senior Attorney, Legal - Ops Environ & HR, Magellan Midstream Partners, L.P.

ATTACHMENT A

ATTACHMENT A

30-Day Release Report dated April 21, 2015

zephyr

consulting ♦ training ♦ data systems

April 21, 2015

Mr. David Mann
Waste Section Manager
Texas Commission on Environmental Quality, Region 9
6801 Sanger Avenue, Suite 2500
Waco, TX 76710-7826

VIA: FedEX: 7734 2382 1820

RE: Hearne to Dallas 10" Pipeline, Milepost 55
Refined Product Release - March 11, 2015
SERC Report Number 20150808

Dear Mr. Mann:

On behalf of our client, Magellan Pipeline Company, L.P. (Magellan), Zephyr Environmental Corporation (Zephyr) is submitting the following information in regards to a pipeline system release. Magellan reported to the State Emergency Response Commission/Texas Commission on Environmental Quality (SERC/TCEQ) a refined product (gasoline/diesel) release on Wednesday, March 11, 2015. The release was located along the Hearne to Dallas 10" Pipeline segment, near pipeline milepost 55, east of Waco, McLennan County, TX. Subsequent verbal messages and updates were provided to the TCEQ Region 9 office in the following days due to changing site conditions. The following information is being provided in accordance with 30 TAC §327.3.

- **The name, address, and telephone number of the person making the telephone report.** Steve Moyer, Magellan's Environmental Specialist made the initial report with the SERC/TCEQ. The undersigned should be contacted for additional information. Contact information is as follows: Magellan Pipeline Company, L.P., One Williams Center, MD 27, Tulsa, OK 74172 or by telephone at 918-574-7040.
- **The date, time and location of the spill.** The release was identified on Wednesday, March 11, 2015 at approximately 07:20 p.m. The release was located along the Hearne to Dallas 10" Pipeline segment, near pipeline milepost 55, east of Waco, McLennan County, TX. An area map is included as Figure 1.
- **A specific description or identification of the substance spilled.** The material that was spilled was refined product, consisting of gasoline and diesel.

- **An estimate of the quantity spilled.** An estimate of 2,100 gallons was released below ground. An estimated 34 gallons of liquid was recovered during initial recovery and response efforts.
- **The duration of the incident.** Routine aerial patrol inspections are performed along pipeline right-of-ways. On March 11, 2015, an aerial patrol noted a potential oil sheen on standing stormwater within an agriculture field. Thereafter, three pipeline companies responded, who all operated petroleum pipelines in the immediate area. Each company immediately closed the proper valves to isolate the suspect piping. Ultimately, after excavating a portion of the pipeline, Magellan confirmed the product was originating from their pipeline.
- **The name of the surface water or a description of the waters in the state affected or threatened by the spill.** An unnamed intermittent tributary was affected by this incident. This tributary discharges into Tehuacana Creek which is approximately 0.85 miles downstream of the release. Several observations were performed along Tehuacana Creek in the days following the release and no visible sheen was detected. As a preventative measure, containment boom was installed in Tehuacana Creek.
- **The source of the spill.** Metallurgical testing has not been completed at this time; however, it is expected that corrosion on the pipeline will be the source/cause of the spill.
- **A description of the extent of actual or potential water pollution or harmful impacts to the environment and an identification of any environmentally sensitive areas or natural resources at risk.** Based on initial investigation, the release appears to have impacted both soil and groundwater in the immediate release area which is approximately 75 ft W X 105 ft L. Groundwater was identified at approximately 16-ft below ground surface. In addition, the release resulted in minimal impacts to an intermittent drainage feature downstream of the release area; however, this area has been remediated, – thus no long term impacts are expected with the drainage feature. There were no sensitive areas or natural resources at risk due to this incident.
- **The names, addresses, and telephone numbers of the responsible person and the contact person at the location of the spill.** Magellan is the responsible party and can be contacted at: One Williams Center, MD 27 Tulsa, OK 74172 or by telephone at 918-574-7040. Mr. Steve Moyer is the area Environmental Specialist and can be contacted at the above address or by telephone at 918-574-7040.
- **A description of any actions that have been taken, are being taken, and will be taken to contain and respond to the spill.** Upon discovery of the initially reported oil sheen, Magellan immediately shut down the pipeline and isolated (via closing upstream and downstream valves) the suspect piping. On March 12, 2015, ES&H, a local emergency response contractor, along with other necessary pipeline contractors, mobilized to the site to assist in remedial and repair efforts. Response efforts were performed in generally two areas – the Release Site and the Drainage Feature. The

following provides detailed information regarding the response actions, remedial efforts, and confirmation sampling for each of these two areas.

1) Release Site

Over the course of the next two days, approximately 635 cubic yards of impacted soils were removed from the immediate area around the release location near the pipeline. Due to safety concerns and inclement weather conditions, the affected soils were placed back into the excavation and covered with plastic. Due to several factors, including but not limited to, weather and access issues to the site, the re-excavation and offsite disposal of this material was delayed until Tuesday, April 14, 2015.

The activities consisted of:

- removing the previously excavated soils in the immediate area of the release,
- removing additional affected soils in the immediate area, and
- then transporting the excavated soils to an approved offsite disposal location.

On Wednesday, April 16, 2015, two soil samples were collected from the bottom of the excavation. The analytical results for these samples have not yet been received; however, it is believed that petroleum products remain in the soil. Based on this information, additional investigations for this area will be performed in accordance with the Texas Risk Reduction Program (TRRP) sampling and analytical protocols under the TRRP rules in 30 TAC §350.

2) Drainage Feature

An intermittent drainage feature located down gradient and adjacent to the release site was identified to have oil sheen; therefore, two temporary underflow dams were constructed to hold back water. Additionally, several hard and absorbent booms were placed throughout the drainage way as a best management practice. Figure 2 depicts the boom locations.

On Monday, March 16, 2015 Magellan began managing the affected water from the drainage feature. Then on Tuesday, March 24, 2015, Magellan mobilized a second contractor onsite to continue managing the affected water and soil in the drainage feature. Magellan obtained a TCEQ General Permit (TXG830525), to treat and discharge the affected waters onsite. Water from several ponded areas along the drainage ditch was removed and discharged through carbon filtration prior to discharging back onsite. After the water was removed, soils within these ponded areas, in addition to some other visually impacted areas along the drainage ditch, were excavated. Figure 3 presents these excavated areas in yellow along the drainage feature. The remedial efforts resulted in excavating approximately 650 cubic yards of impacted soil along the drainage feature which was temporarily placed

onto plastic sheeting and covered onsite. Offsite disposal efforts began Tuesday, April 14, 2015 and were completed Friday, April 17, 2015.

Twenty-Three soil samples (IS1- IS-23) were collected at 100' intervals along the drainage feature in areas presumed to be non-affected and they were analyzed for total petroleum hydrocarbons (TPH) and benzene, toluene, ethylbenzene, and xylenes (BTEX). The analytical results for two of these areas (IS-11 & IS-15) had concentrations of TPH above the reporting limit; therefore, TPH impacted soils were excavated from these locations and confirmation sampling was performed which indicated the areas were remediated. In addition, nine locations (IS-13 through- IS-19, IS-22 & IS-23) had very low concentrations of toluene above the reporting limit. Upon review of the analytical data with the lab, it was determined that the concentrations were most likely due to lab contamination when their building was getting a new roof. Notwithstanding the above, Magellan excavated five of the locations (IS-13, IS-15 through IS-18) as part of the drainage feature excavations and the remaining four non-excavated areas have been re-sampled and confirmation analytical results are pending analysis.

For those "ponded" areas where water and soils were removed, confirmation samples were collected and analyzed for the same constituents as stated above, TPH and BTEX. The results in these efforts indicate the excavated portions of the drainage ditch have been fully remediated and no further action is required. Figure 3 presents the excavated areas in yellow and identifies the drainage feature sampling locations and the associated analytical results are provided in the attached Table 1.

All soil samples collected during this project were analyzed by ALS Laboratories in Houston, TX and have been attached to this report. Sampling activities were performed in accordance with the US EPA sampling protocols found in "Test Methods for Evaluating Solid Waste, Physical/Chemical" (SW-846), Third edition, USEPA.

- **Any known or anticipated health risks.** There are no known or anticipated health risks associated with this incident.
- **The identity of any governmental representatives, including local authorities or third parties, responding to the spill.** TCEQ Region 9 personnel performed multiple site visits during the initial response efforts. In addition, Mr. David Mann, also with TCEQ Region 9, was informed routinely with updates regarding site condition and response activities by Magellan personnel.

Disposition of Waste

Analytical results of the affected material indicated that the soil removed from near the actual release site was non-hazardous, Class 1 waste, and analytical results of the affected material from the downstream drainage ditch was non-hazardous, Class 2 waste.

Approximately 1,505 cubic yards of Class 1 material was transported and disposed of in the Republic Waste Services, Itasca Landfill. Approximately 665 cubic yards of Class 2 material was transported and disposed of in the Waste Management, Lacy Lakeview Landfill in Waco, TX. As required, once Magellan receives the signed manifest from each of the respective landfills, Magellan will submit them to the TCEQ.

Conclusions

Based upon the analytical results for sampling analyses provided in this report, Magellan has determined the following:

Release Site

The initial response actions were not successful in the removal of all affected soils immediately adjacent to the release site and that further assessment will be required in order to identify the extent of impacted media. The additional investigations will be performed in accordance with the Texas Risk Reduction Program (TRRP) sampling and analytical protocols under the TRRP rules in 30 TAC §350.

Drainage Feature

In regards to the drainage feature that was affected, Magellan believes that remedial efforts have successfully removed the affected soils and confirmation sampling will confirm the removal of contaminants. Therefore, no further action is required for this area.

Should you have any questions or need additional information, please contact me at 281-668-7358 or via email at jblackmore@zephyrenv.com or Steve Moyer at 918-574-7040 or email steve.moyer@magellanlp.com.

Sincerely,
Zephyr Environmental

Jeff Blackmore
Principal

Attachments: Figures 1, 2 and 3
Table 1

cc: Steve Moyer, Magellan Pipeline Company, L.P.

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FIGURES

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FIGURE 1

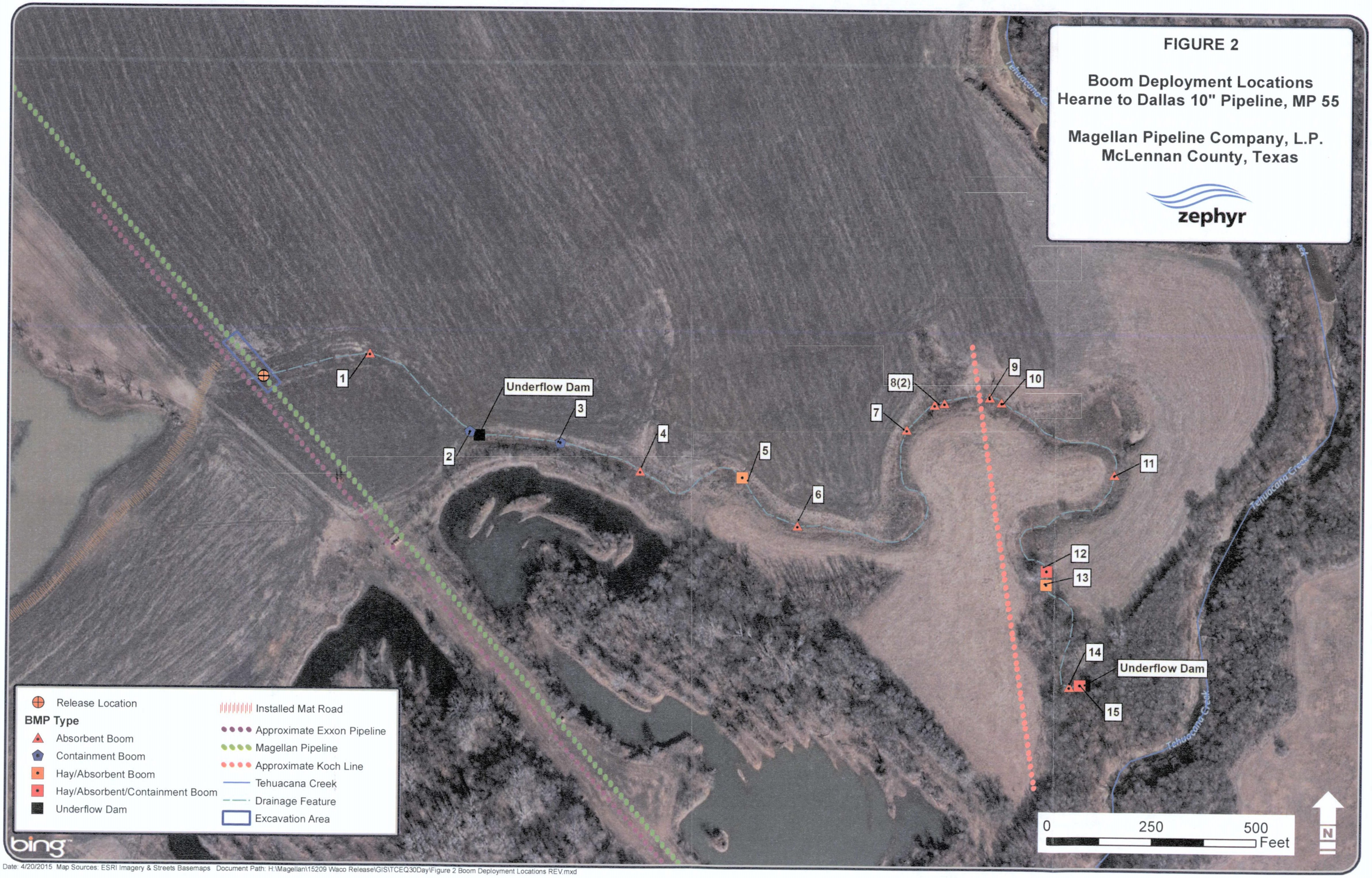
Area Map
Hearne to Dallas10" Pipeline, MP 55

Magellan Pipeline Company, L.P.
McLennan County, Texas

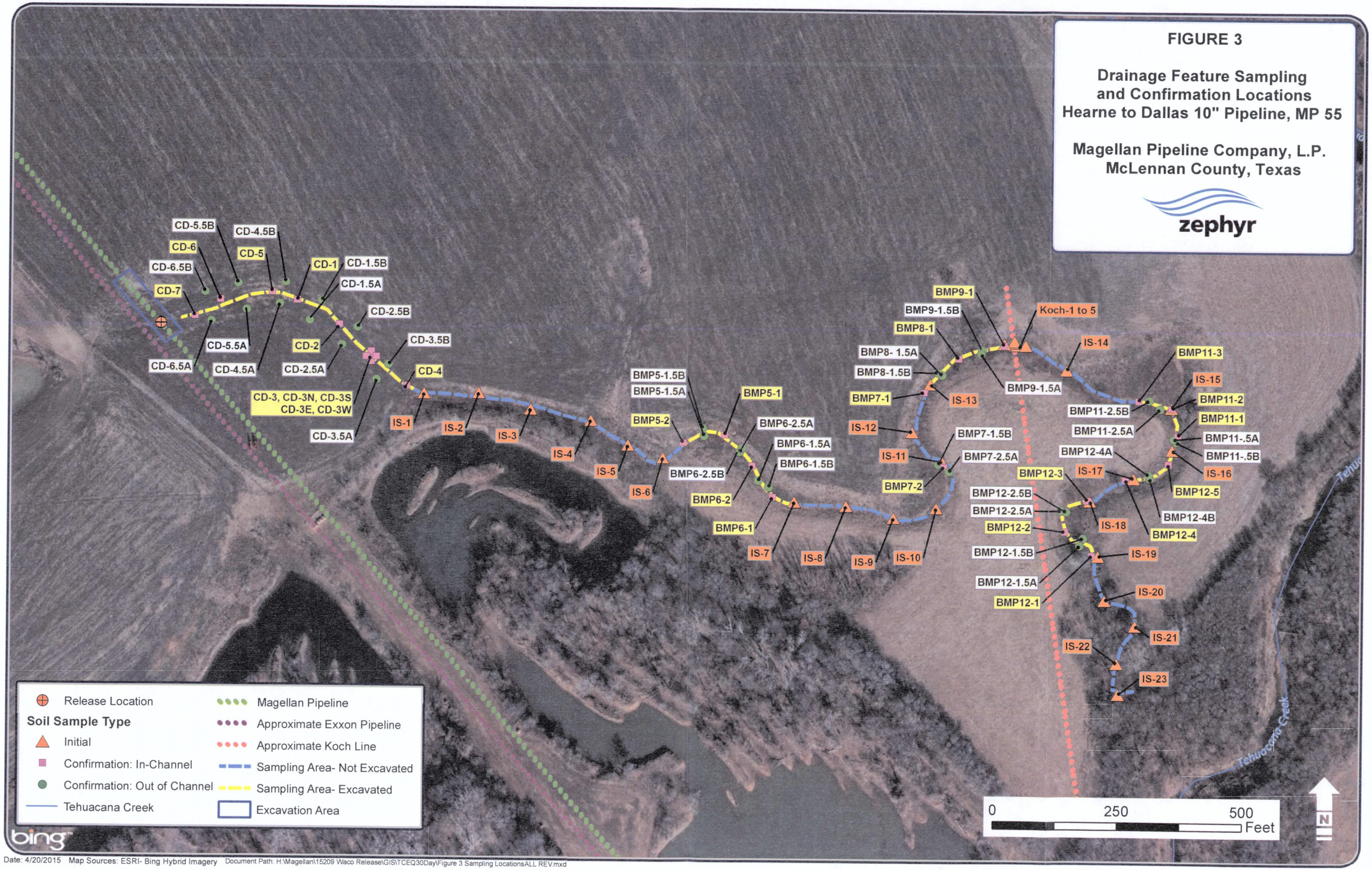
zephyr

Release Location
Magellan Pipeline

Data Sources: ESRI- World Imagery & Topography Basemaps;
Datum: GCS WGS 1984
Date: 4/20/2015



Date: 4/20/2015 Map Sources: ESRI Imagery & Streets Basemaps Document Path: H:\Magellan\15209 Waco Release\GIS\TCEQ30Day\Figure 2 Boom Deployment Locations REV.mxd



Date: 4/20/2015 Map Sources: ESRI- Bing Hybrid Imagery Document Path: H:\Magellan\15209 Waco Release\GIS\TCEQ30Day\Figure 3 Sampling LocationsALL REV.mxd

TABLE 1

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Table 1
Laboratory Analytical Test Results
Hearne to Dallas Pipeline MP 55
Magellan Pipeline Company L P

SAMPLE ID	Units	Matrix	Benzene	Ethylbenzene	Toluene	m p Xylene	o Xylene	Total Xylenes	C6 to C12	C12 to C28	C28 to C35	TOTAL TPH
Intermittent Stream Samples												
IS-1	mg/Kg	Soil	<0 001	<0 001	<0 001			<0 0030	<50	<50	<50	<50
IS-2	mg/Kg	Soil	<0 001	<0 001	<0 001			<0 0030	<49	<49	<49	<49
IS-3	mg/Kg	Soil	<0 001	<0 001	<0 001			<0 0030	<49	<49	<49	<49
IS-4	mg/Kg	Soil	<0 001	<0 001	<0 001			<0 0030	<50	<50	<50	<50
IS-5	mg/Kg	Soil	<0 0050	<0 0050	<0 0050	<0 010	<0 0050	<0 010	<50	<50	<50	<50
IS-6	mg/Kg	Soil	<0 0050	<0 0050	<0 0050	<0 010	<0 0050	<0 010	<49	<49	<49	<49
IS-7	mg/Kg	Soil	<0 0050	<0 0050	<0 0050	<0 010	<0 0050	<0 010	<50	<50	<50	<50
IS-8	mg/Kg	Soil	<0 0050	<0 0050	<0 0050	<0 010	<0 0050	<0 010	<49	<49	<49	<49
IS-9	mg/Kg	Soil	<0 0050	<0 0050	<0 0050	<0 010	<0 0050	<0 010	<50	<50	<50	<50
IS-10	mg/Kg	Soil	<0 0050	<0 0050	<0 0050	<0 010	<0 0050	<0 010	<50	<50	<50	<50
IS-11	mg/Kg	Soil	<0 0050	<0 0050	<0 0050	<0 010	<0 0050	<0 010	<50	320	<50	320
IS-12	mg/Kg	Soil	<0 0050	<0 0050	<0 0050	<0 010	<0 0050	<0 010	<50	<50	<50	<50
IS-13	mg/Kg	Soil	<0 0050	<0 0050	0 0053	<0 010	<0 0050	<0 010	<50	<50	<50	<50
IS-14	mg/Kg	Soil	<0 0050	<0 0050	0 0120	<0 010	<0 0050	<0 010	<49	<49	<49	<49
IS-15	mg/Kg	Soil	<0 0050	<0 0050	0 0050	<0 010	<0 0050	<0 010	<50	77	<50	77
IS-16	mg/Kg	Soil	<0 0050	<0 0050	0 0051	<0 010	<0 0050	<0 010	<50	<50	<50	<50
IS-17	mg/Kg	Soil	<0 0050	<0 0050	0 0060	<0 010	<0 0050	<0 010	<50	<50	<50	<50
IS-18	mg/Kg	Soil	<0 0050	<0 0050	0 0063	<0 010	<0 0050	<0 010	<49	<49	<49	<49
IS-19	mg/Kg	Soil	<0 0050	<0 0050	0 0060	<0 010	<0 0050	<0 010	<50	<50	<50	<50
IS-20	mg/Kg	Soil	<0 0050	<0 0050	<0 0050	<0 010	<0 0050	<0 010	<50	<50	<50	<50
IS-21	mg/Kg	Soil	<0 0050	<0 0050	<0 0050	<0 010	<0 0050	<0 010	<50	<50	<50	<50
IS-22	mg/Kg	Soil	<0 0050	<0 0050	0 0060	<0 010	<0 0050	<0 010	<50	<50	<50	<50
IS-23	mg/Kg	Soil	<0 0050	<0 0050	0 0062	<0 010	<0 0050	<0 010	<50	<50	<50	<50
KOCH 1	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
KOCH 2	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
KOCH 3	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
KOCH-4	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
KOCH 5	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50

Table 1
Laboratory Analytical Test Results
Hearne to Dallas Pipeline MP 55
Magellan Pipeline Company L P

SAMPLE ID	Units	Matrix	Benzene	Ethylbenzene	Toluene	m p Xylene	o Xylene	Total Xylenes	C6 to C12	C12 to C28	C28 to C35	TOTAL TPH
Confirmation Dig Samples												
CD-1	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-1 5A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-1 5B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-2	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-2 5A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<49	<49	<49	<49
CD-2 5B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-3	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	63	<50	63
CD-3N	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-3E	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-3S	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-3W	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-3 5A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<49	<49	<49	<49
CD-3 5B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-4	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-4 5A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-4 5B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<49	<49	<49	<49
CD-5	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-5 5A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-5 5B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-6	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<49	<49	<49	<49
CD-6 5A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-6 5B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
CD-7	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 12 1	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 12 1 5A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 12 1 5B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 12 2	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 12 2 5A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<49	<49	<49	<49
BMP 12 2 5B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 12 3	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 12-4	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50

Table 1
Laboratory Analytical Test Results
Hearne to Dallas Pipeline MP 55
Magellan Pipeline Company L P

SAMPLE ID	Units	Matrix	Benzene	Ethylbenzene	Toluene	m p Xylene	o Xylene	Total Xylenes	C6 to C12	C12 to C28	C28 to C35	TOTAL TPH
Confirmation Dig Samples Cont												
BMP 12-4B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 12-4A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 12 5	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 11 5B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 11 5A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 11 1	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 11 2	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 11 2 5A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 11 2 5B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 11 3	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 9-1	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 9-1 5B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 9-1 5A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 8-1	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 8-1 5A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 8-1 5B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 7 1	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 7 1 5B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 7 2	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 7 2 5A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 6-1	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 6 1 5B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 6-1 5A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 6 2	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 6-2 5B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 6-2 5A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 5 1	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 5 1 5B	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 1 5A	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50
BMP 5 2	mg/Kg	Soil	<0 005	<0 005	<0 005	<0 01	<0 005	<0 01	<50	<50	<50	<50

ANALYTICAL DATA

zephyr

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March 26, 2015

Steve Moyer
Magellan Midstream Partners, LP
One Williams Center
Mail Drop 27
Tulsa, OK 74172

Work Order: **HS15030882**

Laboratory Results for **Hearne Pipeline, M.P. 55**

Dear Steve,

ALS Environmental received 4 sample(s) on Mar 25, 2015 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Sonia West

Generated By: Jumoke.Lawal
Sonia West
Project Manager

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, M.P. 55
Work Order: HS15030882

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS15030882-01	IS-1	Soil		24-Mar-2015 15 25	25-Mar-2015 09 20	☐
HS15030882-02	IS-2	Soil		24-Mar-2015 15 28	25-Mar-2015 09.20	☐
HS15030882-03	IS-3	Soil		24-Mar-2015 15 31	25-Mar-2015 09.20	☐
HS15030882-04	IS-4	Soil		24-Mar-2015 15 35	25-Mar-2015 09 20	☐

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, M.P. 55
Work Order: HS15030882

CASE NARRATIVE

GC Semivolatiles by Method TX1005

Batch ID: 91725

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

GC Volatiles by Method SW8021B

Batch ID: R251662

Sample ID **IS-1 (HS15030882-01)**
- MS/MSD spike recovery outside laboratory control limits.

Sample ID: **IS-1 (HS15030882-01MSD)**
- The RPD between the MS and MSD was outside of the control limit.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne Pipeline, M.P. 55	WorkOrder:HS15030882
Sample ID:	IS-1	Lab ID:HS15030882-01
Collection Date:	24-Mar-2015 15:25	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
BTEX BY SW8021B		**Method:SW8021B**					Analyst: SFE
Benzene		U	0.00040	0.0010	mg/Kg	1	25-Mar-2015 16:46
Toluene		U	0.00050	0.0010	mg/Kg	1	25-Mar-2015 16:46
Ethylbenzene		U	0.00050	0.0010	mg/Kg	1	25-Mar-2015 16:46
Xylenes, Total		U	0.00040	0.0030	mg/Kg	1	25-Mar-2015 16:46
Surr: 4-Bromofluorobenzene	*100*			*75-131*	*%REC*	*1*	*25-Mar-2015 16:46*
Surr: Trifluorotoluene	*123*			*73-130*	*%REC*	*1*	*25-Mar-2015 16:46*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep:TX1005PR / 25-Mar-2015		Analyst: JKP
nC6 to nC12		U	9.9	50	mg/Kg	1	26-Mar-2015 23:02
>nC12 to nC28		U	9.9	50	mg/Kg	1	26-Mar-2015 23:02
>nC28 to nC35		U	9.9	50	mg/Kg	1	26-Mar-2015 23:02
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	26-Mar-2015 23:02
Surr: 2-Fluorobiphenyl	*89.8*			*70-130*	*%REC*	*1*	*26-Mar-2015 23:02*
Surr: Trifluoromethyl benzene	*83.1*			*70-130*	*%REC*	*1*	*26-Mar-2015 23:02*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne Pipeline, M.P. 55	WorkOrder HS15030882
Sample ID:	IS-2	Lab ID:HS15030882-02
Collection Date:	24-Mar-2015 15.28	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
BTEX BY SW8021B		**Method:SW8021B**					**Analyst: SFE**
Benzene		U	0.00040	0.0010	mg/Kg	1	25-Mar-2015 17 52
Toluene		U	0.00050	0.0010	mg/Kg	1	25-Mar-2015 17 52
Ethylbenzene		U	0.00050	0.0010	mg/Kg	1	25-Mar-2015 17 52
Xylenes, Total		U	0.00040	0.0030	mg/Kg	1	25-Mar-2015 17 52
Surr 4-Bromofluorobenzene	*98 3*			*75-131*	*%REC*	*1*	*25-Mar-2015 17 52*
Surr Trifluorotoluene	*109*			*73-130*	*%REC*	*1*	*25-Mar-2015 17 52*
TEXAS TPH BY TX1005		**Method:TX1005**			**Prep.TX1005PR / 25-Mar-2015**		**Analyst: JKP**
nC6 to nC12		U	9.9	49	mg/Kg	1	26-Mar-2015 23 31
>nC12 to nC28		U	9.9	49	mg/Kg	1	26-Mar-2015 23 31
>nC28 to nC35		U	9.9	49	mg/Kg	1	26-Mar-2015 23 31
Total Petroleum Hydrocarbon		U	9.9	49	mg/Kg	1	26-Mar-2015 23 31
Surr 2-Fluorobiphenyl	*92 3*			*70-130*	*%REC*	*1*	*26-Mar-2015 23 31*
Surr Trifluoromethyl benzene	*84 8*			*70-130*	*%REC*	*1*	*26-Mar-2015 23 31*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne Pipeline, M.P. 55	WorkOrder HS15030882
Sample ID.	IS-3	Lab ID HS15030882-03
Collection Date:	24-Mar-2015 15:31	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
BTEX BY SW8021B		**Method:SW8021B**					Analyst: SFE
Benzene		U	0 00040	0.0010	mg/Kg	1	25-Mar-2015 18 14
Toluene		U	0.00050	0.0010	mg/Kg	1	25-Mar-2015 18 14
Ethylbenzene		U	0.00050	0.0010	mg/Kg	1	25-Mar-2015 18 14
Xylenes, Total		U	0.00040	0.0030	mg/Kg	1	25-Mar-2015 18 14
Surr 4-Bromofluorobenzene	*92 8*			*75-131*	*%REC*	*1*	*25-Mar-2015 18 14*
Surr Trifluorotoluene	*104*			*73-130*	*%REC*	*1*	*25-Mar-2015 18 14*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 25-Mar-2015		Analyst: JKP
nC6 to nC12		U	9 9	49	mg/Kg	1	26-Mar-2015 00 00
>nC12 to nC28		U	9.9	49	mg/Kg	1	26-Mar-2015 00 00
>nC28 to nC35		U	9 9	49	mg/Kg	1	26-Mar-2015 00 00
Total Petroleum Hydrocarbon		U	9.9	49	mg/Kg	1	26-Mar-2015 00 00
Surr 2-Fluorobiphenyl	*90 9*			*70-130*	*%REC*	*1*	*26-Mar-2015 00 00*
Surr Trifluoromethyl benzene	*83 8*			*70-130*	*%REC*	*1*	*26-Mar-2015 00 00*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne Pipeline, M.P. 55	WorkOrder HS15030882
Sample ID	IS-4	Lab ID:HS15030882-04
Collection Date	24-Mar-2015 15:35	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
BTEX BY SW8021B		**Method:SW8021B**					Analyst. SFE
Benzene		U	0 00040	0 0010	mg/Kg	1	25-Mar-2015 18 36
Toluene		U	0.00050	0 0010	mg/Kg	1	25-Mar-2015 18 36
Ethylbenzene		U	0.00050	0.0010	mg/Kg	1	25-Mar-2015 18 36
Xylenes, Total		U	0.00040	0.0030	mg/Kg	1	25-Mar-2015 18 36
Surr 4-Bromofluorobenzene	*92 9*			*75-131*	*%REC*	*1*	*25-Mar-2015 18 36*
Surr Trifluorotoluene	*100*			*73-130*	*%REC*	*1*	*25-Mar-2015 18 36*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 25-Mar-2015		Analyst: JKP
nC6 to nC12		U	9 9	50	mg/Kg	1	26-Mar-2015 00 29
>nC12 to nC28		U	9.9	50	mg/Kg	1	26-Mar-2015 00 29
>nC28 to nC35		U	9 9	50	mg/Kg	1	26-Mar-2015 00 29
Total Petroleum Hydrocarbon		U	9 9	50	mg/Kg	1	26-Mar-2015 00 29
Surr 2-Fluorobiphenyl	*95 9*			*70-130*	*%REC*	*1*	*26-Mar-2015 00 29*
Surr Trifluoromethyl benzene	*86 1*			*70-130*	*%REC*	*1*	*26-Mar-2015 00 29*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, M.P. 55
WorkOrder: HS15030882

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID 91725		**Test Name :** TEXAS TPH BY TX1005		**Matrix:** Soil		
HS15030882-01	IS-1	24 Mar 2015 15 25		25 Mar 2015 11 02	26 Mar 2015 23 02	1
HS15030882-02	IS-2	24 Mar 2015 15 28		25 Mar 2015 11 02	26 Mar 2015 23 31	1
HS15030882-03	IS-3	24 Mar 2015 15 31		25 Mar 2015 11.02	26 Mar 2015 00 00	1
HS15030882-04	IS-4	24 Mar 2015 15 35		25 Mar 2015 11 02	26 Mar 2015 00 29	1
Batch ID R251662		**Test Name :** BTEX BY SW8021B		**Matrix:** Soil		
HS15030882-01	IS-1	24 Mar 2015 15 25			25 Mar 2015 16 46	1
HS15030882-02	IS-2	24 Mar 2015 15 28			25 Mar 2015 17 52	1
HS15030882-03	IS-3	24 Mar 2015 15 31			25 Mar 2015 18 14	1
HS15030882-04	IS-4	24 Mar 2015 15.35			25 Mar 2015 18 36	1

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, M.P. 55
WorkOrder: HS15030882

QC BATCH REPORT

Batch ID: 91725 **Instrument: FID-11** **Method: TX1005**

MBLK Sample ID **MBLK-91725** Units: **mg/Kg** Analysis Date. **25-Mar-2015 18:13**
Client ID Run ID **FID-11_251674** SeqNo **3223963** PrepDate **25-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	U	50								
>nC12 to nC28	U	50								
>nC28 to nC35	U	50								
Total Petroleum Hydrocarbon	U	50								
Surr 2-Fluorobiphenyl	*23 28*	*0*	*25*	*0*	*93 1*	*70 - 130*				
Surr Trifluoromethyl benzene	*21 54*	*0*	*25*	*0*	*86 2*	*70 - 130*				

LCS Sample ID **LCS-91725** Units **mg/Kg** Analysis Date **25-Mar-2015 18:42**
Client ID Run ID **FID-11_251674** SeqNo **3223964** PrepDate **25-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	215.9	50	250	0	86 3	75 - 125				
>nC12 to nC28	235.3	50	250	0	94.1	75 - 125				
Surr 2-Fluorobiphenyl	*27 74*	*0*	*25*	*0*	*111*	*70 - 130*				
Surr Trifluoromethyl benzene	*22 25*	*0*	*25*	*0*	*89 0*	*70 - 130*				

LCSD Sample ID **LCSD-91725** Units **mg/Kg** Analysis Date **25-Mar-2015 19:11**
Client ID Run ID **FID-11_251674** SeqNo **3223965** PrepDate **25-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	215.4	50	250	0	86.2	75 - 125	215.9	0.195	20	
>nC12 to nC28	227.4	50	250	0	90.9	75 - 125	235.3	3.44	20	
Surr 2-Fluorobiphenyl	*27 64*	*0*	*25*	*0*	*111*	*70 - 130*	*27 74*	*0 346*	*20*	
Surr Trifluoromethyl benzene	*22 28*	*0*	*25*	*0*	*89 1*	*70 - 130*	*22 25*	*0 122*	*20*	

MS Sample ID **HS15030859-01MS** Units **mg/Kg** Analysis Date **25-Mar-2015 21:06**
Client ID Run ID **FID-11_251674** SeqNo: **3223969** PrepDate **25-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	238.7	50	249.5	0	95.7	75 - 125				
>nC12 to nC28	225	50	249.5	0	90.2	75 - 125				
Surr 2-Fluorobiphenyl	*27 39*	*0*	*24 95*	*0*	*110*	*70 - 130*				
Surr Trifluoromethyl benzene	*25 23*	*0*	*24 95*	*0*	*101*	*70 - 130*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, M.P. 55
WorkOrder: HS15030882

QC BATCH REPORT

Batch ID: 91725 **Instrument: FID-11** **Method: TX1005**

MSD Sample ID **HS15030859-01MSD** Units **mg/Kg** Analysis Date **25-Mar-2015 21:35**
Client ID Run ID **FID-11_251674** SeqNo **3223970** PrepDate **25-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	222 8	50	249	0	89.5	75 - 125	238.7	6 88	20	
>nC12 to nC28	238 8	50	249	0	95 9	75 - 125	225	5 97	20	
Surr 2-Fluorobiphenyl	*31 86*	*0*	*24 9*	*0*	*128*	*70 - 130*	*27 39*	*15 1*	*20*	
Surr Trifluoromethyl benzene	*24 23*	*0*	*24 9*	*0*	*97 3*	*70 - 130*	*25 23*	*4 04*	*20*	

The following samples were anayzed in this batch: HS15030882-01 HS15030882-02 HS15030882-03 HS15030882-04

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, M.P. 55
WorkOrder: HS15030882

QC BATCH REPORT

Batch ID: R251662 **Instrument:** BTEX5 **Method:** SW8021B

MBLK Sample ID **BBLK-032515** Units **ug/Kg** Analysis Date **25-Mar-2015 15:23**
Client ID Run ID **BTEX5_251662** SeqNo **3223770** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Xylenes, Total	U	3.0								
Surr 4-Bromofluorobenzene	*27 59*	*1 0*	*30*	*0*	*92 0*	*75 - 131*				
Surr Trifluorotoluene	*34 02*	*1 0*	*30*	*0*	*113*	*73 - 130*				

LCS Sample ID **BLCS-032515** Units **ug/Kg** Analysis Date **25-Mar-2015 14:39**
Client ID Run ID **BTEX5_251662** SeqNo **3223768** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19 39	1 0	20	0	96 9	74 - 129				
Toluene	21 05	1.0	20	0	105	75 - 128				
Ethylbenzene	21 99	1.0	20	0	110	73 - 127				
Xylenes, Total	65 89	3.0	60	0	110	74 - 127				
Surr 4-Bromofluorobenzene	*31 41*	*1 0*	*30*	*0*	*105*	*75 - 131*				
Surr Trifluorotoluene	*29 23*	*1 0*	*30*	*0*	*97 4*	*73 - 130*				

MS Sample ID **HS15030882-01MS** Units **ug/Kg** Analysis Date **25-Mar-2015 17:08**
Client ID **IS-1** Run ID **BTEX5_251662** SeqNo **3223772** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	8.865	1.0	20	0	44.3	74 - 129				S
Toluene	9.95	1.0	20	0	49 8	75 - 128				S
Ethylbenzene	10.54	1.0	20	0	52.7	73 - 127				S
Xylenes, Total	26.75	3 0	60	0	44.6	74 - 127				S
Surr 4-Bromofluorobenzene	*32 38*	*1 0*	*30*	*0*	*108*	*75 - 131*				
Surr Trifluorotoluene	*32 06*	*1 0*	*30*	*0*	*107*	*73 - 130*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: . Magellan Midstream Partners, LP
Project: Hearne Pipeline, M.P. 55
WorkOrder: HS15030882

QC BATCH REPORT

Batch ID: R251662 **Instrument:** BTEX5 **Method:** SW8021B

MSD Sample ID **HS15030882-01MSD** Units **ug/Kg** Analysis Date **25-Mar-2015 17:30**
Client ID **IS-1** Run ID **BTEX5_251662** SeqNo **3223773** PrepDate DF. **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	12 08	1.0	20	0	60 4	74 - 129	8.865	30 7	30	SR
Toluene	12 02	1 0	20	0	60 1	75 - 128	9.95	18 9	30	S
Ethylbenzene	13.93	1.0	20	0	69 6	73 - 127	10.54	27 7	30	S
Xylenes, Total	34.74	3 0	60	0	57.9	74 - 127	26.75	26	30	S
Surr 4-Bromofluorobenzene	*31 72*	*1 0*	*30*	*0*	*106*	*75 - 131*	*32 38*	*2 06*	*30*	
Surr Trifluorotoluene	*31 09*	*1 0*	*30*	*0*	*104*	*73 - 130*	*32 06*	*3 06*	*30*	

The following samples were anayzed in this batch: HS15030882-01 HS15030882-02 HS15030882-03 HS15030882-04

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, M.P. 55
WorkOrder: **HS15030882**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/Kg	Milligrams per Kilogram

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	14-025-0	27-Mar-2015
Arkansas	15-024-0	27-Mar-2016
California	2919	31-Jul-2016
Dept of Defense	L2231 Rev 3-20-2014	22-Dec-2015
Illinois	003403	09-May-2015
Kansas	E-10352 2014-2015	31-Jul-2015
Kentucky	KY 2014-2015	30-Apr-2015
Louisiana	03087 2014/2015	30-Jun-2015
North Carolina	624 - 2015	31-Dec-2015
North Dakota	R-193 2025	30-Apr-2015
Oklahoma	2014-128	31-Aug-2015
Texas	T104704231-14-14	30-Apr-2015

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, M.P. 55
Work Order: HS15030882

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS15030882-01	IS-1	Login	3/25/2015 10 56 57 AM	PMG	BTEX B1
HS15030882-02	IS-2	Login	3/25/2015 11 01 36 AM	PMG	BTEX B1
HS15030882-03	IS-3	Login	3/25/2015 11 01 36 AM	PMG	BTEX B1
HS15030882-04	IS-4	Login	3/25/2015 11 01 36 AM	PMG	BTEX B1

ALS Group USA, Corp Date 26-Mar-15

Sample Receipt Checklist

Client Name	MAGELLAN-TULSA	Date/Time Received	25-Mar-2015 09:20
Work Order:	HS15030882	Received by	BHH

Checklist completed by	*Paresh M Giga* eSignature	25-Mar-2015 Date	Reviewed by	*Sonia West* eSignature	25-Mar-2015 Date

Matrices **Soil** Carrier name **FedEx**

	Yes	No	Not Present
Shipping container/cooler in good condition?	☑	☐	☐
Custody seals intact on shipping container/cooler?	☑	☐	☐
Custody seals intact on sample bottles?	☐	☐	☑
Chain of custody present?	☑	☐	
Chain of custody signed when relinquished and received?	☑	☐	
Chain of custody agrees with sample labels?	☑	☐	
Samples in proper container/bottle?	☐	☑	
Sample containers intact?	☑	☐	
Sufficient sample volume for indicated test?	☑	☐	
All samples received within holding time?	☑	☐	
Container/Temp Blank temperature in compliance?	☑	☐	

Temperature(s)/Thermometer(s)	2.4c/2.4c c/U	IR1
Cooler(s)/Kit(s)	5720	
Date/Time sample(s) sent to storage	3/25/15 11 10	

	Yes	No	
Water - VOA vials have zero headspace?	☐	☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	☐	☐	N/A ☑
pH adjusted?	☐	☑	N/A ☐

pH adjusted by

Login Notes

Client Contacted Date Contacted Person Contacted

Contacted By 0 Regarding

Comments

Corrective Action

ALS Environmental

Cincinnati, OH +1 513 733 5336
Everett, WA +1 425 356 2600
Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 22052

HS15030882

Magellan Midstream Partners, LP
Hearne Pipeline, MPSS

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	HEARNE Pipeline, MPSS	A	TPH - TX 1005
Work Order		Project Number		B	BTEX - 8021
Company Name	Magellan Pipeline Company	Bill To Company	Magellan	C	
Send Report To	Steve Moyer	Invoice Attn		D	
Address	One Williams Center	Address		E	
				F	
City/State/Zip	Tulsa, OK 74172	City/State/Zip		G	
Phone	918-~~88~~574-7040	Phone		H	
Fax		Fax		I	
e-Mail Address	steve.moyer@magellanlp.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	IS-1	3/24	15:25	Soil	8	1	X	X									
2	IS-2	3/24	15:28	"	8	1	X	X									
3	IS-3	3/24	15:31	"	8	1	X	X									
4	IS-4	3/24	15:35	"	8	1	X	X									
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: [signature]

Shipment Method: Fedex

Required Turnaround Time: (Check Box) ☐ Other ____ ☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☒ 24 Hour

Results Due Date:

Relinquished by: [signature]	Date: 3/24/15	Time: 18.00	Received by:	Notes:
Relinquished by: [signature]	Date: 3/25/15	Time: 0920	Received by (Laboratory): [signature]	Cooler ID: 5720 / Cooler Temp: 2.4°
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

QC Package: (Check One Box Below)
☐ Level II Std QC ☐ TRRP Checklist
☐ Level III Std QC/Raw Date ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other ____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Fax. +1 281 530 5887

CUSTODY SEAL

Date: 3/24/15 Time: 18:20
Name: J. Blackwell
Company: Zephyr

Seal Broken By: BH
Date: 3-25-16

TRK# 0215 8013 7799 7406

WED - 25 MAR 10:30A
PRIORITY OVERNIGHT

43 SGRA

77099
TX-US IAH

10450 Stancliff Rd. Suite 210
Houston, TX 77099
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www.alsglobal.com

April 09, 2015

Steve Moyer
Magellan Midstream Partners, LP
One Williams Center
Mail Drop 27
Tulsa, OK 74172

Work Order: **HS15030995**

Revision: **2**

Laboratory Results for: **Hearne Pipeline, MP55**

Dear Steve,

ALS Environmental received 14 sample(s) on Mar 27, 2015 for the analysis presented in the following report.

This is a REVISED REPORT. Please see the Case Narrative for discussion concerning this revision.

Regards,

Sonia West

Generated By: Sonia.West
Sonia West
Project Manager

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
Work Order: HS15030995

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS15030995-01	Grass	Solid		25-Mar-2015 07 20	27-Mar-2015 11 45	☐
HS15030995-02	Absorbent Pads	Solid		25-Mar-2015 07:25	27-Mar-2015 11 45	☐
HS15030995-03	Discharge 032615	Water		26-Mar-2015 09 55	27-Mar-2015 11 45	☐
HS15030995-04	KOCH-1	Soil		26-Mar-2015 11 45	27-Mar-2015 11.45	☐
HS15030995-05	KOCH-2	Soil		26-Mar-2015 11 50	27-Mar-2015 11 45	☐
HS15030995-06	KOCH-3	Soil		26-Mar-2015 11 55	27-Mar-2015 11 45	☐
HS15030995-07	KOCH-4	Soil		26-Mar-2015 12 00	27-Mar-2015 11 45	☐
HS15030995-08	KOCH-5	Soil		26-Mar-2015 12 04	27-Mar-2015 11 45	☐
HS15030995-09	SP-1	Soil		26-Mar-2015 15 24	27-Mar-2015 11 45	☐
HS15030995-10	SP-2	Soil		26-Mar-2015 15 28	27-Mar-2015 11 45	☐
HS15030995-11	CD-1	Soil		26-Mar-2015 15 05	27-Mar-2015 11 45	☐
HS15030995-12	CD-2	Soil		26-Mar-2015 14 58	27-Mar-2015 11 45	☐
HS15030995-13	CD-3	Soil		26-Mar-2015 14 32	27-Mar-2015 11 45	☐
HS15030995-14	031215-34	Water		26-Mar-2015 00 00	27-Mar-2015 11 45	☐

Client: Magellan Midstream Partners, LP **CASE NARRATIVE**
Project: Hearne Pipeline, MP55
Work Order: HS15030995

Work Order Comments

- Revision II
  As per the clients request via phone call and email on April 9, 2015, the laboratory reported MTBE by method 8260 for sample Discharge 032615.

- Revision I
  This report has been revised to correct the spelling of the project name.

- Sample received outside method holding time for pH. pH is an immediate test. Sample results are flagged with an "H" qualifier.

GC Semivolatiles by Method TX1005

Batch ID: 91834

Sample ID **Absorbent Pads (HS15030995-02)**
Sample ID **Grass (HS15030995-01)**
- Surrogate was diluted out.

Sample ID. **CD-2 (HS15030995-12)**
- One or more surrogate recoveries were above the upper control limits No target analytes were detected in the sample The high surrogate recoveries did not impact the non-detect results for target analytes.

Sample ID. **CD-3 (HS15030995-13)**
Sample ID· **CD-3 (HS15030995-13MS)**
Sample ID· **CD-3 (HS15030995-13MSD)**
Sample ID· **SP-1 (HS15030995-09)**
- Surrogate failed high due to matrix interference.

Sample ID. **SP-1 (HS15030995-09)**
- The positive result for this petroleum hydrocarbon fraction is due to single component analytes eluting within the quantitation range. No petroleum product is present.

Batch ID: 91811

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

GCMS Semivolatiles by Method SW8270

Batch ID: 91824

Sample ID **LCS-91824**
- Insufficient sample received to perform MS/MSD. LCS/LCSD provided as batch quality control.

GCMS Volatiles by Method SW8260

Batch ID: R251744

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch ID: R251823

Sample ID **SP-2 (HS15030995-10)**
- MS/MSD failed QC limits for few compounds.

Batch ID: R251826

Sample ID. **Absorbent Pads (HS15030995-02)**
- MS/MSD failed QC limts for few compounds

Batch ID: R251834

Sample ID **Discharge 032615 (HS15030995-03)**
- MS and MSD performed on unrelated sample

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
Work Order: HS15030995

CASE NARRATIVE

Metals by Method SW6020

Batch ID: 91805

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method SM4500H+ B

Batch ID: R251791

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne Pipeline, MP55	WorkOrder HS15030995
Sample ID:	Grass	Lab ID:HS15030995-01
Collection Date	25-Mar-2015 07 20	Matrix Solid

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0.0050	mg/Kg	1	27-Mar-2015 21 51
Ethylbenzene	ND		0 0050	mg/Kg	1	27-Mar-2015 21.51
m,p-Xylene	ND		0.010	mg/Kg	1	27-Mar-2015 21 51
o-Xylene	ND		0 0050	mg/Kg	1	27-Mar-2015 21:51
Toluene	ND		0 0050	mg/Kg	1	27-Mar-2015 21.51
Xylenes, Total	ND		0.010	mg/Kg	1	27-Mar-2015 21 51
Surr 1,2-Dichloroethane-d4	*106*		*70-128*	*%REC*	*1*	*27-Mar-2015 21 51*
Surr 4-Bromofluorobenzene	*89 2*		*73-126*	*%REC*	*1*	*27-Mar-2015 21 51*
Surr Dibromofluoromethane	*109*		*71-128*	*%REC*	*1*	*27-Mar-2015 21 51*
Surr Toluene-d8	*108*		*73-127*	*%REC*	*1*	*27-Mar-2015 21 51*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep:TX1005PR / 27-Mar-2015		Analyst: JKP
nC6 to nC12	ND		2700	mg/Kg	50	30-Mar-2015 09 45
>nC12 to nC28	**18,000**		**2700**	**mg/Kg**	50	30-Mar-2015 09 45
>nC28 to nC35	ND		2700	mg/Kg	50	30-Mar-2015 09 45
Total Petroleum Hydrocarbon	**18,000**		**2700**	**mg/Kg**	50	30-Mar-2015 09 45
Surr 2-Fluorobiphenyl	*0*	*S*	*70-130*	*%REC*	*50*	*30-Mar-2015 09 45*
Surr Trifluoromethyl benzene	*0*	*S*	*70-130*	*%REC*	*50*	*30-Mar-2015 09 45*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:2

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project.	Hearne Pipeline, MP55	WorkOrder:HS15030995
Sample ID.	Absorbent Pads	Lab ID HS15030995-02
Collection Date:	25-Mar-2015 07 25	Matrix Solid

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	**21**		**5.0**	**mg/Kg**	1000	27-Mar-2015 18 11
Ethylbenzene	**330**		**25**	**mg/Kg**	5000	27-Mar-2015 17 45
m,p-Xylene	**1,100**		**50**	**mg/Kg**	5000	27-Mar-2015 17 45
o-Xylene	**520**		**25**	**mg/Kg**	5000	27-Mar-2015 17 45
Toluene	**550**		**25**	**mg/Kg**	5000	27-Mar-2015 17 45
Xylenes, Total	**1,600**		**50**	**mg/Kg**	5000	27-Mar-2015 17 45
Surr 1,2-Dichloroethane-d4	*106*		*70-128*	*%REC*	*1000*	*27-Mar-2015 18 11*
Surr 1,2-Dichloroethane-d4	*97 5*		*70-128*	*%REC*	*5000*	*27-Mar-2015 17 45*
Surr 4-Bromofluorobenzene	*106*		*73-126*	*%REC*	*5000*	*27-Mar-2015 17 45*
Surr 4-Bromofluorobenzene	*110*		*73-126*	*%REC*	*1000*	*27-Mar-2015 18 11*
Surr Dibromofluoromethane	*101*		*71-128*	*%REC*	*5000*	*27-Mar-2015 17 45*
Surr Dibromofluoromethane	*99 5*		*71-128*	*%REC*	*1000*	*27-Mar-2015 18 11*
Surr Toluene-d8	*101*		*73-127*	*%REC*	*5000*	*27-Mar-2015 17 45*
Surr Toluene-d8	*102*		*73-127*	*%REC*	*1000*	*27-Mar-2015 18 11*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 27-Mar-2015		Analyst: JKP
nC6 to nC12	**180,000**		**68000**	**mg/Kg**	1000	30-Mar-2015 09:45
>nC12 to nC28	**600,000**		**68000**	**mg/Kg**	1000	30-Mar-2015 09 45
>nC28 to nC35	ND		68000	mg/Kg	1000	30-Mar-2015 09 45
Total Petroleum Hydrocarbon	**780,000**		**68000**	**mg/Kg**	1000	30-Mar-2015 09 45
Surr 2-Fluorobiphenyl	*0*	*S*	*70-130*	*%REC*	*1000*	*30-Mar-2015 09 45*
Surr Trifluoromethyl benzene	*0*	*S*	*70-130*	*%REC*	*1000*	*30-Mar-2015 09 45*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:2

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne Pipeline, MP55	WorkOrder:HS15030995
Sample ID:	Discharge 032615	Lab ID:HS15030995-03
Collection Date:	26-Mar-2015 09:55	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL SEMIVOLATILES		**Method:SW8270**		Prep SW3510 / 27-Mar-2015		Analyst: ACN
Acenaphthene	ND		0.00010	mg/L	1	27-Mar-2015 16 31
Acenaphthylene	ND		0 00010	mg/L	1	27-Mar-2015 16 31
Anthracene	ND		0.00010	mg/L	1	27-Mar-2015 16 31
Benz(a)anthracene	ND		0.00010	mg/L	1	27-Mar-2015 16 31
Benzo(a)pyrene	ND		0.00010	mg/L	1	27-Mar-2015 16 31
Benzo(b)fluoranthene	ND		0.00010	mg/L	1	27-Mar-2015 16 31
Benzo(g,h,i)perylene	ND		0.00010	mg/L	1	27-Mar-2015 16 31
Benzo(k)fluoranthene	ND		0.00010	mg/L	1	27-Mar-2015 16 31
Chrysene	ND		0.00010	mg/L	1	27-Mar-2015 16 31
Dibenz(a,h)anthracene	ND		0.00010	mg/L	1	27-Mar-2015 16 31
Fluoranthene	ND		0.00010	mg/L	1	27-Mar-2015 16 31
Fluorene	ND		0 00010	mg/L	1	27-Mar-2015 16 31
Indeno(1,2,3-cd)pyrene	ND		0.00010	mg/L	1	27-Mar-2015 16 31
Naphthalene	ND		0 00010	mg/L	1	27-Mar-2015 16 31
Phenanthrene	ND		0 00010	mg/L	1	27-Mar-2015 16 31
Pyrene	ND		0.00010	mg/L	1	27-Mar-2015 16 31
Surr 2-Fluorobiphenyl	*63 0*		*40-125*	*%REC*	*1*	*27-Mar-2015 16 31*
Surr 4-Terphenyl-d14	*78 5*		*40-135*	*%REC*	*1*	*27-Mar-2015 16 31*
Surr Nitrobenzene-d5	*54 7*		*41-120*	*%REC*	*1*	*27-Mar-2015 16 31*
VOLATILES - SW8260C		**Method:SW8260**				Analyst: PC
Benzene	ND		0.0050	mg/L	1	29-Mar-2015 14 04
Ethylbenzene	ND		0.0050	mg/L	1	29-Mar-2015 14 04
Methyl tert-butyl ether	ND		0.0050	mg/L	1	29-Mar-2015 14 04
Toluene	ND		0.0050	mg/L	1	29-Mar-2015 14 04
Xylenes, Total	ND		0.015	mg/L	1	29-Mar-2015 14 04
Surr 1,2-Dichloroethane-d4	*99 2*		*70-125*	*%REC*	*1*	*29-Mar-2015 14 04*
Surr 4-Bromofluorobenzene	*101*		*72-125*	*%REC*	*1*	*29-Mar-2015 14 04*
Surr Dibromofluoromethane	*93 5*		*71-125*	*%REC*	*1*	*29-Mar-2015 14 04*
Surr Toluene-d8	*93 0*		*75-125*	*%REC*	*1*	*29-Mar-2015 14 04*
ICP-MS METALS BY SW6020A		**Method:SW6020**		Prep SW3010A / 27-Mar-2015		Analyst. JCJ
Lead	ND		0 00500	mg/L	1	28-Mar-2015 00 30
LOW-LEVEL TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 27-Mar-2015		Analyst: JKP
nC6 to nC12	ND		0 50	mg/L	1	28-Mar-2015 00 07
>nC12 to nC28	ND		0.50	mg/L	1	28-Mar-2015 00 07
>nC28 to nC35	ND		0 50	mg/L	1	28-Mar-2015 00 07
Total Petroleum Hydrocarbon	ND		0.50	mg/L	1	28-Mar-2015 00 07
Surr 2-Fluorobiphenyl	*88 2*		*70-130*	*%REC*	*1*	*28-Mar-2015 00 07*
Surr Trifluoromethyl benzene	*91 5*		*70-130*	*%REC*	*1*	*28-Mar-2015 00 07*

Note. See Qualifiers Page for a list of qualifiers and their explanation

Revision:2

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne Pipeline, MP55	WorkOrder:HS15030995
Sample ID:	Discharge 032615	Lab ID:HS15030995-03
Collection Date:	26-Mar-2015 09:55	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
PH BY SM4500H+ B	**Method:SM4500H+ B**					Analyst: AP
pH	6.67	H	0.100	pH Units	1	27-Mar-2015 16 48

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:2

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne Pipeline, MP55	WorkOrder HS15030995
Sample ID	KOCH-1	Lab ID HS15030995-04
Collection Date	26-Mar-2015 11 45	Matrix Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0 0050	mg/Kg	1	27-Mar-2015 14 51
Ethylbenzene	ND		0.0050	mg/Kg	1	27-Mar-2015 14 51
m,p-Xylene	ND		0 010	mg/Kg	1	27-Mar-2015 14 51
o-Xylene	ND		0.0050	mg/Kg	1	27-Mar-2015 14 51
Toluene	ND		0.0050	mg/Kg	1	27-Mar-2015 14 51
Xylenes, Total	ND		0 010	mg/Kg	1	27-Mar-2015 14 51
Surr 1,2-Dichloroethane-d4	*97 1*		*70-128*	*%REC*	*1*	*27-Mar-2015 14 51*
Surr 4-Bromofluorobenzene	*98 5*		*73-126*	*%REC*	*1*	*27-Mar-2015 14 51*
Surr Dibromofluoromethane	*102*		*71-128*	*%REC*	*1*	*27-Mar-2015 14 51*
Surr Toluene-d8	*102*		*73-127*	*%REC*	*1*	*27-Mar-2015 14 51*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 27-Mar-2015		Analyst JKP
nC6 to nC12	ND		50	mg/Kg	1	28-Mar-2015 05 26
>nC12 to nC28	ND		50	mg/Kg	1	28-Mar-2015 05 26
>nC28 to nC35	ND		50	mg/Kg	1	28-Mar-2015 05 26
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	28-Mar-2015 05 26
Surr 2-Fluorobiphenyl	*91 3*		*70-130*	*%REC*	*1*	*28-Mar-2015 05 26*
Surr Trifluoromethyl benzene	*92 0*		*70-130*	*%REC*	*1*	*28-Mar-2015 05 26*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:2

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne Pipeline, MP55	WorkOrder:HS15030995
Sample ID	KOCH-2	Lab ID:HS15030995-05
Collection Date:	26-Mar-2015 11:50	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0.0050	mg/Kg	1	27-Mar-2015 15 14
Ethylbenzene	ND		0 0050	mg/Kg	1	27-Mar-2015 15 14
m,p-Xylene	ND		0.010	mg/Kg	1	27-Mar-2015 15 14
o-Xylene	ND		0.0050	mg/Kg	1	27-Mar-2015 15 14
Toluene	ND		0 0050	mg/Kg	1	27-Mar-2015 15 14
Xylenes, Total	ND		0.010	mg/Kg	1	27-Mar-2015 15 14
Surr: 1,2-Dichloroethane-d4	*95 5*		*70-128*	*%REC*	*1*	*27-Mar-2015 15 14*
Surr: 4-Bromofluorobenzene	*96 8*		*73-126*	*%REC*	*1*	*27-Mar-2015 15 14*
Surr: Dibromofluoromethane	*101*		*71-128*	*%REC*	*1*	*27-Mar-2015 15 14*
Surr: Toluene-d8	*102*		*73-127*	*%REC*	*1*	*27-Mar-2015 15 14*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 27-Mar-2015		Analyst: JKP
nC6 to nC12	ND		50	mg/Kg	1	28-Mar-2015 05 57
>nC12 to nC28	ND		50	mg/Kg	1	28-Mar-2015 05 57
>nC28 to nC35	ND		50	mg/Kg	1	28-Mar-2015 05 57
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	28-Mar-2015 05 57
Surr: 2-Fluorobiphenyl	*88 3*		*70-130*	*%REC*	*1*	*28-Mar-2015 05 57*
Surr: Trifluoromethyl benzene	*88 7*		*70-130*	*%REC*	*1*	*28-Mar-2015 05 57*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client.	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne Pipeline, MP55	WorkOrder:HS15030995
Sample ID.	KOCH-3	Lab ID:HS15030995-06
Collection Date	26-Mar-2015 11:55	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0.0050	mg/Kg	1	27-Mar-2015 15 38
Ethylbenzene	ND		0.0050	mg/Kg	1	27-Mar-2015 15 38
m,p-Xylene	ND		0 010	mg/Kg	1	27-Mar-2015 15.38
o-Xylene	ND		0.0050	mg/Kg	1	27-Mar-2015 15:38
Toluene	ND		0 0050	mg/Kg	1	27-Mar-2015 15·38
Xylenes, Total	ND		0.010	mg/Kg	1	27-Mar-2015 15 38
Surr 1,2-Dichloroethane-d4	*96 0*		*70-128*	*%REC*	*1*	*27-Mar-2015 15 38*
Surr 4-Bromofluorobenzene	*98 6*		*73-126*	*%REC*	*1*	*27-Mar-2015 15 38*
Surr Dibromofluoromethane	*102*		*71-128*	*%REC*	*1*	*27-Mar-2015 15 38*
Surr Toluene-d8	*102*		*73-127*	*%REC*	*1*	*27-Mar-2015 15 38*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 27-Mar-2015		Analyst: JKP
nC6 to nC12	ND		50	mg/Kg	1	28-Mar-2015 06 29
>nC12 to nC28	ND		50	mg/Kg	1	28-Mar-2015 06 29
>nC28 to nC35	ND		50	mg/Kg	1	28-Mar-2015 06:29
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	28-Mar-2015 06 29
Surr 2-Fluorobiphenyl	*87 3*		*70-130*	*%REC*	*1*	*28-Mar-2015 06 29*
Surr Trifluoromethyl benzene	*87 9*		*70-130*	*%REC*	*1*	*28-Mar-2015 06 29*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:2

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne Pipeline, MP55	WorkOrder HS15030995
Sample ID	KOCH-4	Lab ID·HS15030995-07
Collection Date:	26-Mar-2015 12 00	Matrix Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst. WLR
Benzene	ND		0.0050	mg/Kg	1	27-Mar-2015 16 01
Ethylbenzene	ND		0 0050	mg/Kg	1	27-Mar-2015 16 01
m,p-Xylene	ND		0.010	mg/Kg	1	27-Mar-2015 16 01
o-Xylene	ND		0 0050	mg/Kg	1	27-Mar-2015 16 01
Toluene	ND		0.0050	mg/Kg	1	27-Mar-2015 16 01
Xylenes, Total	ND		0.010	mg/Kg	1	27-Mar-2015 16 01
Surr 1,2-Dichloroethane-d4	*95 6*		*70-128*	*%REC*	*1*	*27-Mar-2015 16 01*
Surr 4-Bromofluorobenzene	*97 3*		*73-126*	*%REC*	*1*	*27-Mar-2015 16 01*
Surr Dibromofluoromethane	*101*		*71-128*	*%REC*	*1*	*27-Mar-2015 16 01*
Surr Toluene-d8	*103*		*73-127*	*%REC*	*1*	*27-Mar-2015 16 01*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep.TX1005PR / 27-Mar-2015		Analyst: JKP
nC6 to nC12	ND		50	mg/Kg	1	28-Mar-2015 07 00
>nC12 to nC28	ND		50	mg/Kg	1	28-Mar-2015 07 00
>nC28 to nC35	ND		50	mg/Kg	1	28-Mar-2015 07 00
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	28-Mar-2015 07 00
Surr 2-Fluorobiphenyl	*90 5*		*70-130*	*%REC*	*1*	*28-Mar-2015 07 00*
Surr Trifluoromethyl benzene	*90 3*		*70-130*	*%REC*	*1*	*28-Mar-2015 07 00*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:2

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne Pipeline, MP55	WorkOrder:HS15030995
Sample ID:	KOCH-5	Lab ID:HS15030995-08
Collection Date:	26-Mar-2015 12:04	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0 0050	mg/Kg	1	27-Mar-2015 16 25
Ethylbenzene	ND		0 0050	mg/Kg	1	27-Mar-2015 16 25
m,p-Xylene	ND		0.010	mg/Kg	1	27-Mar-2015 16 25
o-Xylene	ND		0 0050	mg/Kg	1	27-Mar-2015 16 25
Toluene	ND		0 0050	mg/Kg	1	27-Mar-2015 16 25
Xylenes, Total	ND		0.010	mg/Kg	1	27-Mar-2015 16 25
Surr 1,2-Dichloroethane-d4	*99 1*		*70-128*	*%REC*	*1*	*27-Mar-2015 16 25*
Surr 4-Bromofluorobenzene	*98 7*		*73-126*	*%REC*	*1*	*27-Mar-2015 16 25*
Surr Dibromofluoromethane	*103*		*71-128*	*%REC*	*1*	*27-Mar-2015 16 25*
Surr Toluene-d8	*102*		*73-127*	*%REC*	*1*	*27-Mar-2015 16 25*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 27-Mar-2015		Analyst. JKP
nC6 to nC12	ND		50	mg/Kg	1	28-Mar-2015 07 31
>nC12 to nC28	ND		50	mg/Kg	1	28-Mar-2015 07 31
>nC28 to nC35	ND		50	mg/Kg	1	28-Mar-2015 07 31
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	28-Mar-2015 07 31
Surr 2-Fluorobiphenyl	*89 6*		*70-130*	*%REC*	*1*	*28-Mar-2015 07 31*
Surr Trifluoromethyl benzene	*88 7*		*70-130*	*%REC*	*1*	*28-Mar-2015 07 31*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:2

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne Pipeline, MP55	WorkOrder:HS15030995
Sample ID:	SP-1	Lab ID:HS15030995-09
Collection Date:	26-Mar-2015 15:24	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0.0050	mg/Kg	1	27-Mar-2015 16:48
Ethylbenzene	ND		0.0050	mg/Kg	1	27-Mar-2015 16:48
m,p-Xylene	ND		0.010	mg/Kg	1	27-Mar-2015 16:48
o-Xylene	ND		0.0050	mg/Kg	1	27-Mar-2015 16:48
Toluene	ND		0.0050	mg/Kg	1	27-Mar-2015 16:48
Xylenes, Total	ND		0.010	mg/Kg	1	27-Mar-2015 16:48
Surr: 1,2-Dichloroethane-d4	*96.5*		*70-128*	*%REC*	*1*	*27-Mar-2015 16:48*
Surr: 4-Bromofluorobenzene	*97.3*		*73-126*	*%REC*	*1*	*27-Mar-2015 16:48*
Surr: Dibromofluoromethane	*103*		*71-128*	*%REC*	*1*	*27-Mar-2015 16:48*
Surr: Toluene-d8	*102*		*73-127*	*%REC*	*1*	*27-Mar-2015 16:48*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 27-Mar-2015		Analyst: JKP
nC6 to nC12	**55**		**50**	**mg/Kg**	**1**	29-Mar-2015 22:35
>nC12 to nC28	**280**		**50**	**mg/Kg**	**1**	29-Mar-2015 22:35
>nC28 to nC35	**67**		**50**	**mg/Kg**	**1**	29-Mar-2015 22:35
Total Petroleum Hydrocarbon	**402**		**50**	**mg/Kg**	**1**	29-Mar-2015 22:35
Surr: 2-Fluorobiphenyl	*115*		*70-130*	*%REC*	*1*	*29-Mar-2015 22:35*
Surr: Trifluoromethyl benzene	*134*	*S*	*70-130*	*%REC*	*1*	*29-Mar-2015 22:35*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne Pipeline, MP55	WorkOrder HS15030995
Sample ID	SP-2	Lab ID:HS15030995-10
Collection Date	26-Mar-2015 15 28	Matrix Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst. WLR
Benzene	ND		0.0050	mg/Kg	1	27-Mar-2015 20 41
Ethylbenzene	ND		0 0050	mg/Kg	1	27-Mar-2015 20 41
m,p-Xylene	ND		0 010	mg/Kg	1	27-Mar-2015 20 41
o-Xylene	ND		0.0050	mg/Kg	1	27-Mar-2015 20 41
Toluene	ND		0 0050	mg/Kg	1	27-Mar-2015 20 41
Xylenes, Total	ND		0.010	mg/Kg	1	27-Mar-2015 20 41
Surr 1,2-Dichloroethane-d4	*101*		*70-128*	*%REC*	*1*	*27-Mar-2015 20 41*
Surr 4-Bromofluorobenzene	*95 4*		*73-126*	*%REC*	*1*	*27-Mar-2015 20 41*
Surr Dibromofluoromethane	*105*		*71-128*	*%REC*	*1*	*27-Mar-2015 20 41*
Surr Toluene-d8	*103*		*73-127*	*%REC*	*1*	*27-Mar-2015 20 41*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 27-Mar-2015		Analyst: JKP
nC6 to nC12	ND		50	mg/Kg	1	29-Mar-2015 23 06
>nC12 to nC28	ND		50	mg/Kg	1	29-Mar-2015 23 06
>nC28 to nC35	ND		50	mg/Kg	1	29-Mar-2015 23 06
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	29-Mar-2015 23 06
Surr 2-Fluorobiphenyl	*123*		*70-130*	*%REC*	*1*	*29-Mar-2015 23 06*
Surr Trifluoromethyl benzene	*129*		*70-130*	*%REC*	*1*	*29-Mar-2015 23 06*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:2

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne Pipeline, MP55	WorkOrder:HS15030995
Sample ID.	CD-1	Lab ID.HS15030995-11
Collection Date:	26-Mar-2015 15 05	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0 0050	mg/Kg	1	27-Mar-2015 17 11
Ethylbenzene	ND		0.0050	mg/Kg	1	27-Mar-2015 17 11
m,p-Xylene	ND		0.010	mg/Kg	1	27-Mar-2015 17 11
o-Xylene	ND		0 0050	mg/Kg	1	27-Mar-2015 17 11
Toluene	ND		0 0050	mg/Kg	1	27-Mar-2015 17 11
Xylenes, Total	ND		0.010	mg/Kg	1	27-Mar-2015 17 11
Surr 1,2-Dichloroethane-d4	*96 1*		*70-128*	*%REC*	*1*	*27-Mar-2015 17 11*
Surr 4-Bromofluorobenzene	*97 0*		*73-126*	*%REC*	*1*	*27-Mar-2015 17 11*
Surr Dibromofluoromethane	*102*		*71-128*	*%REC*	*1*	*27-Mar-2015 17 11*
Surr Toluene-d8	*101*		*73-127*	*%REC*	*1*	*27-Mar-2015 17 11*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 27-Mar-2015		Analyst: JKP
nC6 to nC12	ND		50	mg/Kg	1	29-Mar-2015 19 54
>nC12 to nC28	ND		50	mg/Kg	1	29-Mar-2015 19 54
>nC28 to nC35	ND		50	mg/Kg	1	29-Mar-2015 19 54
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	29-Mar-2015 19 54
Surr 2-Fluorobiphenyl	*129*		*70-130*	*%REC*	*1*	*29-Mar-2015 19 54*
Surr Trifluoromethyl benzene	*117*		*70-130*	*%REC*	*1*	*29-Mar-2015 19 54*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne Pipeline, MP55	WorkOrder:HS15030995
Sample ID.	CD-2	Lab ID:HS15030995-12
Collection Date:	26-Mar-2015 14:58	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0 0050	mg/Kg	1	27-Mar-2015 17 34
Ethylbenzene	ND		0.0050	mg/Kg	1	27-Mar-2015 17 34
m,p-Xylene	ND		0.010	mg/Kg	1	27-Mar-2015 17 34
o-Xylene	ND		0.0050	mg/Kg	1	27-Mar-2015 17 34
Toluene	ND		0.0050	mg/Kg	1	27-Mar-2015 17 34
Xylenes, Total	ND		0 010	mg/Kg	1	27-Mar-2015 17:34
Surr 1,2-Dichloroethane-d4	*97 5*		*70-128*	*%REC*	*1*	*27-Mar-2015 17 34*
Surr 4-Bromofluorobenzene	*96 3*		*73-126*	*%REC*	*1*	*27-Mar-2015 17 34*
Surr Dibromofluoromethane	*104*		*71-128*	*%REC*	*1*	*27-Mar-2015 17 34*
Surr Toluene-d8	*104*		*73-127*	*%REC*	*1*	*27-Mar-2015 17 34*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 27-Mar-2015		Analyst: JKP
nC6 to nC12	ND		50	mg/Kg	1	29-Mar-2015 20 27
>nC12 to nC28	ND		50	mg/Kg	1	29-Mar-2015 20 27
>nC28 to nC35	ND		50	mg/Kg	1	29-Mar-2015 20:27
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	29-Mar-2015 20.27
Surr 2-Fluorobiphenyl	*157*	*S*	*70-130*	*%REC*	*1*	*29-Mar-2015 20 27*
Surr Trifluoromethyl benzene	*129*		*70-130*	*%REC*	*1*	*29-Mar-2015 20 27*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:2

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne Pipeline, MP55	WorkOrder HS15030995
Sample ID:	CD-3	Lab ID HS15030995-13
Collection Date.	26-Mar-2015 14:32	Matrix.Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0.0050	mg/Kg	1	27-Mar-2015 21 04
Ethylbenzene	ND		0.0050	mg/Kg	1	27-Mar-2015 21 04
m,p-Xylene	ND		0 010	mg/Kg	1	27-Mar-2015 21 04
o-Xylene	ND		0 0050	mg/Kg	1	27-Mar-2015 21 04
Toluene	ND		0.0050	mg/Kg	1	27-Mar-2015 21 04
Xylenes, Total	ND		0 010	mg/Kg	1	27-Mar-2015 21 04
Surr 1,2-Dichloroethane-d4	*95 1*		*70-128*	*%REC*	*1*	*27-Mar-2015 21 04*
Surr 4-Bromofluorobenzene	*96 9*		*73-126*	*%REC*	*1*	*27-Mar-2015 21 04*
Surr Dibromofluoromethane	*101*		*71-128*	*%REC*	*1*	*27-Mar-2015 21 04*
Surr Toluene-d8	*101*		*73-127*	*%REC*	*1*	*27-Mar-2015 21 04*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 27-Mar-2015		Analyst: JKP
nC6 to nC12	ND		50	mg/Kg	1	29-Mar-2015 20 59
>nC12 to nC28	**63**		**50**	**mg/Kg**	1	29-Mar-2015 20 59
>nC28 to nC35	ND		50	mg/Kg	1	29-Mar-2015 20 59
Total Petroleum Hydrocarbon	**63.0**		**50**	**mg/Kg**	1	29-Mar-2015 20 59
Surr 2-Fluorobiphenyl	*150*	*S*	*70-130*	*%REC*	*1*	*29-Mar-2015 20 59*
Surr Trifluoromethyl benzene	*130*		*70-130*	*%REC*	*1*	*29-Mar-2015 20 59*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID 91805	**Test Name :** ICP-MS METALS BY SW6020A			**Matrix:** Water		
HS15030995-03	Discharge 032615	26 Mar 2015 09 55		27 Mar 2015 09 43	28 Mar 2015 00 30	1
Batch ID 91811	**Test Name :** LOW-LEVEL TEXAS TPH BY TX1005			**Matrix:** Water		
HS15030995-03	Discharge 032615	26 Mar 2015 09 55		27 Mar 2015 10 17	28 Mar 2015 00 07	1
Batch ID 91824	**Test Name :** LOW-LEVEL SEMIVOLATILES			**Matrix:** Water		
HS15030995-03	Discharge 032615	26 Mar 2015 09 55		27 Mar 2015 13 01	27 Mar 2015 16 31	1
Batch ID 91834	**Test Name :** TEXAS TPH BY TX1005			**Matrix:** Soil		
HS15030995-04	KOCH-1	26 Mar 2015 11 45		27 Mar 2015 14 57	28 Mar 2015 05 26	1
HS15030995-05	KOCH-2	26 Mar 2015 11 50		27 Mar 2015 14 57	28 Mar 2015 05 57	1
HS15030995-06	KOCH-3	26 Mar 2015 11 55		27 Mar 2015 14 57	28 Mar 2015 06 29	1
HS15030995-07	KOCH-4	26 Mar 2015 12 00		27 Mar 2015 14 57	28 Mar 2015 07 00	1
HS15030995-08	KOCH-5	26 Mar 2015 12 04		27 Mar 2015 14 57	28 Mar 2015 07 31	1
HS15030995-09	SP-1	26 Mar 2015 15 24		27 Mar 2015 14 57	29 Mar 2015 22 35	1
HS15030995-10	SP-2	26 Mar 2015 15 28		27 Mar 2015 14 57	29 Mar 2015 23 06	1
HS15030995-11	CD-1	26 Mar 2015 15 05		27 Mar 2015 14 57	29 Mar 2015 19 54	1
HS15030995-12	CD-2	26 Mar 2015 14 58		27 Mar 2015 14 57	29 Mar 2015 20 27	1
HS15030995-13	CD-3	26 Mar 2015 14 32		27 Mar 2015 14 57	29 Mar 2015 20 59	1
Batch ID 91834	**Test Name :** TEXAS TPH BY TX1005			**Matrix:** Solid		
HS15030995-01	Grass	25 Mar 2015 07 20		27 Mar 2015 14 57	30 Mar 2015 09 45	50
HS15030995-02	Absorbent Pads	25 Mar 2015 07 25		27 Mar 2015 14 57	30 Mar 2015 09 45	1000
Batch ID R251744	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Soil		
HS15030995-04	KOCH-1	26 Mar 2015 11 45			27 Mar 2015 14 51	1
HS15030995-05	KOCH-2	26 Mar 2015 11.50			27 Mar 2015 15.14	1
HS15030995-06	KOCH-3	26 Mar 2015 11:55			27 Mar 2015 15 38	1
HS15030995-07	KOCH-4	26 Mar 2015 12 00			27 Mar 2015 16 01	1
HS15030995-08	KOCH-5	26 Mar 2015 12 04			27 Mar 2015 16 25	1
HS15030995-09	SP-1	26 Mar 2015 15 24			27 Mar 2015 16 48	1
HS15030995-11	CD-1	26 Mar 2015 15 05			27 Mar 2015 17.11	1
HS15030995-12	CD-2	26 Mar 2015 14 58			27 Mar 2015 17 34	1
Batch ID R251791	**Test Name :** PH BY SM4500H+ B			**Matrix:** Water		
HS15030995-03	Discharge 032615	26 Mar 2015 09 55			27 Mar 2015 16.48	1
Batch ID R251823	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Soil		
HS15030995-10	SP-2	26 Mar 2015 15 28			27 Mar 2015 20.41	1
HS15030995-13	CD-3	26 Mar 2015 14 32			27 Mar 2015 21 04	1
Batch ID R251823	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Solid		
HS15030995-01	Grass	25 Mar 2015 07 20			27 Mar 2015 21 51	1

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID R251826	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Solid		
HS15030995-02	Absorbent Pads	25 Mar 2015 07 25			27 Mar 2015 18 11	1000
HS15030995-02	Absorbent Pads	25 Mar 2015 07 25			27 Mar 2015 17 45	5000
Batch ID R251834	**Test Name :** VOLATILES - SW8260C			**Matrix:** Water		
HS15030995-03	Discharge 032615	26 Mar 2015 09 55			29 Mar 2015 14 04	1

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: 91811 **Instrument: FID-12** **Method: TX1005**

MBLK Sample ID **MBLK-91811** Units **mg/L** Analysis Date. **27-Mar-2015 15:35**
Client ID Run ID **FID-12_251775** SeqNo **3227292** PrepDate **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	ND	0.50								
>nC12 to nC28	ND	0.50								
>nC28 to nC35	ND	0 50								
Total Petroleum Hydrocarbon	ND	0.50								
Surr 2-Fluorobiphenyl	*2 169*	*0*	*2 5*	*0*	*86 7*	*70 - 130*				
Surr Trifluoromethyl benzene	*2 238*	*0*	*2 5*	*0*	*89 5*	*70 - 130*				

LCS Sample ID **LCS-91811** Units **mg/L** Analysis Date **27-Mar-2015 16:07**
Client ID Run ID **FID-12_251775** SeqNo **3227293** PrepDate **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	23.28	0.50	25	0	93.1	75 - 125				
>nC12 to nC28	28.66	0.50	25	0	115	75 - 125				
Surr 2-Fluorobiphenyl	*2 55*	*0*	*2 5*	*0*	*102*	*70 - 130*				
Surr Trifluoromethyl benzene	*2 164*	*0*	*2 5*	*0*	*86 5*	*70 - 130*				

LCSD Sample ID: **LCSD-91811** Units: **mg/L** Analysis Date **27-Mar-2015 16:39**
Client ID Run ID. **FID-12_251775** SeqNo **3227294** PrepDate: **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	21 67	0.50	25	0	86.7	75 - 125	23.28	7 14	20	
>nC12 to nC28	27.29	0 50	25	0	109	75 - 125	28 66	4.93	20	
Surr 2-Fluorobiphenyl	*2 509*	*0*	*2 5*	*0*	*100*	*70 - 130*	*2 55*	*1 62*	*20*	
Surr Trifluoromethyl benzene	*2 154*	*0*	*2 5*	*0*	*86 1*	*70 - 130*	*2 164*	*0 46*	*20*	

MS Sample ID **HS15030955-01MS** Units **mg/L** Analysis Date **27-Mar-2015 19:51**
Client ID Run ID **FID-12_251775** SeqNo **3227300** PrepDate **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	26.44	0.51	25.25	2.765	93 7	75 - 125				
>nC12 to nC28	30 17	0.51	25.25	1 236	115	75 - 125				
Surr 2-Fluorobiphenyl	*2 613*	*0*	*2 525*	*0*	*103*	*70 - 130*				
Surr Trifluoromethyl benzene	*2 204*	*0*	*2 525*	*0*	*87 3*	*70 - 130*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision: 2

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: 91811 **Instrument: FID-12** **Method: TX1005**

MSD Sample ID **HS15030955-01MSD** Units **mg/L** Analysis Date **27-Mar-2015 20:23**
Client ID Run ID **FID-12_251775** SeqNo **3227301** PrepDate **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	27 55	0.52	26.09	2.765	95 0	75 - 125	26 44	4.14	20	
>nC12 to nC28	30 98	0.52	26.09	1.236	114	75 - 125	30 17	2.63	20	
Surr 2-Fluorobiphenyl	*2 729*	*0*	*2 609*	*0*	*105*	*70 - 130*	*2 613*	*4 35*	*20*	
Surr Trifluoromethyl benzene	*2 33*	*0*	*2 609*	*0*	*89 3*	*70 - 130*	*2 204*	*5 52*	*20*	

The following samples were anayzed in this batch: HS15030995-03

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision: 2

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: 91834 **Instrument: FID-12** **Method: TX1005**

MBLK Sample ID **MBLK-91834** Units **mg/Kg** Analysis Date **28-Mar-2015 02:47**
Client ID Run ID **FID-12_251835** SeqNo **3226852** PrepDate **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	ND	50								
>nC12 to nC28	ND	50								
>nC28 to nC35	ND	50								
Total Petroleum Hydrocarbon	ND	50								
Surr 2-Fluorobiphenyl	*21 07*	*0*	*25*	*0*	*84 3*	*70 - 130*				
Surr Trifluoromethyl benzene	*21 14*	*0*	*25*	*0*	*84 6*	*70 - 130*				

LCS Sample ID **LCS-91834** Units **mg/Kg** Analysis Date **28-Mar-2015 03:19**
Client ID Run ID **FID-12_251835** SeqNo **3226853** PrepDate **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	229.5	50	250	0	91.8	75 - 125				
>nC12 to nC28	299.6	50	250	0	120	75 - 125				
Surr 2-Fluorobiphenyl	*26 26*	*0*	*25*	*0*	*105*	*70 - 130*				
Surr Trifluoromethyl benzene	*22 07*	*0*	*25*	*0*	*88 3*	*70 - 130*				

LCSD Sample ID **LCSD-91834** Units **mg/Kg** Analysis Date **28-Mar-2015 03:51**
Client ID Run ID **FID-12_251835** SeqNo **3226854** PrepDate **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	234.1	50	250	0	93.6	75 - 125	229.5	2	20	
>nC12 to nC28	307 3	50	250	0	123	75 - 125	299 6	2.53	20	
Surr 2-Fluorobiphenyl	*26 93*	*0*	*25*	*0*	*108*	*70 - 130*	*26 26*	*2 52*	*20*	
Surr Trifluoromethyl benzene	*22 42*	*0*	*25*	*0*	*89 7*	*70 - 130*	*22 07*	*1 58*	*20*	

MS Sample ID **HS15030995-13MS** Units **mg/Kg** Analysis Date **29-Mar-2015 21:31**
Client ID **CD-3** Run ID **FID-12_251835** SeqNo **3226870** PrepDate **27-Mar-2015** DF. **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	299 6	50	248.5	17.7	113	75 - 125				
>nC12 to nC28	357.2	50	248 5	62.78	118	75 - 125				
Surr 2-Fluorobiphenyl	*35 91*	*0*	*24 85*	*0*	*145*	*70 - 130*				S
Surr Trifluoromethyl benzene	*31 67*	*0*	*24 85*	*0*	*127*	*70 - 130*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision: 2

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: 91834 **Instrument: FID-12** **Method: TX1005**

MSD Sample ID **HS15030995-13MSD** Units. **mg/Kg** Analysis Date **29-Mar-2015 22:02**
Client ID **CD-3** Run ID **FID-12_251835** SeqNo **3226871** PrepDate **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	297 2	50	249	17 7	112	75 - 125	299.6	0.811	20	
>nC12 to nC28	340	50	249	62.78	111	75 - 125	357 2	4 92	20	
Surr 2-Fluorobiphenyl	*33 77*	*0*	*24 9*	*0*	*136*	*70 - 130*	*35 91*	*6 15*	*20*	S
Surr Trifluoromethyl benzene	*31 3*	*0*	*24 9*	*0*	*126*	*70 - 130*	*31 67*	*1 17*	*20*	

The following samples were anayzed in this batch:

HS15030995-01	HS15030995-02	HS15030995-04	HS15030995-05
HS15030995-06	HS15030995-07	HS15030995-08	HS15030995-09
HS15030995-10	HS15030995-11	HS15030995-12	HS15030995-13

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: 91805 **Instrument: ICPMS04** **Method: SW6020**

MBLK Sample ID **MBLK-91805** Units **mg/L** Analysis Date **28-Mar-2015 00:15**
Client ID Run ID **ICPMS04_251755** SeqNo **3226276** PrepDate **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	ND	0 00500								

LCS Sample ID **MLCS-91805** Units **mg/L** Analysis Date **28-Mar-2015 00:20**
Client ID. Run ID **ICPMS04_251755** SeqNo **3226277** PrepDate **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	0.04833	0 00500	0.05	0	96.7	80 - 120				

MS Sample ID **HS15030942-01MS** Units **mg/L** Analysis Date **28-Mar-2015 00:59**
Client ID Run ID **ICPMS04_251755** SeqNo **3226285** PrepDate **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	0.04952	0 00500	0.05	0.000393	98.3	80 - 120				

MSD Sample ID **HS15030942-01MSD** Units **mg/L** Analysis Date **28-Mar-2015 01:03**
Client ID Run ID **ICPMS04_251755** SeqNo **3226286** PrepDate **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	0 0482	0.00500	0.05	0 000393	95 6	80 - 120	0.04952	2.71	20	

DUP Sample ID **HS15030942-01DUP** Units **mg/L** Analysis Date **28-Mar-2015 00:49**
Client ID Run ID **ICPMS04_251755** SeqNo **3226283** PrepDate **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	ND	0.00500					0.000393	0	20	

PDS Sample ID **HS15030942-01BS** Units **mg/L** Analysis Date **28-Mar-2015 01:08**
Client ID Run ID **ICPMS04_251755** SeqNo **3226287** PrepDate. **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	0.09252	0.00500	0 1	0.000393	92.1	75 - 125				

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision: 2

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: 91805 **Instrument: ICPMS04** **Method: SW6020**

SD Sample ID **HS15030942-01 DIL SX** Units **mg/L** Analysis Date **28-Mar-2015 00:54**
Client ID Run ID: **ICPMS04_251755** SeqNo **3226284** PrepDate **27-Mar-2015** DF **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	ND	0.0250					0.000393	0	10	

The following samples were anayzed in this batch: HS15030995-03

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision: 2

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: 91824 **Instrument: SV-4** **Method: SW8270**

MBLK Sample ID **MBLK-91824** Units **ug/L** Analysis Date **27-Mar-2015 15:08**
Client ID Run ID **SV-4_251787** SeqNo **3225715** PrepDate **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	0.10								
Acenaphthylene	ND	0.10								
Anthracene	ND	0.10								
Benz(a)anthracene	ND	0.10								
Benzo(a)pyrene	ND	0.10								
Benzo(b)fluoranthene	ND	0.10								
Benzo(g,h,i)perylene	ND	0.10								
Benzo(k)fluoranthene	ND	0.10								
Chrysene	ND	0.10								
Dibenz(a,h)anthracene	ND	0.10								
Fluoranthene	ND	0.10								
Fluorene	ND	0.10								
Indeno(1,2,3-cd)pyrene	ND	0.10								
Naphthalene	ND	0.10								
Phenanthrene	ND	0.10								
Pyrene	ND	0.10								
Surr 2-Fluorobiphenyl	*4 003*	*0 20*	*5*	*0*	*80 1*	*40 - 125*				
Surr 4-Terphenyl-d14	*4 447*	*0 20*	*5*	*0*	*88 9*	*40 - 135*				
Surr Nitrobenzene-d5	*3 314*	*0 20*	*5*	*0*	*66 3*	*41 - 120*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision: 2

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: 91824 **Instrument: SV-4** **Method: SW8270**

LCS Sample ID **LCS-91824** Units **ug/L** Analysis Date **27-Mar-2015 15:29**
Client ID Run ID **SV-4_251787** SeqNo **3225716** PrepDate **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	3 248	0.10	5	0	65.0	45 - 120				
Acenaphthylene	3.497	0.10	5	0	69.9	47 - 120				
Anthracene	3 327	0.10	5	0	66.5	45 - 120				
Benz(a)anthracene	3.98	0.10	5	0	79.6	40 - 120				
Benzo(a)pyrene	3 76	0.10	5	0	75.2	45 - 120				
Benzo(b)fluoranthene	3 741	0.10	5	0	74.8	50 - 120				
Benzo(g,h,i)perylene	3.937	0.10	5	0	78.7	42 - 127				
Benzo(k)fluoranthene	3 933	0 10	5	0	78.7	45 - 127				
Chrysene	3.888	0.10	5	0	77.8	43 - 120				
Dibenz(a,h)anthracene	3 76	0 10	5	0	75.2	45 - 125				
Fluoranthene	3.552	0.10	5	0	71.0	45 - 125				
Fluorene	3.691	0 10	5	0	73.8	49 - 120				
Indeno(1,2,3-cd)pyrene	4.006	0.10	5	0	80.1	41 - 128				
Naphthalene	3.128	0 10	5	0	62.6	45 - 120				
Phenanthrene	3.286	0.10	5	0	65.7	45 - 121				
Pyrene	3 72	0 10	5	0	74.4	40 - 130				
Surr: 2-Fluorobiphenyl	*3 572*	*0 20*	*5*	*0*	*71 4*	*40 - 125*				
Surr: 4-Terphenyl-d14	*4 219*	*0 20*	*5*	*0*	*84 4*	*40 - 135*				
Surr: Nitrobenzene-d5	*3 113*	*0 20*	*5*	*0*	*62 3*	*41 - 120*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision: 2

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: 91824 **Instrument: SV-4** **Method: SW8270**

LCSD Sample ID **LCSD-91824** Units. **ug/L** Analysis Date **27-Mar-2015 15:49**
Client ID Run ID **SV-4_251787** SeqNo **3225717** PrepDate **27-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	3.191	0.10	5	0	63.8	45 - 120	3.248	1 77	20	
Acenaphthylene	3.518	0.10	5	0	70 4	47 - 120	3.497	0.591	20	
Anthracene	3.113	0.10	5	0	62.3	45 - 120	3.327	6 66	20	
Benz(a)anthracene	4 088	0.10	5	0	81.8	40 - 120	3.98	2.68	20	
Benzo(a)pyrene	4.089	0.10	5	0	81 8	45 - 120	3 76	8.37	20	
Benzo(b)fluoranthene	4 36	0.10	5	0	87.2	50 - 120	3.741	15.3	20	
Benzo(g,h,i)perylene	4.204	0.10	5	0	84.1	42 - 127	3.937	6.57	20	
Benzo(k)fluoranthene	4.088	0.10	5	0	81.8	45 - 127	3.933	3.85	20	
Chrysene	3.987	0.10	5	0	79 7	43 - 120	3.888	2.53	20	
Dibenz(a,h)anthracene	4.121	0.10	5	0	82.4	45 - 125	3 76	9 15	20	
Fluoranthene	3 527	0.10	5	0	70 5	45 - 125	3.552	0.731	20	
Fluorene	3 537	0.10	5	0	70.7	49 - 120	3.691	4.27	20	
Indeno(1,2,3-cd)pyrene	4.273	0.10	5	0	85.5	41 - 128	4.006	6.45	20	
Naphthalene	3 168	0.10	5	0	63.4	45 - 120	3.128	1.26	20	
Phenanthrene	3.25	0.10	5	0	65.0	45 - 121	3.286	1.12	20	
Pyrene	3.778	0.10	5	0	75.6	40 - 130	3.72	1 56	20	
Surr 2-Fluorobiphenyl	*3 497*	*0 20*	*5*	*0*	*69 9*	*40 - 125*	*3 572*	*2 14*		
Surr 4-Terphenyl-d14	*4 451*	*0 20*	*5*	*0*	*89 0*	*40 - 135*	*4 219*	*5 35*		
Surr Nitrobenzene-d5	*3 062*	*0 20*	*5*	*0*	*61 2*	*41 - 120*	*3 113*	*1 66*		

The following samples were anayzed in this batch: HS15030995-03

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision: 2

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: R251744 **Instrument:** VOA5 **Method:** SW8260

MBLK Sample ID **VBLKS1-032715** Units **ug/Kg** Analysis Date **27-Mar-2015 09:02**
Client ID Run ID **VOA5_251744** SeqNo **3225129** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	5.0								
Ethylbenzene	ND	5 0								
m,p-Xylene	ND	10								
o-Xylene	ND	5.0								
Toluene	ND	5.0								
Xylenes, Total	ND	10								
Surr 1,2-Dichloroethane-d4	*49 3*	*5 0*	*50*	*0*	*98 6*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 22*	*5 0*	*50*	*0*	*98 4*	*73 - 126*				
Surr Dibromofluoromethane	*51 38*	*5 0*	*50*	*0*	*103*	*71 - 128*				
Surr Toluene-d8	*51 04*	*5 0*	*50*	*0*	*102*	*73 - 127*				

LCS Sample ID **VLCSS1-032715** Units **ug/Kg** Analysis Date **27-Mar-2015 08:15**
Client ID Run ID **VOA5_251744** SeqNo **3225128** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	48.81	5.0	50	0	97 6	79 - 122				
Ethylbenzene	47.13	5.0	50	0	94.3	80 - 122				
m,p-Xylene	94 25	10	100	0	94.3	79 - 122				
o-Xylene	47.28	5.0	50	0	94 6	80 - 123				
Toluene	46.04	5.0	50	0	92.1	79 - 120				
Xylenes, Total	141.5	10	150	0	94.4	80 - 120				
Surr 1,2-Dichloroethane-d4	*52 97*	*5 0*	*50*	*0*	*106*	*70 - 128*				
Surr 4-Bromofluorobenzene	*50 39*	*5 0*	*50*	*0*	*101*	*73 - 126*				
Surr Dibromofluoromethane	*52 5*	*5 0*	*50*	*0*	*105*	*71 - 128*				
Surr Toluene-d8	*50 03*	*5 0*	*50*	*0*	*100*	*73 - 127*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: R251744 **Instrument: VOA5** **Method: SW8260**

MS Sample ID **HS15030958-04MS** Units **ug/Kg** Analysis Date **27-Mar-2015 10:58**
Client ID Run ID **VOA5_251744** SeqNo **3225274** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	48.94	5.0	50	0	97 9	79 - 122				
Ethylbenzene	46.86	5.0	50	0	93.7	80 - 122				
m,p-Xylene	94.37	10	100	0	94 4	79 - 122				
o-Xylene	46.71	5 0	50	0	93 4	80 - 123				
Toluene	46.18	5 0	50	0	92.4	79 - 120				
Xylenes, Total	141 1	10	150	0	94 1	80 - 120				
Surr 1,2-Dichloroethane-d4	*51 61*	*5 0*	*50*	*0*	*103*	*70 - 128*				
Surr 4-Bromofluorobenzene	*50 38*	*5 0*	*50*	*0*	*101*	*73 - 126*				
Surr Dibromofluoromethane	*52 11*	*5 0*	*50*	*0*	*104*	*71 - 128*				
Surr Toluene-d8	*50 88*	*5 0*	*50*	*0*	*102*	*73 - 127*				

MSD Sample ID **HS15030958-04MSD** Units **ug/Kg** Analysis Date **27-Mar-2015 11:21**
Client ID Run ID **VOA5_251744** SeqNo **3225275** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	48.4	5.0	50	0	96.8	79 - 122	48.94	1.11	30	
Ethylbenzene	46.59	5.0	50	0	93.2	80 - 122	46.86	0.567	30	
m,p-Xylene	92.91	10	100	0	92.9	79 - 122	94.37	1.56	30	
o-Xylene	46.16	5.0	50	0	92.3	80 - 123	46.71	1 19	30	
Toluene	45.47	5.0	50	0	90.9	79 - 120	46.18	1.55	30	
Xylenes, Total	139 1	10	150	0	92.7	80 - 120	141.1	1 44	30	
Surr 1,2-Dichloroethane-d4	*53 15*	*5 0*	*50*	*0*	*106*	*70 - 128*	*51 61*	*2 96*	*30*	
Surr 4-Bromofluorobenzene	*50 79*	*5 0*	*50*	*0*	*102*	*73 - 126*	*50 38*	*0 808*	*30*	
Surr Dibromofluoromethane	*53 52*	*5 0*	*50*	*0*	*107*	*71 - 128*	*52 11*	*2 66*	*30*	
Surr Toluene-d8	*51 51*	*5 0*	*50*	*0*	*103*	*73 - 127*	*50 88*	*1 23*	*30*	

The following samples were anayzed in this batch: HS15030995-04 HS15030995-05 HS15030995-06 HS15030995-07 HS15030995-08 HS15030995-09 HS15030995-11 HS15030995-12

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision: 2

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: R251823 **Instrument:** VOA5 **Method:** SW8260

MBLK Sample ID **VBLKS2-032715** Units **ug/Kg** Analysis Date **27-Mar-2015 20:18**
Client ID Run ID **VOA5_251823** SeqNo **3226556** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	5.0								
Ethylbenzene	ND	5.0								
m,p-Xylene	ND	10								
o-Xylene	ND	5.0								
Toluene	ND	5.0								
Xylenes, Total	ND	10								
Surr 1,2-Dichloroethane-d4	*47 96*	*5 0*	*50*	*0*	*95 9*	*70 - 128*				
Surr 4-Bromofluorobenzene	*48 85*	*5 0*	*50*	*0*	*97 7*	*73 - 126*				
Surr Dibromofluoromethane	*50 4*	*5 0*	*50*	*0*	*101*	*71 - 128*				
Surr Toluene-d8	*50 47*	*5 0*	*50*	*0*	*101*	*73 - 127*				

LCS Sample ID **VLCSS2-032715** Units **ug/Kg** Analysis Date **27-Mar-2015 19:31**
Client ID Run ID **VOA5_251823** SeqNo **3226555** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	50.94	5.0	50	0	102	79 - 122				
Ethylbenzene	48.67	5.0	50	0	97.3	80 - 122				
m,p-Xylene	97.55	10	100	0	97.6	79 - 122				
o-Xylene	49.63	5.0	50	0	99.3	80 - 123				
Toluene	48.29	5 0	50	0	96.6	79 - 120				
Xylenes, Total	147.2	10	150	0	98.1	80 - 120				
Surr 1,2-Dichloroethane-d4	*52 34*	*5 0*	*50*	*0*	*105*	*70 - 128*				
Surr 4-Bromofluorobenzene	*50 12*	*5 0*	*50*	*0*	*100*	*73 - 126*				
Surr Dibromofluoromethane	*53 14*	*5 0*	*50*	*0*	*106*	*71 - 128*				
Surr Toluene-d8	*50 58*	*5 0*	*50*	*0*	*101*	*73 - 127*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: R251823 **Instrument:** VOA5 **Method:** SW8260

MS Sample ID: HS15030995-10MS Units ug/Kg Analysis Date 27-Mar-2015 22:14
Client ID SP-2 Run ID. VOA5_251823 SeqNo 3226561 PrepDate DF. 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	46 27	5.0	50	0	92.5	79 - 122				
Ethylbenzene	40.63	5 0	50	0	81.3	80 - 122				
m,p-Xylene	79.29	10	100	0	79.3	79 - 122				
o-Xylene	40.07	5.0	50	0	80.1	80 - 123				
Toluene	41 4	5.0	50	0 5684	81.7	79 - 120				
Xylenes, Total	119 4	10	150	0	79.6	80 - 120				S
Surr 1,2-Dichloroethane-d4	*53 36*	*5 0*	*50*	*0*	*107*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 48*	*5 0*	*50*	*0*	*99 0*	*73 - 126*				
Surr Dibromofluoromethane	*54 78*	*5 0*	*50*	*0*	*110*	*71 - 128*				
Surr Toluene-d8	*50 17*	*5 0*	*50*	*0*	*100*	*73 - 127*				

MSD Sample ID HS15030995-10MSD Units ug/Kg Analysis Date 27-Mar-2015 22:38
Client ID SP-2 Run ID VOA5_251823 SeqNo 3226562 PrepDate DF 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	46.38	5.0	50	0	92 8	79 - 122	46.27	0.233	30	
Ethylbenzene	39.47	5.0	50	0	78.9	80 - 122	40.63	2.91	30	S
m,p-Xylene	76.3	10	100	0	76 3	79 - 122	79.29	3.84	30	S
o-Xylene	38.38	5.0	50	0	76.8	80 - 123	40.07	4.3	30	S
Toluene	40.64	5.0	50	0.5684	80.1	79 - 120	41.4	1.85	30	
Xylenes, Total	114.7	10	150	0	76 5	80 - 120	119.4	3.99	30	S
Surr 1,2-Dichloroethane-d4	*51 6*	*5 0*	*50*	*0*	*103*	*70 - 128*	*53 36*	*3 37*	*30*	
Surr 4-Bromofluorobenzene	*50 27*	*5 0*	*50*	*0*	*101*	*73 - 126*	*49 48*	*1 6*	*30*	
Surr Dibromofluoromethane	*50 76*	*5 0*	*50*	*0*	*102*	*71 - 128*	*54 78*	*7 62*	*30*	
Surr Toluene-d8	*50 78*	*5 0*	*50*	*0*	*102*	*73 - 127*	*50 17*	*1 22*	*30*	

The following samples were anayzed in this batch: HS15030995-01 HS15030995-10 HS15030995-13

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: R251826 **Instrument:** VOA3 **Method:** SW8260

MBLK Sample ID **VBLKM1-032715** Units **ug/Kg** Analysis Date **27-Mar-2015 17:19**
Client ID Run ID **VOA3_251826** SeqNo **3226683** PrepDate DF **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	250								
Ethylbenzene	ND	250								
m,p-Xylene	ND	500								
o-Xylene	ND	250								
Toluene	ND	250								
Xylenes, Total	ND	500								
Surr 1,2-Dichloroethane-d4	*2420*	*250*	*2500*	*0*	*96 8*	*70 - 128*				
Surr 4-Bromofluorobenzene	*2466*	*250*	*2500*	*0*	*98 7*	*73 - 126*				
Surr Dibromofluoromethane	*2468*	*250*	*2500*	*0*	*98 7*	*71 - 128*				
Surr Toluene-d8	*2561*	*250*	*2500*	*0*	*102*	*73 - 127*				

LCS Sample ID **VLCSW1-032715** Units **ug/L** Analysis Date **27-Mar-2015 16:27**
Client ID Run ID **VOA3_251826** SeqNo **3226681** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	50.71	5.0	50	0	101	73 - 121				
Ethylbenzene	55 79	5.0	50	0	112	80 - 120				
m,p-Xylene	110.1	10	100	0	110	78 - 121				
o-Xylene	54 21	5.0	50	0	108	80 - 120				
Toluene	52.8	5.0	50	0	106	80 - 120				
Xylenes, Total	164.3	15	150	0	110	80 - 120				
Surr 1,2-Dichloroethane-d4	*48 67*	*5 0*	*50*	*0*	*97 3*	*70 - 125*				
Surr 4-Bromofluorobenzene	*51 33*	*5 0*	*50*	*0*	*103*	*72 - 125*				
Surr Dibromofluoromethane	*50 57*	*5 0*	*50*	*0*	*101*	*71 - 125*				
Surr Toluene-d8	*50 84*	*5 0*	*50*	*0*	*102*	*75 - 125*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision: 2

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: R251826 **Instrument:** VOA3 **Method:** SW8260

MS Sample ID **HS15030995-02MS** Units **ug/Kg** Analysis Date **27-Mar-2015 18:36**
Client ID **Absorbent Pads** Run ID **VOA3_251826** SeqNo **3226686** PrepDate. DF **5000**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	246000	25000	250000	15950	92.0	79 - 122				
Ethylbenzene	603200	25000	250000	332200	108	80 - 122				
m,p-Xylene	1659000	50000	500000	1071000	117	79 - 122				
o-Xylene	794700	25000	250000	517100	111	80 - 123				
Toluene	830500	25000	250000	552400	111	79 - 120				
Xylenes, Total	2454000	50000	750000	1588000	115	80 - 120				
Surr 1,2-Dichloroethane-d4	*250900*	*25000*	*250000*	*0*	*100*	*70 - 128*				
Surr 4-Bromofluorobenzene	*258100*	*25000*	*250000*	*0*	*103*	*73 - 126*				
Surr Dibromofluoromethane	*254000*	*25000*	*250000*	*0*	*102*	*71 - 128*				
Surr Toluene-d8	*251800*	*25000*	*250000*	*0*	*101*	*73 - 127*				

MSD Sample ID **HS15030995-02MSD** Units **ug/Kg** Analysis Date **27-Mar-2015 19:02**
Client ID **Absorbent Pads** Run ID **VOA3_251826** SeqNo. **3226687** PrepDate DF. **5000**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	289200	25000	250000	15950	109	79 - 122	246000	16 2	30	
Ethylbenzene	682900	25000	250000	332200	140	80 - 122	603200	12.4	30	S
m,p-Xylene	1864000	50000	500000	1071000	159	79 - 122	1659000	11 7	30	S
o-Xylene	891100	25000	250000	517100	150	80 - 123	794700	11.4	30	S
Toluene	935000	25000	250000	552400	153	79 - 120	830500	11.8	30	S
Xylenes, Total	2755000	50000	750000	1588000	156	80 - 120	2454000	11 6	30	S
Surr 1,2-Dichloroethane-d4	*246700*	*25000*	*250000*	*0*	*98 7*	*70 - 128*	*250900*	*1 66*	*30*	
Surr 4-Bromofluorobenzene	*262300*	*25000*	*250000*	*0*	*105*	*73 - 126*	*258100*	*1 62*	*30*	
Surr Dibromofluoromethane	*251900*	*25000*	*250000*	*0*	*101*	*71 - 128*	*254000*	*0 843*	*30*	
Surr Toluene-d8	*255700*	*25000*	*250000*	*0*	*102*	*73 - 127*	*251800*	*1 55*	*30*	

The following samples were anayzed in this batch: HS15030995-02

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: R251834 **Instrument:** VOA1 **Method:** SW8260

MBLK Sample ID **VBLKW-150329** Units: **ug/L** Analysis Date **29-Mar-2015 13:39**
Client ID Run ID **VOA1_251834** SeqNo: **3226829** PrepDate. DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	5 0								
Ethylbenzene	ND	5.0								
Methyl tert-butyl ether	ND	5.0								
Toluene	ND	5.0								
Xylenes, Total	ND	15								
Surr 1,2-Dichloroethane-d4	*46 25*	*5 0*	*50*	*0*	*92 5*	*70 - 125*				
Surr 4-Bromofluorobenzene	*50 32*	*5 0*	*50*	*0*	*101*	*72 - 125*				
Surr Dibromofluoromethane	*46 33*	*5 0*	*50*	*0*	*92 7*	*71 - 125*				
Surr Toluene-d8	*47 95*	*5 0*	*50*	*0*	*95 9*	*75 - 125*				

LCS Sample ID **VLCSW-150329** Units **ug/L** Analysis Date **29-Mar-2015 12:49**
Client ID Run ID **VOA1_251834** SeqNo **3226828** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	42.54	5.0	50	0	85 1	73 - 121				
Ethylbenzene	44.99	5.0	50	0	90.0	80 - 120				
Methyl tert-butyl ether	48 3	5.0	50	0	96 6	70 - 125				
Toluene	43.69	5.0	50	0	87.4	80 - 120				
Xylenes, Total	130 6	15	150	0	87 0	80 - 120				
Surr 1,2-Dichloroethane-d4	*51 93*	*5 0*	*50*	*0*	*104*	*70 - 125*				
Surr 4-Bromofluorobenzene	*49 64*	*5 0*	*50*	*0*	*99 3*	*72 - 125*				
Surr Dibromofluoromethane	*49 78*	*5 0*	*50*	*0*	*99 6*	*71 - 125*				
Surr Toluene-d8	*49 04*	*5 0*	*50*	*0*	*98 1*	*75 - 125*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: R251834 **Instrument:** VOA1 **Method:** SW8260

MS Sample ID **HS15030965-07MS** Units **ug/L** Analysis Date **29-Mar-2015 15:18**
Client ID Run ID **VOA1_251834** SeqNo **3226833** PrepDate DF **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	510.4	25	250	331.3	71.6	73 - 121				S
Ethylbenzene	245 7	25	250	2.477	97.3	80 - 120				
Methyl tert-butyl ether	272 1	25	250	0	109	70 - 125				
Toluene	309 7	25	250	99.73	84 0	80 - 120				
Xylenes, Total	700.4	75	750	14.29	91.5	80 - 120				
Surr 1,2-Dichloroethane-d4	*253 8*	*25*	*250*	*0*	*102*	*70 - 125*				
Surr 4-Bromofluorobenzene	*250 7*	*25*	*250*	*0*	*100*	*72 - 125*				
Surr Dibromofluoromethane	*245 9*	*25*	*250*	*0*	*98 3*	*71 - 125*				
Surr Toluene-d8	*243 3*	*25*	*250*	*0*	*97 3*	*75 - 125*				

MSD Sample ID **HS15030965-07MSD** Units **ug/L** Analysis Date **29-Mar-2015 15:43**
Client ID Run ID **VOA1_251834** SeqNo **3226834** PrepDate. DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	506.3	25	250	331.3	70.0	73 - 121	510.4	0.811	20	S
Ethylbenzene	246.7	25	250	2 477	97.7	80 - 120	245.7	0.425	20	
Methyl tert-butyl ether	271.9	25	250	0	109	70 - 125	272.1	0.0673	20	
Toluene	336.1	25	250	99 73	94.6	80 - 120	309.7	8.19	20	
Xylenes, Total	746 1	75	750	14 29	97 6	78 - 121	700.4	6.32	20	
Surr 1,2-Dichloroethane-d4	*250 7*	*25*	*250*	*0*	*100*	*70 - 125*	*253 8*	*1 22*	*20*	
Surr 4-Bromofluorobenzene	*256 5*	*25*	*250*	*0*	*103*	*72 - 125*	*250 7*	*2 29*	*20*	
Surr Dibromofluoromethane	*243 5*	*25*	*250*	*0*	*97 4*	*71 - 125*	*245 9*	*0 963*	*20*	
Surr Toluene-d8	*252 8*	*25*	*250*	*0*	*101*	*75 - 125*	*243 3*	*3 84*	*20*	

The following samples were anayzed in this batch: HS15030995-03

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision: 2

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QC BATCH REPORT

Batch ID: R251791 **Instrument:** WetChem_HS **Method:** SM4500H+ B

LCS Sample ID **LCS-251791** Units **pH Units** Analysis Date **27-Mar-2015 16:48**
Client ID Run ID **WetChem_HS_251791** SeqNo: **3225773** PrepDate. DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6 02	0.100	6	0	100	97 - 103				

DUP Sample ID **HS15030995-03DUP** Units **pH Units** Analysis Date **27-Mar-2015 16:48**
Client ID **Discharge 032615** Run ID **WetChem_HS_251791** SeqNo **3225774** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6 73	0.100					6.67	0.896	10	

The following samples were anayzed in this batch: HS15030995-03

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
WorkOrder: HS15030995

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/Kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
pH units	

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	15-024-0	27-Mar-2016
California	2919	31-Jul-2016
Dept of Defense	L2231 Rev 3-20-2014	22-Dec-2015
Illinois	003403	09-May-2015
Kansas	E-10352 2014-2015	31-Jul-2015
Kentucky	KY 2014-2015	30-Apr-2015
Louisiana	03087 2014/2015	30-Jun-2015
North Carolina	624 - 2015	31-Dec-2015
North Dakota	R-193 2025	30-Apr-2015
Oklahoma	2014-128	31-Aug-2015
Texas	T104704231-14-14	30-Apr-2015

Client: Magellan Midstream Partners, LP
Project: Hearne Pipeline, MP55
Work Order: HS15030995

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS15030995-01	Grass	Login	3/27/2015 12 13 40 PM	RPG	Freezer-06
HS15030995-02	Absorbent Pads	Login	3/27/2015 12 13 40 PM	RPG	Freezer-06
HS15030995-03	Discharge 032615	Login	3/27/2015 12 13 40 PM	RPG	19D
HS15030995-03	Discharge 032615	Login	3/27/2015 12 13 40 PM	RPG	19D
HS15030995-03	Discharge 032615	Login	3/27/2015 12 13 40 PM	RPG	19D
HS15030995-03	Discharge 032615	Login	3/27/2015 12 13 40 PM	RPG	BTEX A1
HS15030995-03	Discharge 032615	Login	3/27/2015 12 13 40 PM	RPG	TPH C1
HS15030995-04	KOCH-1	Login	3/27/2015 12 13 40 PM	RPG	BTEX B2
HS15030995-05	KOCH-2	Login	3/27/2015 12 13 40 PM	RPG	BTEX B2
HS15030995-06	KOCH-3	Login	3/27/2015 12 13 40 PM	RPG	BTEX B2
HS15030995-07	KOCH-4	Login	3/27/2015 12 13 40 PM	RPG	BTEX B2
HS15030995-08	KOCH-5	Login	3/27/2015 12 13 40 PM	RPG	BTEX B2
HS15030995-09	SP-1	Login	3/27/2015 12 13 40 PM	RPG	BTEX B2
HS15030995-10	SP-2	Login	3/27/2015 12 13 40 PM	RPG	BTEX B2
HS15030995-11	CD-1	Login	3/27/2015 12 13 40 PM	RPG	BTEX B2
HS15030995-12	CD-2	Login	3/27/2015 12 13 40 PM	RPG	BTEX B2
HS15030995-13	CD-3	Login	3/27/2015 12 13 40 PM	RPG	BTEX B2
HS15030995-14	031215-34	Login	3/27/2015 12 13 40 PM	RPG	BTEX A1

Sample Receipt Checklist

Client Name	Magellan-Tulsa	Date/Time Received	27-Mar-2015 11:45
Work Order	HS15030995	Received by	DES

Checklist completed by	*Raegen Giga* (eSignature)	27-Mar-2015 (Date)	Reviewed by	*Sonia West* (eSignature) 30-Mar-2015 (Date)

Matrices: soil/water Carrier name: Client

	Yes	No	Not Present
Shipping container/cooler in good condition?	☑	☐	☐
Custody seals intact on shipping container/cooler?	☐	☐	☑
Custody seals intact on sample bottles?	☐	☐	☑
Chain of custody present?	☑	☐	
Chain of custody signed when relinquished and received?	☑	☐	
Chain of custody agrees with sample labels?	☑	☐	
Samples in proper container/bottle?	☐	☑	
Sample containers intact?	☑	☐	
Sufficient sample volume for indicated test?	☑	☐	
All samples received within holding time?	☑	☐	
Container/Temp Blank temperature in compliance?	☑	☐	
Temperature(s)/Thermometer(s)	1 4c/1.4c c/u		IR 3
Cooler(s)/Kit(s)	3074		
Date/Time sample(s) sent to storage	03/27/2015 12 30		
Water - VOA vials have zero headspace?	☑	☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	☑	☐	N/A ☐
pH adjusted?	☐	☑	N/A ☐
pH adjusted by			

Login Notes: TX1005 was received in bulk container

Client Contacted Date Contacted Person Contacted

Contacted By. 0 Regarding

Comments

Corrective Action

ALS Environmental

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Everett, WA +1 425 356 2600 | Holland, MI +1 616 399 6070

Chain of Custody Form

Page 2 of 2

COC ID: 122185

HS15030995

Magellan Midstream Partners, LP
Heare Pipeline, MPSS

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Heare Pipeline, MP55	A	TPH (TX 1005)
Work Order		Project Number		B	8260 - BTEX, MTBE
Company Name	Magellan Midstream Partners, LP	Bill To Company	Magellan	C	6020 - Lead
Send Report To		Invoice Attn	Steve Moyer	D	8270 PAH
Address	One Williams Center Mail Drop 27	Address		E	pH
				F	
City/State/Zip	Tulsa	City/State/Zip		G	
Phone	(918) 574-7383	Phone		H	
Fax		Fax		I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	CD-1	3-26-15	1505	Soil	8	1	X	X									
2	CD-2	3-26-15	1458	Soil	8	1	X	X									
3	CD-3	3-26-15	1432	Soil	8	1	X	X									
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Tim Clark

Shipment Method: Hand

Required Turnaround Time: (Check Box) ☐ Std. 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☒ 24 Hour ☐ Other

Results Due Date: 3/30/15

Notes:

Relinquished by:	Date:	Time:	Received by:
Relinquished by: Tim Clark	Date: 3-26-2015	Time: 6:17 pm	Received by:
Logged by (Laboratory):	Date: 3/27/15	Time: 1145	Checked by (Laboratory):

Cooler ID: 30-14 | Cooler Temp.: 1.4

QC Package: (Check One Box Below)
☐ Level 2 Std QC
☐ Level 3 Std QC/Row da
☐ Level 4 SW846/CLP
☐ Other/EDD
☐ TRRP ChkList
☐ TRRP Level 4

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Tel. +1 281 530 5656
Fax. +1 281 530 5887

Date: 3/26/1
Name: Dan
Company: Tri

USTODY SEAL
Time: 1700
Gibson
Seal Broken
Date: 3-27-

ALS Environmental
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

Date: 3/26/15
Name: Daniel
Company: Tri

STODY SEAL
Time: 1700
Gibson
Seal Broken
Date: 3-27-

FRI - 27 MAR 10:30A
TRK# 0215 8996 7018 8571 PRIORITY OVERNIGHT
77099
TX-US
IAH
XH SGRA

RIGHT SOLUTIONS | RIGHT PARTNER

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April 21, 2015

Steve Moyer
Magellan Midstream Partners, LP
One Williams Center
Mail Drop 27
Tulsa, OK 74172

Work Order: **HS15031039**

Revision **1**

Laboratory Results for: **Heame to Dallas 10"-M.P. 55**

Dear Steve,

ALS Environmental received 20 sample(s) on Mar 28, 2015 for the analysis presented in the following report.

This is a REVISED REPORT. Please see the Case Narrative for discussion concerning this revision.

Regards,

Sonia West

Generated By: Sonia.West

Sonia West
Project Manager

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10"-M.P. 55
Work Order: HS15031039

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS15031039-01	IS-5	Soil		27-Mar-2015 09 35	28-Mar-2015 09 30	☐
HS15031039-02	IS-6	Soil		27-Mar-2015 09 45	28-Mar-2015 09 30	☐
HS15031039-03	IS-7	Soil		27-Mar-2015 09 51	28-Mar-2015 09 30	☐
HS15031039-04	IS-8	Soil		27-Mar-2015 10 00	28-Mar-2015 09 30	☐
HS15031039-05	IS-9	Soil		27-Mar-2015 10 05	28-Mar-2015 09 30	☐
HS15031039-06	IS-10	Soil		27-Mar-2015 10 12	28-Mar-2015 09 30	☐
HS15031039-07	IS-11	Soil		27-Mar-2015 10 16	28-Mar-2015 09 30	☐
HS15031039-08	IS-12	Soil		27-Mar-2015 10 22	28-Mar-2015 09 30	☐
HS15031039-09	IS-13	Soil		27-Mar-2015 10:30	28-Mar-2015 09 30	☐
HS15031039-10	IS-14	Soil		27-Mar-2015 10 37	28-Mar-2015 09 30	☐
HS15031039-11	IS-15	Soil		27-Mar-2015 10 45	28-Mar-2015 09 30	☐
HS15031039-12	IS-16	Soil		27-Mar-2015 10 52	28-Mar-2015 09 30	☐
HS15031039-13	IS-17	Soil		27-Mar-2015 10 59	28-Mar-2015 09 30	☐
HS15031039-14	IS-18	Soil		27-Mar-2015 11:05	28-Mar-2015 09:30	☐
HS15031039-15	IS-19	Soil		27-Mar-2015 11 14	28-Mar-2015 09 30	☐
HS15031039-16	IS-20	Soil		27-Mar-2015 11 31	28-Mar-2015 09 30	☐
HS15031039-17	IS-21	Soil		27-Mar-2015 11 37	28-Mar-2015 09 30	☐
HS15031039-18	IS-22	Soil		27-Mar-2015 11 42	28-Mar-2015 09 30	☐
HS15031039-19	IS-23	Soil		27-Mar-2015 11 47	28-Mar-2015 09 30	☐
HS15031039-20	CD-4	Soil		27-Mar-2015 15 20	28-Mar-2015 09 30	☐

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10"-M.P. 55
Work Order: HS15031039

CASE NARRATIVE

Work Order Comments

- Revision I
  This report has been revised to report all results to the Reporting Limit (RL)

- The values report/detected for Toluene is suspected to be lab contamination. These samples were analyzed while the laboratory roof was being repaired. The glue used on the roof caused the contamination.

GC Semivolatiles by Method TX1005

Batch ID: 91873

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

GCMS Volatiles by Method SW8260

Batch ID: R251903

Sample ID **CD-4 (HS15031039-20)**
- MS/MSD failed QC limits for few compounds.

Batch ID: R251859

Sample ID **IS-9 (HS15031039-05)**
- MS/MSD failed QC limits for few compounds

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Heame to Dallas 10"-M.P. 55	WorkOrder:HS15031039
Sample ID:	IS-5	Lab ID:HS15031039-01
Collection Date:	27-Mar-2015 09:35	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0.0050	mg/Kg	1	30-Mar-2015 12 25
Ethylbenzene	ND		0.0050	mg/Kg	1	30-Mar-2015 12 25
m,p-Xylene	ND		0.010	mg/Kg	1	30-Mar-2015 12 25
o-Xylene	ND		0 0050	mg/Kg	1	30-Mar-2015 12 25
Toluene	ND		0.0050	mg/Kg	1	30-Mar-2015 12 25
Xylenes, Total	ND		0.010	mg/Kg	1	30-Mar-2015 12:25
Surr 1,2-Dichloroethane-d4	*86 7*		*70-128*	*%REC*	*1*	*30-Mar-2015 12 25*
Surr 4-Bromofluorobenzene	*93 8*		*73-126*	*%REC*	*1*	*30-Mar-2015 12 25*
Surr Dibromofluoromethane	*94 2*		*71-128*	*%REC*	*1*	*30-Mar-2015 12 25*
Surr Toluene-d8	*97 1*		*73-127*	*%REC*	*1*	*30-Mar-2015 12 25*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep:TX1005PR / 30-Mar-2015		Analyst: JKP
nC6 to nC12	ND		50	mg/Kg	1	30-Mar-2015 18 10
>nC12 to nC28	ND		50	mg/Kg	1	30-Mar-2015 18 10
>nC28 to nC35	ND		50	mg/Kg	1	30-Mar-2015 18 10
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	30-Mar-2015 18 10
Surr 2-Fluorobiphenyl	*78 9*		*70-130*	*%REC*	*1*	*30-Mar-2015 18 10*
Surr Trifluoromethyl benzene	*81 7*		*70-130*	*%REC*	*1*	*30-Mar-2015 18.10*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:1

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Heame to Dallas 10"-M.P. 55	WorkOrder.HS15031039
Sample ID:	IS-6	Lab ID HS15031039-02
Collection Date	27-Mar-2015 09:45	Matrix·Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0 0050	mg/Kg	1	30-Mar-2015 12 48
Ethylbenzene	ND		0.0050	mg/Kg	1	30-Mar-2015 12 48
m,p-Xylene	ND		0 010	mg/Kg	1	30-Mar-2015 12 48
o-Xylene	ND		0.0050	mg/Kg	1	30-Mar-2015 12 48
Toluene	ND		0 0050	mg/Kg	1	30-Mar-2015 12·48
Xylenes, Total	ND		0 010	mg/Kg	1	30-Mar-2015 12 48
Surr 1,2-Dichloroethane-d4	*90 1*		*70-128*	*%REC*	*1*	*30-Mar-2015 12 48*
Surr 4-Bromofluorobenzene	*96 6*		*73-126*	*%REC*	*1*	*30-Mar-2015 12 48*
Surr Dibromofluoromethane	*96 1*		*71-128*	*%REC*	*1*	*30-Mar-2015 12 48*
Surr Toluene-d8	*102*		*73-127*	*%REC*	*1*	*30-Mar-2015 12 48*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep.TX1005PR / 30-Mar-2015		Analyst: JKP
nC6 to nC12	ND		49	mg/Kg	1	30-Mar-2015 19 44
>nC12 to nC28	ND		49	mg/Kg	1	30-Mar-2015 19 44
>nC28 to nC35	ND		49	mg/Kg	1	30-Mar-2015 19 44
Total Petroleum Hydrocarbon	ND		49	mg/Kg	1	30-Mar-2015 19 44
Surr 2-Fluorobiphenyl	*84 4*		*70-130*	*%REC*	*1*	*30-Mar-2015 19 44*
Surr Trifluoromethyl benzene	*86 3*		*70-130*	*%REC*	*1*	*30-Mar-2015 19 44*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Heame to Dallas 10"-M.P. 55	WorkOrder:HS15031039
Sample ID:	IS-7	Lab ID:HS15031039-03
Collection Date:	27-Mar-2015 09:51	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0.0050	mg/Kg	1	30-Mar-2015 13 12
Ethylbenzene	ND		0.0050	mg/Kg	1	30-Mar-2015 13 12
m,p-Xylene	ND		0.010	mg/Kg	1	30-Mar-2015 13 12
o-Xylene	ND		0 0050	mg/Kg	1	30-Mar-2015 13 12
Toluene	ND		0.0050	mg/Kg	1	30-Mar-2015 13 12
Xylenes, Total	ND		0.010	mg/Kg	1	30-Mar-2015 13 12
Surr 1,2-Dichloroethane-d4	*93 2*		*70-128*	*%REC*	*1*	*30-Mar-2015 13 12*
Surr 4-Bromofluorobenzene	*94 9*		*73-126*	*%REC*	*1*	*30-Mar-2015 13 12*
Surr Dibromofluoromethane	*96 6*		*71-128*	*%REC*	*1*	*30-Mar-2015 13 12*
Surr Toluene-d8	*98 1*		*73-127*	*%REC*	*1*	*30-Mar-2015 13 12*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep:TX1005PR / 30-Mar-2015		Analyst: JKP
nC6 to nC12	ND		50	mg/Kg	1	30-Mar-2015 20 16
>nC12 to nC28	ND		50	mg/Kg	1	30-Mar-2015 20 16
>nC28 to nC35	ND		50	mg/Kg	1	30-Mar-2015 20 16
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	30-Mar-2015 20 16
Surr 2-Fluorobiphenyl	*85 9*		*70-130*	*%REC*	*1*	*30-Mar-2015 20 16*
Surr Trifluoromethyl benzene	*87 2*		*70-130*	*%REC*	*1*	*30-Mar-2015 20 16*

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision:1

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Heame to Dallas 10"-M.P. 55	WorkOrder HS15031039
Sample ID:	IS-8	Lab ID:HS15031039-04
Collection Date:	27-Mar-2015 10:00	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0.0050	mg/Kg	1	30-Mar-2015 13 35
Ethylbenzene	ND		0.0050	mg/Kg	1	30-Mar-2015 13 35
m,p-Xylene	ND		0.010	mg/Kg	1	30-Mar-2015 13 35
o-Xylene	ND		0 0050	mg/Kg	1	30-Mar-2015 13 35
Toluene	ND		0 0050	mg/Kg	1	30-Mar-2015 13 35
Xylenes, Total	ND		0.010	mg/Kg	1	30-Mar-2015 13 35
Surr 1,2-Dichloroethane-d4	*84 6*		*70-128*	*%REC*	*1*	*30-Mar-2015 13 35*
Surr 4-Bromofluorobenzene	*95 2*		*73-126*	*%REC*	*1*	*30-Mar-2015 13 35*
Surr Dibromofluoromethane	*93 6*		*71-128*	*%REC*	*1*	*30-Mar-2015 13 35*
Surr Toluene-d8	*99 1*		*73-127*	*%REC*	*1*	*30-Mar-2015 13 35*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 30-Mar-2015		Analyst: JKP
nC6 to nC12	ND		49	mg/Kg	1	30-Mar-2015 20 48
>nC12 to nC28	ND		49	mg/Kg	1	30-Mar-2015 20 48
>nC28 to nC35	ND		49	mg/Kg	1	30-Mar-2015 20 48
Total Petroleum Hydrocarbon	ND		49	mg/Kg	1	30-Mar-2015 20 48
Surr 2-Fluorobiphenyl	*99 9*		*70-130*	*%REC*	*1*	*30-Mar-2015 20 48*
Surr Trifluoromethyl benzene	*100*		*70-130*	*%REC*	*1*	*30-Mar-2015 20 48*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project.	Heame to Dallas 10"-M.P. 55	WorkOrder HS15031039
Sample ID	IS-9	Lab ID:HS15031039-05
Collection Date.	27-Mar-2015 10:05	Matrix Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0 0050	mg/Kg	1	30-Mar-2015 12 02
Ethylbenzene	ND		0.0050	mg/Kg	1	30-Mar-2015 12 02
m,p-Xylene	ND		0.010	mg/Kg	1	30-Mar-2015 12 02
o-Xylene	ND		0.0050	mg/Kg	1	30-Mar-2015 12 02
Toluene	ND		0.0050	mg/Kg	1	30-Mar-2015 12 02
Xylenes, Total	ND		0.010	mg/Kg	1	30-Mar-2015 12 02
Surr 1,2-Dichloroethane-d4	*86 2*		*70-128*	*%REC*	*1*	*30-Mar-2015 12 02*
Surr 4-Bromofluorobenzene	*95 7*		*73-126*	*%REC*	*1*	*30-Mar-2015 12 02*
Surr Dibromofluoromethane	*94 6*		*71-128*	*%REC*	*1*	*30-Mar-2015 12 02*
Surr Toluene-d8	*98 8*		*73-127*	*%REC*	*1*	*30-Mar-2015 12 02*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep.TX1005PR / 30-Mar-2015		Analyst. JKP
nC6 to nC12	ND		50	mg/Kg	1	30-Mar-2015 21 20
>nC12 to nC28	ND		50	mg/Kg	1	30-Mar-2015 21 20
>nC28 to nC35	ND		50	mg/Kg	1	30-Mar-2015 21 20
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	30-Mar-2015 21 20
Surr 2-Fluorobiphenyl	*81 4*		*70-130*	*%REC*	*1*	*30-Mar-2015 21 20*
Surr Trifluoromethyl benzene	*84 2*		*70-130*	*%REC*	*1*	*30-Mar-2015 21 20*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:1

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Heame to Dallas 10"-M.P. 55	WorkOrder HS15031039
Sample ID·	IS-10	Lab ID HS15031039-06
Collection Date.	27-Mar-2015 10·12	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0.0050	mg/Kg	1	30-Mar-2015 13 59
Ethylbenzene	ND		0.0050	mg/Kg	1	30-Mar-2015 13 59
m,p-Xylene	ND		0.010	mg/Kg	1	30-Mar-2015 13 59
o-Xylene	ND		0.0050	mg/Kg	1	30-Mar-2015 13 59
Toluene	ND		0.0050	mg/Kg	1	30-Mar-2015 13·59
Xylenes, Total	ND		0.010	mg/Kg	1	30-Mar-2015 13 59
Surr 1,2-Dichloroethane-d4	*95 9*		*70-128*	*%REC*	*1*	*30-Mar-2015 13 59*
Surr 4-Bromofluorobenzene	*98 2*		*73-126*	*%REC*	*1*	*30-Mar-2015 13 59*
Surr Dibromofluoromethane	*97 4*		*71-128*	*%REC*	*1*	*30-Mar-2015 13 59*
Surr Toluene-d8	*99 4*		*73-127*	*%REC*	*1*	*30-Mar-2015 13 59*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep.TX1005PR / 30-Mar-2015		Analyst: JKP
nC6 to nC12	ND		50	mg/Kg	1	30-Mar-2015 21 51
>nC12 to nC28	ND		50	mg/Kg	1	30-Mar-2015 21.51
>nC28 to nC35	ND		50	mg/Kg	1	30-Mar-2015 21 51
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	30-Mar-2015 21 51
Surr 2-Fluorobiphenyl	*84 4*		*70-130*	*%REC*	*1*	*30-Mar-2015 21 51*
Surr Trifluoromethyl benzene	*86 8*		*70-130*	*%REC*	*1*	*30-Mar-2015 21 51*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:1

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Heame to Dallas 10"-M.P. 55	WorkOrder HS15031039
Sample ID:	IS-11	Lab ID.HS15031039-07
Collection Date	27-Mar-2015 10:16	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0 0050	mg/Kg	1	30-Mar-2015 14 22
Ethylbenzene	ND		0.0050	mg/Kg	1	30-Mar-2015 14 22
m,p-Xylene	ND		0 010	mg/Kg	1	30-Mar-2015 14 22
o-Xylene	ND		0.0050	mg/Kg	1	30-Mar-2015 14 22
Toluene	ND		0 0050	mg/Kg	1	30-Mar-2015 14 22
Xylenes, Total	ND		0.010	mg/Kg	1	30-Mar-2015 14 22
Surr 1,2-Dichloroethane-d4	*94 0*		*70-128*	*%REC*	*1*	*30-Mar-2015 14 22*
Surr 4-Bromofluorobenzene	*96 2*		*73-126*	*%REC*	*1*	*30-Mar-2015 14 22*
Surr Dibromofluoromethane	*98 0*		*71-128*	*%REC*	*1*	*30-Mar-2015 14 22*
Surr Toluene-d8	*99 4*		*73-127*	*%REC*	*1*	*30-Mar-2015 14 22*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 30-Mar-2015		Analyst: JKP
nC6 to nC12	ND		50	mg/Kg	1	30-Mar-2015 22 23
>nC12 to nC28	**320**		**50**	**mg/Kg**	1	30-Mar-2015 22 23
>nC28 to nC35	ND		50	mg/Kg	1	30-Mar-2015 22 23
Total Petroleum Hydrocarbon	**320**		**50**	**mg/Kg**	1	30-Mar-2015 22 23
Surr 2-Fluorobiphenyl	*88 4*		*70-130*	*%REC*	*1*	*30-Mar-2015 22 23*
Surr Trifluoromethyl benzene	*88 9*		*70-130*	*%REC*	*1*	*30-Mar-2015 22 23*

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision:1

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project.	Heame to Dallas 10"-M.P. 55	WorkOrder:HS15031039
Sample ID:	IS-12	Lab ID:HS15031039-08
Collection Date:	27-Mar-2015 10:22	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0.0050	mg/Kg	1	30-Mar-2015 14 45
Ethylbenzene	ND		0.0050	mg/Kg	1	30-Mar-2015 14 45
m,p-Xylene	ND		0.010	mg/Kg	1	30-Mar-2015 14 45
o-Xylene	ND		0.0050	mg/Kg	1	30-Mar-2015 14 45
Toluene	ND		0.0050	mg/Kg	1	30-Mar-2015 14 45
Xylenes, Total	ND		0 010	mg/Kg	1	30-Mar-2015 14 45
Surr 1,2-Dichloroethane-d4	*97 9*		*70-128*	*%REC*	*1*	*30-Mar-2015 14 45*
Surr 4-Bromofluorobenzene	*97 8*		*73-126*	*%REC*	*1*	*30-Mar-2015 14 45*
Surr Dibromofluoromethane	*99 6*		*71-128*	*%REC*	*1*	*30-Mar-2015 14 45*
Surr Toluene-d8	*100*		*73-127*	*%REC*	*1*	*30-Mar-2015 14 45*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep:TX1005PR / 30-Mar-2015		Analyst: JKP
nC6 to nC12	ND		50	mg/Kg	1	30-Mar-2015 22 55
>nC12 to nC28	ND		50	mg/Kg	1	30-Mar-2015 22 55
>nC28 to nC35	ND		50	mg/Kg	1	30-Mar-2015 22 55
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	30-Mar-2015 22 55
Surr 2-Fluorobiphenyl	*102*		*70-130*	*%REC*	*1*	*30-Mar-2015 22 55*
Surr Trifluoromethyl benzene	*102*		*70-130*	*%REC*	*1*	*30-Mar-2015 22 55*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:1

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Heame to Dallas 10"-M.P. 55	WorkOrder:HS15031039
Sample ID	IS-13	Lab ID HS15031039-09
Collection Date	27-Mar-2015 10:30	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0.0050	mg/Kg	1	30-Mar-2015 15 09
Ethylbenzene	ND		0.0050	mg/Kg	1	30-Mar-2015 15 09
m,p-Xylene	ND		0.010	mg/Kg	1	30-Mar-2015 15 09
o-Xylene	ND		0.0050	mg/Kg	1	30-Mar-2015 15 09
Toluene	**0.0053**		**0.0050**	**mg/Kg**	1	30-Mar-2015 15 09
Xylenes, Total	ND		0 010	mg/Kg	1	30-Mar-2015 15 09
Surr 1,2-Dichloroethane-d4	*91 6*		*70-128*	*%REC*	*1*	*30-Mar-2015 15 09*
Surr 4-Bromofluorobenzene	*95 1*		*73-126*	*%REC*	*1*	*30-Mar-2015 15 09*
Surr Dibromofluoromethane	*97 2*		*71-128*	*%REC*	*1*	*30-Mar-2015 15 09*
Surr Toluene-d8	*102*		*73-127*	*%REC*	*1*	*30-Mar-2015 15 09*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 30-Mar-2015		Analyst. JKP
nC6 to nC12	ND		50	mg/Kg	1	30-Mar-2015 23 26
>nC12 to nC28	ND		50	mg/Kg	1	30-Mar-2015 23 26
>nC28 to nC35	ND		50	mg/Kg	1	30-Mar-2015 23 26
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	30-Mar-2015 23 26
Surr 2-Fluorobiphenyl	*92 1*		*70-130*	*%REC*	*1*	*30-Mar-2015 23 26*
Surr Trifluoromethyl benzene	*93 2*		*70-130*	*%REC*	*1*	*30-Mar-2015 23 26*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Heame to Dallas 10"-M.P. 55	WorkOrder:HS15031039
Sample ID.	IS-14	Lab ID:HS15031039-10
Collection Date:	27-Mar-2015 10 37	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0 0050	mg/Kg	1	30-Mar-2015 15 32
Ethylbenzene	ND		0.0050	mg/Kg	1	30-Mar-2015 15 32
m,p-Xylene	ND		0.010	mg/Kg	1	30-Mar-2015 15 32
o-Xylene	ND		0 0050	mg/Kg	1	30-Mar-2015 15 32
Toluene	**0.012**		**0.0050**	**mg/Kg**	1	30-Mar-2015 15 32
Xylenes, Total	ND		0.010	mg/Kg	1	30-Mar-2015 15 32
Surr 1,2-Dichloroethane-d4	*90 0*		*70-128*	*%REC*	*1*	*30-Mar-2015 15 32*
Surr 4-Bromofluorobenzene	*97 1*		*73-126*	*%REC*	*1*	*30-Mar-2015 15 32*
Surr Dibromofluoromethane	*96 9*		*71-128*	*%REC*	*1*	*30-Mar-2015 15 32*
Surr Toluene-d8	*103*		*73-127*	*%REC*	*1*	*30-Mar-2015 15 32*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep.TX1005PR / 30-Mar-2015		Analyst. JKP
nC6 to nC12	ND		49	mg/Kg	1	30-Mar-2015 23 57
>nC12 to nC28	ND		49	mg/Kg	1	30-Mar-2015 23 57
>nC28 to nC35	ND		49	mg/Kg	1	30-Mar-2015 23 57
Total Petroleum Hydrocarbon	ND		49	mg/Kg	1	30-Mar-2015 23 57
Surr 2-Fluorobiphenyl	*85 4*		*70-130*	*%REC*	*1*	*30-Mar-2015 23 57*
Surr Trifluoromethyl benzene	*87 4*		*70-130*	*%REC*	*1*	*30-Mar-2015 23 57*

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision:1

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Heame to Dallas 10"-M.P. 55	WorkOrder:HS15031039
Sample ID	IS-15	Lab ID HS15031039-11
Collection Date:	27-Mar-2015 10.45	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst. WLR
Benzene	ND		0 0050	mg/Kg	1	30-Mar-2015 15 56
Ethylbenzene	ND		0 0050	mg/Kg	1	30-Mar-2015 15 56
m,p-Xylene	ND		0.010	mg/Kg	1	30-Mar-2015 15 56
o-Xylene	ND		0 0050	mg/Kg	1	30-Mar-2015 15 56
Toluene	**0.0050**		**0.0050**	**mg/Kg**	1	30-Mar-2015 15 56
Xylenes, Total	ND		0.010	mg/Kg	1	30-Mar-2015 15 56
Surr 1,2-Dichloroethane-d4	*91 6*		*70-128*	*%REC*	*1*	*30-Mar-2015 15 56*
Surr 4-Bromofluorobenzene	*97 5*		*73-126*	*%REC*	*1*	*30-Mar-2015 15 56*
Surr Dibromofluoromethane	*98 1*		*71-128*	*%REC*	*1*	*30-Mar-2015 15 56*
Surr Toluene-d8	*100*		*73-127*	*%REC*	*1*	*30-Mar-2015 15 56*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep.TX1005PR / 30-Mar-2015		Analyst. JKP
nC6 to nC12	ND		50	mg/Kg	1	31-Mar-2015 02 04
>nC12 to nC28	**77**		**50**	**mg/Kg**	1	31-Mar-2015 02 04
>nC28 to nC35	ND		50	mg/Kg	1	31-Mar-2015 02 04
Total Petroleum Hydrocarbon	**77.0**		**50**	**mg/Kg**	1	31-Mar-2015 02 04
Surr 2-Fluorobiphenyl	*88 3*		*70-130*	*%REC*	*1*	*31-Mar-2015 02 04*
Surr Trifluoromethyl benzene	*89 1*		*70-130*	*%REC*	*1*	*31-Mar-2015 02 04*

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision:1

Client.	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Heame to Dallas 10"-M.P. 55	WorkOrder:HS15031039
Sample ID:	IS-16	Lab ID:HS15031039-12
Collection Date	27-Mar-2015 10:52	Matrix.Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0.0050	mg/Kg	1	30-Mar-2015 16 19
Ethylbenzene	ND		0.0050	mg/Kg	1	30-Mar-2015 16 19
m,p-Xylene	ND		0.010	mg/Kg	1	30-Mar-2015 16 19
o-Xylene	ND		0 0050	mg/Kg	1	30-Mar-2015 16 19
Toluene	**0.0051**		**0.0050**	**mg/Kg**	1	30-Mar-2015 16 19
Xylenes, Total	ND		0.010	mg/Kg	1	30-Mar-2015 16 19
Surr 1,2-Dichloroethane-d4	*90 4*		*70-128*	*%REC*	*1*	*30-Mar-2015 16 19*
Surr 4-Bromofluorobenzene	*97 0*		*73-126*	*%REC*	*1*	*30-Mar-2015 16 19*
Surr Dibromofluoromethane	*94 9*		*71-128*	*%REC*	*1*	*30-Mar-2015 16 19*
Surr Toluene-d8	*99 9*		*73-127*	*%REC*	*1*	*30-Mar-2015 16 19*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep:TX1005PR / 30-Mar-2015		Analyst. JKP
nC6 to nC12	ND		50	mg/Kg	1	31-Mar-2015 02 37
>nC12 to nC28	ND		50	mg/Kg	1	31-Mar-2015 02 37
>nC28 to nC35	ND		50	mg/Kg	1	31-Mar-2015 02 37
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	31-Mar-2015 02 37
Surr 2-Fluorobiphenyl	*82 8*		*70-130*	*%REC*	*1*	*31-Mar-2015 02 37*
Surr Trifluoromethyl benzene	*85 1*		*70-130*	*%REC*	*1*	*31-Mar-2015 02 37*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:1

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Heame to Dallas 10"-M.P. 55	WorkOrder:HS15031039
Sample ID:	IS-17	Lab ID·HS15031039-13
Collection Date:	27-Mar-2015 10·59	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst. WLR
Benzene	ND		0 0050	mg/Kg	1	30-Mar-2015 16 42
Ethylbenzene	ND		0 0050	mg/Kg	1	30-Mar-2015 16 42
m,p-Xylene	ND		0.010	mg/Kg	1	30-Mar-2015 16 42
o-Xylene	ND		0 0050	mg/Kg	1	30-Mar-2015 16 42
Toluene	**0.0060**		**0.0050**	**mg/Kg**	1	30-Mar-2015 16 42
Xylenes, Total	ND		0.010	mg/Kg	1	30-Mar-2015 16 42
Surr 1,2-Dichloroethane-d4	*94 9*		*70-128*	*%REC*	*1*	*30-Mar-2015 16 42*
Surr 4-Bromofluorobenzene	*98 4*		*73-126*	*%REC*	*1*	*30-Mar-2015 16 42*
Surr Dibromofluoromethane	*101*		*71-128*	*%REC*	*1*	*30-Mar-2015 16 42*
Surr Toluene-d8	*100*		*73-127*	*%REC*	*1*	*30-Mar-2015 16 42*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep:TX1005PR / 30-Mar-2015		Analyst. JKP
nC6 to nC12	ND		50	mg/Kg	1	31-Mar-2015 03 08
>nC12 to nC28	ND		50	mg/Kg	1	31-Mar-2015 03 08
>nC28 to nC35	ND		50	mg/Kg	1	31-Mar-2015 03 08
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	31-Mar-2015 03 08
Surr 2-Fluorobiphenyl	*81 0*		*70-130*	*%REC*	*1*	*31-Mar-2015 03 08*
Surr Trifluoromethyl benzene	*83 8*		*70-130*	*%REC*	*1*	*31-Mar-2015 03 08*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:1

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Heame to Dallas 10"-M.P. 55	WorkOrder HS15031039
Sample ID:	IS-18	Lab ID HS15031039-14
Collection Date	27-Mar-2015 11 05	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0.0050	mg/Kg	1	30-Mar-2015 17.06
Ethylbenzene	ND		0.0050	mg/Kg	1	30-Mar-2015 17 06
m,p-Xylene	ND		0.010	mg/Kg	1	30-Mar-2015 17 06
o-Xylene	ND		0.0050	mg/Kg	1	30-Mar-2015 17 06
Toluene	**0.0063**		**0.0050**	**mg/Kg**	1	30-Mar-2015 17 06
Xylenes, Total	ND		0.010	mg/Kg	1	30-Mar-2015 17 06
Surr 1,2-Dichloroethane-d4	*92 2*		*70-128*	*%REC*	*1*	*30-Mar-2015 17 06*
Surr 4-Bromofluorobenzene	*94 8*		*73-126*	*%REC*	*1*	*30-Mar-2015 17 06*
Surr Dibromofluoromethane	*96 5*		*71-128*	*%REC*	*1*	*30-Mar-2015 17 06*
Surr Toluene-d8	*102*		*73-127*	*%REC*	*1*	*30-Mar-2015 17 06*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 30-Mar-2015		Analyst: JKP
nC6 to nC12	ND		49	mg/Kg	1	31-Mar-2015 03 40
>nC12 to nC28	ND		49	mg/Kg	1	31-Mar-2015 03 40
>nC28 to nC35	ND		49	mg/Kg	1	31-Mar-2015 03 40
Total Petroleum Hydrocarbon	ND		49	mg/Kg	1	31-Mar-2015 03.40
Surr 2-Fluorobiphenyl	*85 0*		*70-130*	*%REC*	*1*	*31-Mar-2015 03 40*
Surr Trifluoromethyl benzene	*86 9*		*70-130*	*%REC*	*1*	*31-Mar-2015 03 40*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Heame to Dallas 10"-M.P. 55	WorkOrder HS15031039
Sample ID.	IS-19	Lab ID HS15031039-15
Collection Date	27-Mar-2015 11:14	Matrix Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0 0050	mg/Kg	1	30-Mar-2015 17 29
Ethylbenzene	ND		0 0050	mg/Kg	1	30-Mar-2015 17 29
m,p-Xylene	ND		0.010	mg/Kg	1	30-Mar-2015 17 29
o-Xylene	ND		0.0050	mg/Kg	1	30-Mar-2015 17 29
Toluene	**0.0060**		**0.0050**	**mg/Kg**	1	30-Mar-2015 17 29
Xylenes, Total	ND		0.010	mg/Kg	1	30-Mar-2015 17 29
Surr 1,2-Dichloroethane-d4	*92 7*		*70-128*	*%REC*	*1*	*30-Mar-2015 17 29*
Surr 4-Bromofluorobenzene	*96 8*		*73-126*	*%REC*	*1*	*30-Mar-2015 17 29*
Surr Dibromofluoromethane	*100*		*71-128*	*%REC*	*1*	*30-Mar-2015 17 29*
Surr Toluene-d8	*101*		*73-127*	*%REC*	*1*	*30-Mar-2015 17 29*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 30-Mar-2015		Analyst: JKP
nC6 to nC12	ND		50	mg/Kg	1	31-Mar-2015 04 12
>nC12 to nC28	ND		50	mg/Kg	1	31-Mar-2015 04 12
>nC28 to nC35	ND		50	mg/Kg	1	31-Mar-2015 04 12
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	31-Mar-2015 04 12
Surr 2-Fluorobiphenyl	*77 0*		*70-130*	*%REC*	*1*	*31-Mar-2015 04 12*
Surr Trifluoromethyl benzene	*80 8*		*70-130*	*%REC*	*1*	*31-Mar-2015 04 12*

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision:1

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Heame to Dallas 10"-M.P. 55	WorkOrder.HS15031039
Sample ID·	IS-20	Lab ID:HS15031039-16
Collection Date	27-Mar-2015 11 31	Matrix Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0 0050	mg/Kg	1	30-Mar-2015 17 52
Ethylbenzene	ND		0 0050	mg/Kg	1	30-Mar-2015 17 52
m,p-Xylene	ND		0.010	mg/Kg	1	30-Mar-2015 17 52
o-Xylene	ND		0.0050	mg/Kg	1	30-Mar-2015 17 52
Toluene	ND		0 0050	mg/Kg	1	30-Mar-2015 17 52
Xylenes, Total	ND		0.010	mg/Kg	1	30-Mar-2015 17 52
Surr 1,2-Dichloroethane-d4	*92 3*		*70-128*	*%REC*	*1*	*30-Mar-2015 17 52*
Surr 4-Bromofluorobenzene	*95 6*		*73-126*	*%REC*	*1*	*30-Mar-2015 17 52*
Surr Dibromofluoromethane	*98 5*		*71-128*	*%REC*	*1*	*30-Mar-2015 17 52*
Surr Toluene-d8	*100*		*73-127*	*%REC*	*1*	*30-Mar-2015 17 52*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 30-Mar-2015		Analyst: JKP
nC6 to nC12	ND		50	mg/Kg	1	31-Mar-2015 04 44
>nC12 to nC28	ND		50	mg/Kg	1	31-Mar-2015 04 44
>nC28 to nC35	ND		50	mg/Kg	1	31-Mar-2015 04 44
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	31-Mar-2015 04 44
Surr 2-Fluorobiphenyl	*83 6*		*70-130*	*%REC*	*1*	*31-Mar-2015 04 44*
Surr Trifluoromethyl benzene	*85 6*		*70-130*	*%REC*	*1*	*31-Mar-2015 04 44*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:1

Client.	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Heame to Dallas 10"-M.P. 55	WorkOrder HS15031039
Sample ID:	IS-21	Lab ID:HS15031039-17
Collection Date	27-Mar-2015 11 37	Matrix.Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst: WLR
Benzene	ND		0 0050	mg/Kg	1	30-Mar-2015 18 16
Ethylbenzene	ND		0.0050	mg/Kg	1	30-Mar-2015 18 16
m,p-Xylene	ND		0 010	mg/Kg	1	30-Mar-2015 18 16
o-Xylene	ND		0.0050	mg/Kg	1	30-Mar-2015 18 16
Toluene	ND		0.0050	mg/Kg	1	30-Mar-2015 18 16
Xylenes, Total	ND		0 010	mg/Kg	1	30-Mar-2015 18 16
Surr 1,2-Dichloroethane-d4	*93 9*		*70-128*	*%REC*	*1*	*30-Mar-2015 18 16*
Surr 4-Bromofluorobenzene	*98 0*		*73-126*	*%REC*	*1*	*30-Mar-2015 18 16*
Surr Dibromofluoromethane	*100*		*71-128*	*%REC*	*1*	*30-Mar-2015 18 16*
Surr Toluene-d8	*102*		*73-127*	*%REC*	*1*	*30-Mar-2015 18 16*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 30-Mar-2015		Analyst. JKP
nC6 to nC12	ND		50	mg/Kg	1	31-Mar-2015 05 15
>nC12 to nC28	ND		50	mg/Kg	1	31-Mar-2015 05 15
>nC28 to nC35	ND		50	mg/Kg	1	31-Mar-2015 05 15
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	31-Mar-2015 05 15
Surr 2-Fluorobiphenyl	*81 3*		*70-130*	*%REC*	*1*	*31-Mar-2015 05 15*
Surr Trifluoromethyl benzene	*83 8*		*70-130*	*%REC*	*1*	*31-Mar-2015 05 15*

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision:1

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project.	Heame to Dallas 10"-M.P. 55	WorkOrder.HS15031039
Sample ID:	IS-22	Lab ID HS15031039-18
Collection Date:	27-Mar-2015 11:42	Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				**Analyst: WLR**
Benzene	ND		0.0050	mg/Kg	1	30-Mar-2015 18 39
Ethylbenzene	ND		0.0050	mg/Kg	1	30-Mar-2015 18 39
m,p-Xylene	ND		0 010	mg/Kg	1	30-Mar-2015 18 39
o-Xylene	ND		0.0050	mg/Kg	1	30-Mar-2015 18 39
Toluene	**0.0060**		**0.0050**	**mg/Kg**	1	30-Mar-2015 18 39
Xylenes, Total	ND		0 010	mg/Kg	1	30-Mar-2015 18 39
Surr 1,2-Dichloroethane-d4	*98 5*		*70-128*	*%REC*	*1*	*30-Mar-2015 18 39*
Surr 4-Bromofluorobenzene	*97 5*		*73-126*	*%REC*	*1*	*30-Mar-2015 18 39*
Surr Dibromofluoromethane	*102*		*71-128*	*%REC*	*1*	*30-Mar-2015 18 39*
Surr Toluene-d8	*102*		*73-127*	*%REC*	*1*	*30-Mar-2015 18 39*
TEXAS TPH BY TX1005		**Method:TX1005**		**Prep.TX1005PR / 30-Mar-2015**		**Analyst. JKP**
nC6 to nC12	ND		50	mg/Kg	1	31-Mar-2015 05 47
>nC12 to nC28	ND		50	mg/Kg	1	31-Mar-2015 05 47
>nC28 to nC35	ND		50	mg/Kg	1	31-Mar-2015 05 47
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	31-Mar-2015 05 47
Surr 2-Fluorobiphenyl	*79 1*		*70-130*	*%REC*	*1*	*31-Mar-2015 05 47*
Surr Trifluoromethyl benzene	*82 2*		*70-130*	*%REC*	*1*	*31-Mar-2015 05 47*

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision:1

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Heame to Dallas 10"-M.P. 55	WorkOrder HS15031039
Sample ID	IS-23	Lab ID HS15031039-19
Collection Date:	27-Mar-2015 11:47	Matrix.Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				Analyst WLR
Benzene	ND		0.0050	mg/Kg	1	30-Mar-2015 19 03
Ethylbenzene	ND		0.0050	mg/Kg	1	30-Mar-2015 19 03
m,p-Xylene	ND		0 010	mg/Kg	1	30-Mar-2015 19 03
o-Xylene	ND		0.0050	mg/Kg	1	30-Mar-2015 19 03
Toluene	**0.0062**		**0.0050**	**mg/Kg**	1	30-Mar-2015 19 03
Xylenes, Total	ND		0 010	mg/Kg	1	30-Mar-2015 19 03
Surr 1,2-Dichloroethane-d4	*93 9*		*70-128*	*%REC*	*1*	*30-Mar-2015 19 03*
Surr 4-Bromofluorobenzene	*96 6*		*73-126*	*%REC*	*1*	*30-Mar-2015 19 03*
Surr Dibromofluoromethane	*101*		*71-128*	*%REC*	*1*	*30-Mar-2015 19 03*
Surr Toluene-d8	*102*		*73-127*	*%REC*	*1*	*30-Mar-2015 19 03*
TEXAS TPH BY TX1005		**Method:TX1005**		Prep TX1005PR / 30-Mar-2015		Analyst: JKP
nC6 to nC12	ND		50	mg/Kg	1	31-Mar-2015 06 19
>nC12 to nC28	ND		50	mg/Kg	1	31-Mar-2015 06 19
>nC28 to nC35	ND		50	mg/Kg	1	31-Mar-2015 06 19
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	31-Mar-2015 06 19
Surr 2-Fluorobiphenyl	*80 0*		*70-130*	*%REC*	*1*	*31-Mar-2015 06 19*
Surr Trifluoromethyl benzene	*82 9*		*70-130*	*%REC*	*1*	*31-Mar-2015 06 19*

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision:1

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Heame to Dallas 10"-M.P. 55	WorkOrder HS15031039
Sample ID	CD-4	Lab ID:HS15031039-20
Collection Date:	27-Mar-2015 15.20	Matrix Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**				**Analyst: WLR**
Benzene	ND		0.0050	mg/Kg	1	30-Mar-2015 22 09
Ethylbenzene	ND		0 0050	mg/Kg	1	30-Mar-2015 22 09
m,p-Xylene	ND		0 010	mg/Kg	1	30-Mar-2015 22 09
o-Xylene	ND		0 0050	mg/Kg	1	30-Mar-2015 22 09
Toluene	ND		0 0050	mg/Kg	1	30-Mar-2015 22 09
Xylenes, Total	ND		0.010	mg/Kg	1	30-Mar-2015 22 09
Surr 1,2-Dichloroethane-d4	*86 4*		*70-128*	*%REC*	*1*	*30-Mar-2015 22 09*
Surr 4-Bromofluorobenzene	*95 2*		*73-126*	*%REC*	*1*	*30-Mar-2015 22 09*
Surr Dibromofluoromethane	*98 7*		*71-128*	*%REC*	*1*	*30-Mar-2015 22 09*
Surr Toluene-d8	*101*		*73-127*	*%REC*	*1*	*30-Mar-2015 22 09*
TEXAS TPH BY TX1005		**Method:TX1005**		**Prep.TX1005PR / 30-Mar-2015**		**Analyst: JKP**
nC6 to nC12	ND		50	mg/Kg	1	31-Mar-2015 06 51
>nC12 to nC28	ND		50	mg/Kg	1	31-Mar-2015 06 51
>nC28 to nC35	ND		50	mg/Kg	1	31-Mar-2015 06 51
Total Petroleum Hydrocarbon	ND		50	mg/Kg	1	31-Mar-2015 06.51
Surr 2-Fluorobiphenyl	*83 1*		*70-130*	*%REC*	*1*	*31-Mar-2015 06 51*
Surr Trifluoromethyl benzene	*84 7*		*70-130*	*%REC*	*1*	*31-Mar-2015 06 51*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Revision:1

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10"-M.P. 55
WorkOrder: HS15031039

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID 91873	**Test Name :** TEXAS TPH BY TX1005			**Matrix:** Soil		
HS15031039-01	IS-5	27 Mar 2015 09 35		30 Mar 2015 12 30	30 Mar 2015 18 10	1
HS15031039-02	IS-6	27 Mar 2015 09 45		30 Mar 2015 12 30	30 Mar 2015 19 44	1
HS15031039-03	IS-7	27 Mar 2015 09 51		30 Mar 2015 12 30	30 Mar 2015 20 16	1
HS15031039-04	IS-8	27 Mar 2015 10 00		30 Mar 2015 12 30	30 Mar 2015 20 48	1
HS15031039-05	IS-9	27 Mar 2015 10 05		30 Mar 2015 12 30	30 Mar 2015 21 20	1
HS15031039-06	IS-10	27 Mar 2015 10 12		30 Mar 2015 12 30	30 Mar 2015 21 51	1
HS15031039-07	IS-11	27 Mar 2015 10 16		30 Mar 2015 12 30	30 Mar 2015 22 23	1
HS15031039-08	IS-12	27 Mar 2015 10 22		30 Mar 2015 12 30	30 Mar 2015 22 55	1
HS15031039-09	IS-13	27 Mar 2015 10 30		30 Mar 2015 12 30	30 Mar 2015 23 26	1
HS15031039-10	IS-14	27 Mar 2015 10 37		30 Mar 2015 12 30	30 Mar 2015 23 57	1
HS15031039-11	IS-15	27 Mar 2015 10 45		30 Mar 2015 12 30	31 Mar 2015 02 04	1
HS15031039-12	IS-16	27 Mar 2015 10 52		30 Mar 2015 12 30	31 Mar 2015 02 37	1
HS15031039-13	IS-17	27 Mar 2015 10 59		30 Mar 2015 12 30	31 Mar 2015 03 08	1
HS15031039-14	IS-18	27 Mar 2015 11 05		30 Mar 2015 12 30	31 Mar 2015 03 40	1
HS15031039-15	IS-19	27 Mar 2015 11 14		30 Mar 2015 12 30	31 Mar 2015 04 12	1
HS15031039-16	IS-20	27 Mar 2015 11 31		30 Mar 2015 12 30	31 Mar 2015 04 44	1
HS15031039-17	IS-21	27 Mar 2015 11 37		30 Mar 2015 12 30	31 Mar 2015 05 15	1
HS15031039-18	IS-22	27 Mar 2015 11 42		30 Mar 2015 12 30	31 Mar 2015 05 47	1
HS15031039-19	IS-23	27 Mar 2015 11 47		30 Mar 2015 12 30	31 Mar 2015 06 19	1
HS15031039-20	CD-4	27 Mar 2015 15 20		30 Mar 2015 12 30	31 Mar 2015 06 51	1

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10"-M.P. 55
WorkOrder: HS15031039

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID R251859	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Soil		
HS15031039-01	IS-5	27 Mar 2015 09 35			30 Mar 2015 12 25	1
HS15031039-02	IS-6	27 Mar 2015 09 45			30 Mar 2015 12 48	1
HS15031039-03	IS-7	27 Mar 2015 09 51			30 Mar 2015 13 12	1
HS15031039-04	IS-8	27 Mar 2015 10 00			30 Mar 2015 13 35	1
HS15031039-05	IS-9	27 Mar 2015 10 05			30 Mar 2015 12 02	1
HS15031039-06	IS-10	27 Mar 2015 10 12			30 Mar 2015 13 59	1
HS15031039-07	IS-11	27 Mar 2015 10 16			30 Mar 2015 14 22	1
HS15031039-08	IS-12	27 Mar 2015 10 22			30 Mar 2015 14 45	1
HS15031039-09	IS-13	27 Mar 2015 10 30			30 Mar 2015 15 09	1
HS15031039-10	IS-14	27 Mar 2015 10 37			30 Mar 2015 15 32	1
HS15031039-11	IS-15	27 Mar 2015 10 45			30 Mar 2015 15 56	1
HS15031039-12	IS-16	27 Mar 2015 10 52			30 Mar 2015 16 19	1
HS15031039-13	IS-17	27 Mar 2015 10 59			30 Mar 2015 16 42	1
HS15031039-14	IS-18	27 Mar 2015 11 05			30 Mar 2015 17 06	1
HS15031039-15	IS-19	27 Mar 2015 11 14			30 Mar 2015 17 29	1
HS15031039-16	IS-20	27 Mar 2015 11 31			30 Mar 2015 17 52	1
HS15031039-17	IS-21	27 Mar 2015 11 37			30 Mar 2015 18 16	1
HS15031039-18	IS-22	27 Mar 2015 11 42			30 Mar 2015 18 39	1
HS15031039-19	IS-23	27 Mar 2015 11 47			30 Mar 2015 19 03	1
Batch ID R251903	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Soil		
HS15031039-20	CD-4	27 Mar 2015 15 20			30 Mar 2015 22 09	1

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10"-M.P. 55
WorkOrder: HS15031039

QC BATCH REPORT

Batch ID: 91873 **Instrument: FID-12** **Method: TX1005**

MBLK Sample ID **MBLK-91873** Units **mg/Kg** Analysis Date **30-Mar-2015 16:36**
Client ID Run ID **FID-12_251933** SeqNo **3228795** PrepDate **30-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	ND	50								
>nC12 to nC28	ND	50								
>nC28 to nC35	ND	50								
Total Petroleum Hydrocarbon	ND	50								
Surr 2-Fluorobiphenyl	*20 01*	*0*	*25*	*0*	*80 1*	*70 - 130*				
Surr Trifluoromethyl benzene	*20 48*	*0*	*25*	*0*	*81 9*	*70 - 130*				

LCS Sample ID **LCS-91873** Units **mg/Kg** Analysis Date **30-Mar-2015 17:07**
Client ID Run ID: **FID-12_251933** SeqNo **3228796** PrepDate **30-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	223.8	50	250	0	89.5	75 - 125				
>nC12 to nC28	288 8	50	250	0	116	75 - 125				
Surr 2-Fluorobiphenyl	*24 87*	*0*	*25*	*0*	*99 5*	*70 - 130*				
Surr Trifluoromethyl benzene	*21 43*	*0*	*25*	*0*	*85 7*	*70 - 130*				

LCSD Sample ID **LCSD-91873** Units: **mg/Kg** Analysis Date **30-Mar-2015 17:38**
Client ID Run ID **FID-12_251933** SeqNo **3228797** PrepDate **30-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	229.9	50	250	0	92 0	75 - 125	223.8	2 69	20	
>nC12 to nC28	302 1	50	250	0	121	75 - 125	288 8	4 48	20	
Surr 2-Fluorobiphenyl	*25 59*	*0*	*25*	*0*	*102*	*70 - 130*	*24 87*	*2 87*	*20*	
Surr Trifluoromethyl benzene	*21 85*	*0*	*25*	*0*	*87 4*	*70 - 130*	*21 43*	*1 94*	*20*	

MS Sample ID **HS15031039-01MS** Units **mg/Kg** Analysis Date **30-Mar-2015 18:41**
Client ID **IS-5** Run ID: **FID-12_251933** SeqNo **3228799** PrepDate **30-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	230 6	50	247 8	0	93 1	75 - 125				
>nC12 to nC28	291 9	50	247.8	0	118	75 - 125				
Surr 2-Fluorobiphenyl	*25 12*	*0*	*24 78*	*0*	*101*	*70 - 130*				
Surr Trifluoromethyl benzene	*21 42*	*0*	*24 78*	*0*	*86 5*	*70 - 130*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10"-M.P. 55
WorkOrder: HS15031039

QC BATCH REPORT

Batch ID: 91873 **Instrument:** FID-12 **Method:** TX1005

MSD Sample ID **HS15031039-01MSD** Units **mg/Kg** Analysis Date **30-Mar-2015 19:13**
Client ID: **IS-5** Run ID **FID-12_251933** SeqNo **3228800** PrepDate **30-Mar-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	229 9	50	248.3	0	92 6	75 - 125	230 6	0 32	20	
>nC12 to nC28	297 2	50	248 3	0	120	75 - 125	291 9	1.8	20	
Surr 2-Fluorobiphenyl	*25 11*	*0*	*24 83*	*0*	*101*	*70 - 130*	*25 12*	*0 0571*	*20*	
Surr Trifluoromethyl benzene	*21 2*	*0*	*24 83*	*0*	*85 4*	*70 - 130*	*21 42*	*1 06*	*20*	

The following samples were anayzed in this batch:

HS15031039-01	HS15031039-02	HS15031039-03	HS15031039-04
HS15031039-05	HS15031039-06	HS15031039-07	HS15031039-08
HS15031039-09	HS15031039-10	HS15031039-11	HS15031039-12
HS15031039-13	HS15031039-14	HS15031039-15	HS15031039-16
HS15031039-17	HS15031039-18	HS15031039-19	HS15031039-20

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10"-M.P. 55
WorkOrder: HS15031039

QC BATCH REPORT

Batch ID: R251859 **Instrument:** VOA5 **Method:** SW8260

MBLK Sample ID **VBLKS1-033015** Units **ug/Kg** Analysis Date. **30-Mar-2015 09:18**
Client ID Run ID **VOA5_251859** SeqNo **3227180** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	5.0								
Ethylbenzene	ND	5.0								
m,p-Xylene	ND	10								
o-Xylene	ND	5.0								
Toluene	ND	5.0								
Xylenes, Total	ND	10								
Surr 1,2-Dichloroethane-d4	*48 77*	*5 0*	*50*	*0*	*97 5*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 32*	*5 0*	*50*	*0*	*98 6*	*73 - 126*				
Surr Dibromofluoromethane	*51 84*	*5 0*	*50*	*0*	*104*	*71 - 128*				
Surr Toluene-d8	*50 78*	*5 0*	*50*	*0*	*102*	*73 - 127*				

LCS Sample ID **VLCSS1-033015** Units **ug/Kg** Analysis Date **30-Mar-2015 08:32**
Client ID Run ID **VOA5_251859** SeqNo **3227179** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	50	5.0	50	0	100 0	79 - 122				
Ethylbenzene	47.66	5.0	50	0	95.3	80 - 122				
m,p-Xylene	95.29	10	100	0	95.3	79 - 122				
o-Xylene	47.43	5.0	50	0	94.9	80 - 123				
Toluene	48.96	5.0	50	0	97.9	79 - 120				
Xylenes, Total	142.7	10	150	0	95 1	80 - 120				
Surr 1,2-Dichloroethane-d4	*53 35*	*5 0*	*50*	*0*	*107*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 4*	*5 0*	*50*	*0*	*98 8*	*73 - 126*				
Surr Dibromofluoromethane	*52 94*	*5 0*	*50*	*0*	*106*	*71 - 128*				
Surr Toluene-d8	*49 82*	*5 0*	*50*	*0*	*99 6*	*73 - 127*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Revision: 1

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10"-M.P. 55
WorkOrder: HS15031039

QC BATCH REPORT

Batch ID: R251859 **Instrument:** VOA5 **Method:** SW8260

MS Sample ID **HS15031039-05MS** Units **ug/Kg** Analysis Date **30-Mar-2015 11:15**
Client ID **IS-9** Run ID **VOA5_251859** SeqNo **3227188** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	41.43	5 0	50	0	82.9	79 - 122				
Ethylbenzene	36.7	5.0	50	0	73.4	80 - 122				S
m,p-Xylene	70.65	10	100	0	70.6	79 - 122				S
o-Xylene	34.36	5.0	50	0	68 7	80 - 123				S
Toluene	40 38	5.0	50	2 18	76.4	79 - 120				S
Xylenes, Total	105	10	150	0	70 0	80 - 120				S
Surr 1,2-Dichloroethane-d4	*48 18*	*5 0*	*50*	*0*	*96 4*	*70 - 128*				
Surr 4-Bromofluorobenzene	*47 83*	*5 0*	*50*	*0*	*95 7*	*73 - 126*				
Surr Dibromofluoromethane	*49 41*	*5 0*	*50*	*0*	*98 8*	*71 - 128*				
Surr Toluene-d8	*49 72*	*5 0*	*50*	*0*	*99 4*	*73 - 127*				

MSD Sample ID **HS15031039-05MSD** Units **ug/Kg** Analysis Date **30-Mar-2015 11:38**
Client ID **IS-9** Run ID **VOA5_251859** SeqNo **3227189** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	44.5	5.0	50	0	89 0	79 - 122	41.43	7 14	30	
Ethylbenzene	39 51	5.0	50	0	79.0	80 - 122	36.7	7.38	30	S
m,p-Xylene	77 14	10	100	0	77.1	79 - 122	70.65	8 79	30	S
o-Xylene	37 89	5.0	50	0	75.8	80 - 123	34.36	9 78	30	S
Toluene	42 05	5 0	50	2.18	79.7	79 - 120	40 38	4.05	30	
Xylenes, Total	115	10	150	0	76 7	80 - 120	105	9 11	30	S
Surr 1,2-Dichloroethane-d4	*50 41*	*5 0*	*50*	*0*	*101*	*70 - 128*	*48 18*	*4 52*	*30*	
Surr 4-Bromofluorobenzene	*49 85*	*5 0*	*50*	*0*	*99 7*	*73 - 126*	*47 83*	*4 13*	*30*	
Surr Dibromofluoromethane	*51 83*	*5 0*	*50*	*0*	*104*	*71 - 128*	*49 41*	*4 79*	*30*	
Surr Toluene-d8	*50 42*	*5 0*	*50*	*0*	*101*	*73 - 127*	*49 72*	*1 39*	*30*	

The following samples were anayzed in this batch:

HS15031039-01	HS15031039-02	HS15031039-03	HS15031039-04
HS15031039-05	HS15031039-06	HS15031039-07	HS15031039-08
HS15031039-09	HS15031039-10	HS15031039-11	HS15031039-12
HS15031039-13	HS15031039-14	HS15031039-15	HS15031039-16
HS15031039-17	HS15031039-18	HS15031039-19	

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10"-M.P. 55
WorkOrder: HS15031039

QC BATCH REPORT

Batch ID: R251903 **Instrument:** VOA5 **Method:** SW8260

MBLK Sample ID **VBLKS1-033015** Units **ug/Kg** Analysis Date **30-Mar-2015 21:46**
Client ID Run ID. **VOA5_251903** SeqNo **3228174** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	5.0								
Ethylbenzene	ND	5.0								
m,p-Xylene	ND	10								
o-Xylene	ND	5.0								
Toluene	ND	5 0								
Xylenes, Total	ND	10								
Surr· 1,2-Dichloroethane-d4	*47 19*	*5 0*	*50*	*0*	*94 4*	*70 - 128*				
Surr· 4-Bromofluorobenzene	*48 99*	*5 0*	*50*	*0*	*98 0*	*73 - 126*				
Surr· Dibromofluoromethane	*50 65*	*5 0*	*50*	*0*	*101*	*71 - 128*				
Surr· Toluene-d8	*50 42*	*5 0*	*50*	*0*	*101*	*73 - 127*				

LCS Sample ID· **VLCSS2-033015** Units· **ug/Kg** Analysis Date **30-Mar-2015 20:36**
Client ID Run ID **VOA5_251903** SeqNo **3228173** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	47 5	5.0	50	0	95 0	79 - 122				
Ethylbenzene	45 91	5.0	50	0	91.8	80 - 122				
m,p-Xylene	92.31	10	100	0	92.3	79 - 122				
o-Xylene	45 89	5.0	50	0	91.8	80 - 123				
Toluene	56.59	5.0	50	0	113	79 - 120				
Xylenes, Total	138.2	10	150	0	92.1	80 - 120				
Surr· 1,2-Dichloroethane-d4	*52 92*	*5 0*	*50*	*0*	*106*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 99*	*5 0*	*50*	*0*	*100 0*	*73 - 126*				
Surr Dibromofluoromethane	*53 68*	*5 0*	*50*	*0*	*107*	*71 - 128*				
Surr· Toluene-d8	*49 53*	*5 0*	*50*	*0*	*99 1*	*73 - 127*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10"-M.P. 55
WorkOrder: HS15031039

QC BATCH REPORT

Batch ID: R251903 **Instrument:** VOA5 **Method:** SW8260

MS Sample ID: HS15031039-20MS Units ug/Kg Analysis Date 30-Mar-2015 23:42
Client ID CD-4 Run ID VOA5_251903 SeqNo 3228179 PrepDate: DF. 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	37.01	5.0	50	0	74.0	79 - 122				S
Ethylbenzene	29.19	5 0	50	0	58.4	80 - 122				S
m,p-Xylene	56.59	10	100	0	56.6	79 - 122				S
o-Xylene	28.53	5.0	50	0	57.1	80 - 123				S
Toluene	46.21	5.0	50	0	92.4	79 - 120				
Xylenes, Total	85 12	10	150	0	56.7	80 - 120				S
Surr 1,2-Dichloroethane-d4	*51 89*	*5 0*	*50*	*0*	*104*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 59*	*5 0*	*50*	*0*	*99 2*	*73 - 126*				
Surr Dibromofluoromethane	*52 42*	*5 0*	*50*	*0*	*105*	*71 - 128*				
Surr Toluene-d8	*49 53*	*5 0*	*50*	*0*	*99 1*	*73 - 127*				

MSD Sample ID HS15031039-20MSD Units ug/Kg Analysis Date. 31-Mar-2015 00:06
Client ID CD-4 Run ID VOA5_251903 SeqNo 3228180 PrepDate DF 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	39 48	5 0	50	0	79.0	79 - 122	37 01	6 45	30	S
Ethylbenzene	32.05	5 0	50	0	64.1	80 - 122	29.19	9 35	30	S
m,p-Xylene	62 39	10	100	0	62.4	79 - 122	56.59	9 74	30	S
o-Xylene	31.07	5 0	50	0	62.1	80 - 123	28 53	8 54	30	S
Toluene	43 82	5.0	50	0	87.6	79 - 120	46.21	5.3	30	
Xylenes, Total	93.46	10	150	0	62 3	80 - 120	85 12	9.34	30	S
Surr 1,2-Dichloroethane-d4	*50 62*	*5 0*	*50*	*0*	*101*	*70 - 128*	*51 89*	*2 47*	*30*	
Surr 4-Bromofluorobenzene	*49 3*	*5 0*	*50*	*0*	*98 6*	*73 - 126*	*49 59*	*0 567*	*30*	
Surr Dibromofluoromethane	*51 57*	*5 0*	*50*	*0*	*103*	*71 - 128*	*52 42*	*1 65*	*30*	
Surr Toluene-d8	*50 59*	*5 0*	*50*	*0*	*101*	*73 - 127*	*49 53*	*2 12*	*30*	

The following samples were anayzed in this batch: HS15031039-20

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10"-M.P. 55
WorkOrder: HS15031039

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/Kg	Milligrams per Kilogram

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	15-024-0	27-Mar-2016
California	2919	31-Jul-2016
Dept of Defense	L2231 Rev 3-20-2014	22-Dec-2015
Illinois	003403	09-May-2015
Kansas	E-10352 2014-2015	31-Jul-2015
Kentucky	KY 2014-2015	30-Apr-2015
Louisiana	03087 2014/2015	30-Jun-2015
North Carolina	624 - 2015	31-Dec-2015
North Dakota	R-193 2025	30-Apr-2015
Oklahoma	2014-128	31-Aug-2015
Texas	T104704231-14-14	30-Apr-2015

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10"-M.P. 55
Work Order: HS15031039

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS15031039-01	IS-5	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-02	IS-6	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-03	IS-7	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-04	IS-8	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-05	IS-9	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-06	IS-10	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-07	IS-11	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-08	IS-12	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-09	IS-13	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-10	IS-14	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-11	IS-15	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-12	IS-16	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-13	IS-17	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-14	IS-18	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-15	IS-19	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-16	IS-20	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-17	IS-21	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-18	IS-22	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-19	IS-23	Login	3/28/2015 11 26 23 AM	DES	LF-07
HS15031039-20	CD-4	Login	3/28/2015 11 26 23 AM	DES	LF-07

Sample Receipt Checklist

Client Name	MAGELLAN-TULSA	Date/Time Received.	28-Mar-2015 09:30
Work Order	HS15031039	Received by	DES

Checklist completed by *Derek E Sholl* (eSignature) 28-Mar-2015 (Date) Reviewed by _____ (eSignature) _____ (Date)

Matrices **Soil** Carrier name **FedEx**

	Yes	No	Not Present
Shipping container/cooler in good condition?	☑	☐	☐
Custody seals intact on shipping container/cooler?	☑	☐	☐
Custody seals intact on sample bottles?	☐	☐	☑
Chain of custody present?	☑	☐	
Chain of custody signed when relinquished and received?	☑	☐	
Chain of custody agrees with sample labels?	☑	☐	
Samples in proper container/bottle?	☑	☐	
Sample containers intact?	☑	☐	
Sufficient sample volume for indicated test?	☑	☐	
All samples received within holding time?	☑	☐	
Container/Temp Blank temperature in compliance?	☑	☐	

Temperature(s)/Thermometer(s).	2 4/2.4c C/UC	1
Cooler(s)/Kit(s)	6006	
Date/Time sample(s) sent to storage	03/28/2015 12 00	

	Yes	No	
Water - VOA vials have zero headspace?	☐	☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	☐	☐	N/A ☑
pH adjusted?	☐	☐	N/A ☑
pH adjusted by			

Login Notes: Sample IS-6 collection time 09 45 not on coc but on label.

Client Contacted. Date Contacted Person Contacted

Contacted By: 0 Regarding:

Comments:

Corrective Action

ALS Environmental

Cincinnati, OH +1 513 733 5336
Everett, WA +1 425 356 2600
Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 2

COC ID: 121847

HS15031039

Magellan Midstream Partners, LP
Heame to Dallas 10"-M P 55

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Heame to Dallas 10" - M.P. 55	A	BTEX 8260
Work Order		Project Number		B	TPH TX1005
Company Name	Magellan Midstream Partners, LP	Bill To Company	Magellan Midstream Partners, LP	C	
Send Report To	Steve Moyer	Invoice Attn	Steve Moyer	D	
Address	One Williams Center	Address	One Williams Center	E	
	Mail Drop 27		Mail Drop 27	F	
City/State/Zip	Tulsa	City/State/Zip	Tulsa	G	
Phone	(918) 574-7040	Phone	(918) 574-7383	H	
Fax		Fax		I	
e-Mail Address	Steve.Moyer@magellanlp.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	IS-5	3/27/2015	0935	Soil	ICE	1	✓	✓									
2	IS-6	3/27/2015		Soil	ICE	1	✓	✓									
3	IS-7	3/27/2015	0951	Soil	ICE	1	✓	✓									
4	IS-8	3/27/2015	1000	Soil	ICE	1	✓	✓									
5	IS-9	3/27/2015	1005	Soil	ICE	1	✓	✓									
6	IS-10	3/27/2015	1012	Soil	ICE	1	✓	✓									
7	IS-11	3/27/2015	1016	Soil	ICE	1	✓	✓									
8	IS-12	3/27/2015	1022	Soil	ICE	1	✓	✓									
9	IS-13	3/27/2015	1030	Soil	ICE	1	✓	✓									
10	IS-14	3/27/2015	1037	Soil	ICE	1	✓	✓									

Sampler(s) Please Print & Sign: STEVE MOYER

Shipment Method: OVERNIGHT EXP

Required Turnaround Time: (Check Box) ☐ Std 10 Wk days ☐ 5 Wk Days ☐ 2 Wk Days ☒ 24 Hour ☐ Other

Results Due Date:

Notes: 24HR TAT

Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date: 3/28/15	Time: 930	Received by (Laboratory):
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Cooler ID	Cooler Temp.
6006	2.4°

QC Package: (Check One Box Below)
- ☒ Level 2 Std QC
- ☐ Level 3 Std QC/Row da
- ☐ Level 4 SW846/CLP
- ☐ Other/EDD
- ☐ TRRP ChkList
- ☐ TRRP Level 4

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 2 of 2

COC ID: 121848

HS15031039

Magellan Midstream Partners, LP

Heame to Dallas 10"-M.P 55

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Heame to Dallas 10" - M.P. 55	A	BTEX 8260
Work Order		Project Number		B	TPH TX1005
Company Name	Magellan Midstream Partners, LP	Bill To Company	Magellan Midstream Partners, LP	C	
Send Report To	Steve Moyer	Invoice Attn	Steve Moyer	D	
Address	One Williams Center	Address	One Williams Center	E	
	Mail Drop 27		Mail Drop 27	F	
City/State/Zip	Tulsa	City/State/Zip	Tulsa	G	
Phone	(918) 574-7040	Phone	(918) 574-7383	H	
Fax		Fax		I	
e-Mail Address	Steve.Moyer@magellanlp.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	IS-15	3/27/2015	1045	Soil	ICE	1	✓	✓									
2	IS-16	3/27/2015	1052	Soil	ICE	1	✓	✓									
3	IS-17	3/27/2015	1059	Soil	ICE	1	✓	✓									
4	IS-18	3/27/2015	1105	Soil	ICE	1	✓	✓									
5	IS-19	3/27/2015	1114	Soil	ICE	1	✓	✓									
6	IS-20	3/27/2015	1131	Soil	ICE	1	✓	✓									
7	IS-21	3/27/2015	1137	Soil	ICE	1	✓	✓									
8	IS-22	3/27/2015	1142	Soil	ICE	1	✓	✓									
9	IS-23	3/27/2015	1147	Soil	ICE	1	✓	✓									
10	CD-4	3/27/2015	1520	Soil	ICE	1	✓	✓									

Sampler(s) Please Print & Sign: STEVE MOYER

Shipment Method: OVERNIGHT EXP

Required Turnaround Time: (Check Box) ☐ Std 10 Wk days ☐ 5 Wk Days ☐ 2 Wk Days ☒ 24 Hour ☐ Other

Results Due Date:

Notes: 24 HR TAT

Relinquished by:	Date:	Time:	Received by:		
Relinquished by:	Date: 3/28/15	Time: 950	Received by (Laboratory):	Cooler ID: Cooler 6	Cooler Temp.: 2.4°C
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

QC Package: (Check One Box Below)
- ☒ Level 2 Std QC
- ☐ Level 3 Std QC/Row da
- ☐ Level 4 SW846/CLP
- ☐ Other/EDD
- ☐ TRRP ChkList
- ☐ TRRP Level 4

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-NaHSO 7-Other 8-4°C 9-5035

ote: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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ALS Environmental
10450 Stancliff Rd., Suite 210
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Tel. +1 281 530 5656
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CUSTODY SEAL
Date: 3/27/2015 Time: 1666
Name: STEVE M CVR
Company: ALS

Broken By:
Date: 3/28/15

TRK# 0215 8071 0710 8269 SATURDAY 12:00 PRIORITY OVERNIGH

XO SGRA 7709 TX-U IA

958046 25Mar 00.49 NEXR 512C1/879A/CF60

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April 06, 2015

Steve Moyer
Magellan Midstream Partners, LP
One Williams Center
Mail Drop 27
Tulsa, OK 74172

Work Order: **HS15040041**

Laboratory Results for **Hearne to Dallas 10"-M.P. 55**

Dear Steve,

ALS Environmental received 10 sample(s) on Apr 01, 2015 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Sonia West

Generated By: Jumoke.Lawal
Sonia West
Project Manager

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
Work Order: HS15040041

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS15040041-01	CD-4.5A	Soil		31-Mar-2015 11 38	01-Apr-2015 10:00	☐
HS15040041-02	CD-4.5B	Soil		31-Mar-2015 11 29	01-Apr-2015 10 00	☐
HS15040041-03	CD-5	Soil		31-Mar-2015 11 21	01-Apr-2015 10.00	☐
HS15040041-04	CD-5.5A	Soil		31-Mar-2015 11 07	01-Apr-2015 10:00	☐
HS15040041-05	CD-5.5B	Soil		31-Mar-2015 10 59	01-Apr-2015 10 00	☐
HS15040041-06	CD-6	Soil		31-Mar-2015 10 46	01-Apr-2015 10 00	☐
HS15040041-07	CD-6.5A	Soil		31-Mar-2015 10 24	01-Apr-2015 10 00	☐
HS15040041-08	CD-6.5B	Soil		31-Mar-2015 10 38	01-Apr-2015 10 00	☐
HS15040041-09	CD-7	Soil		31-Mar-2015 10 31	01-Apr-2015 10 00	☐
HS15040041-10	FB-1	Soil		31-Mar-2015 17 00	01-Apr-2015 10 00	☐

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
Work Order: HS15040041

CASE NARRATIVE

GC Semivolatiles by Method TX1005

Batch ID: 92008

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

GCMS Volatiles by Method SW8260

Batch ID: R252073,R252150

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch ID: R252235

Sample ID **CD-4.5B (HS15040041-02MS)**
- MS/MSD failed QC limits for some compounds.

Client.	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040041
Sample ID	CD-4.5A	Lab ID:HS15040041-01
Collection Date	31-Mar-2015 11:38	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				**Analyst: WLR**
Benzene		U	0.00060	0.0050	mg/Kg	1	03-Apr-2015 12 48
Ethylbenzene		U	0 00090	0 0050	mg/Kg	1	03-Apr-2015 12 48
m,p-Xylene		U	0 0017	0 010	mg/Kg	1	03-Apr-2015 12 48
o-Xylene		U	0 0010	0.0050	mg/Kg	1	03-Apr-2015 12 48
Toluene		U	0 00070	0 0050	mg/Kg	1	03-Apr-2015 12 48
Xylenes, Total		U	0 0017	0 010	mg/Kg	1	03-Apr-2015 12 48
Surr 1,2-Dichloroethane-d4	*84 8*			*70-128*	*%REC*	*1*	*03-Apr-2015 12 48*
Surr 4-Bromofluorobenzene	*98 4*			*73-126*	*%REC*	*1*	*03-Apr-2015 12 48*
Surr Dibromofluoromethane	*104*			*71-128*	*%REC*	*1*	*03-Apr-2015 12 48*
Surr Toluene-d8	*88 2*			*73-127*	*%REC*	*1*	*03-Apr-2015 12 48*
TEXAS TPH BY TX1005			**Method:TX1005**		**Prep:TX1005PR / 02-Apr-2015**		**Analyst: JKP**
nC6 to nC12		U	9 9	50	mg/Kg	1	03-Apr-2015 07 39
>nC12 to nC28		U	9 9	50	mg/Kg	1	03-Apr-2015 07 39
>nC28 to nC35		U	9.9	50	mg/Kg	1	03-Apr-2015 07 39
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	03-Apr-2015 07 39
Surr 2-Fluorobiphenyl	*96 4*			*70-130*	*%REC*	*1*	*03-Apr-2015 07 39*
Surr Trifluoromethyl benzene	*84 8*			*70-130*	*%REC*	*1*	*03-Apr-2015 07 39*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder HS15040041
Sample ID·	CD-4.5B	Lab ID·HS15040041-02
Collection Date.	31-Mar-2015 11 29	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0 00060	0.0050	mg/Kg	1	03-Apr-2015 23 08
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	03-Apr-2015 23 08
m,p-Xylene		U	0 0017	0 010	mg/Kg	1	03-Apr-2015 23 08
o-Xylene		U	0 0010	0.0050	mg/Kg	1	03-Apr-2015 23 08
Toluene		U	0.00070	0.0050	mg/Kg	1	03-Apr-2015 23 08
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 23 08
Surr· 1,2-Dichloroethane-d4	*82 8*			*70-128*	*%REC*	*1*	*03-Apr-2015 23 08*
Surr· 4-Bromofluorobenzene	*96 9*			*73-126*	*%REC*	*1*	*03-Apr-2015 23 08*
Surr· Dibromofluoromethane	*105*			*71-128*	*%REC*	*1*	*03-Apr-2015 23 08*
Surr· Toluene-d8	*85 0*			*73-127*	*%REC*	*1*	*03-Apr-2015 23 08*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep.TX1005PR / 02-Apr-2015		Analyst. JKP
nC6 to nC12		U	9.9	49	mg/Kg	1	03-Apr-2015 09 06
>nC12 to nC28		U	9.9	49	mg/Kg	1	03-Apr-2015 09 06
>nC28 to nC35		U	9.9	49	mg/Kg	1	03-Apr-2015 09 06
Total Petroleum Hydrocarbon		U	9 9	49	mg/Kg	1	03-Apr-2015 09.06
Surr· 2-Fluorobiphenyl	*100*			*70-130*	*%REC*	*1*	*03-Apr-2015 09 06*
Surr· Trifluoromethyl benzene	*86 1*			*70-130*	*%REC*	*1*	*03-Apr-2015 09 06*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder.HS15040041
Sample ID:	CD-5	Lab ID:HS15040041-03
Collection Date	31-Mar-2015 11:21	Matrix.Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0 00060	0.0050	mg/Kg	1	03-Apr-2015 23 36
Ethylbenzene		U	0 00090	0.0050	mg/Kg	1	03-Apr-2015 23 36
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 23 36
o-Xylene		U	0.0010	0.0050	mg/Kg	1	03-Apr-2015 23 36
Toluene		U	0 00070	0.0050	mg/Kg	1	03-Apr-2015 23 36
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 23 36
Surr 1,2-Dichloroethane-d4	*87 3*			*70-128*	*%REC*	*1*	*03-Apr-2015 23 36*
Surr 4-Bromofluorobenzene	*96 9*			*73-126*	*%REC*	*1*	*03-Apr-2015 23 36*
Surr Dibromofluoromethane	*110*			*71-128*	*%REC*	*1*	*03-Apr-2015 23 36*
Surr Toluene-d8	*86 8*			*73-127*	*%REC*	*1*	*03-Apr-2015 23 36*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep.TX1005PR / 02-Apr-2015		Analyst: JKP
nC6 to nC12		U	9.9	50	mg/Kg	1	03-Apr-2015 09 35
>nC12 to nC28		U	9.9	50	mg/Kg	1	03-Apr-2015 09 35
>nC28 to nC35		U	9.9	50	mg/Kg	1	03-Apr-2015 09 35
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	03-Apr-2015 09 35
Surr 2-Fluorobiphenyl	*95 6*			*70-130*	*%REC*	*1*	*03-Apr-2015 09 35*
Surr Trifluoromethyl benzene	*80 9*			*70-130*	*%REC*	*1*	*03-Apr-2015 09 35*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10"-M.P. 55	WorkOrder.HS15040041
Sample ID:	CD-5.5A	Lab ID HS15040041-04
Collection Date	31-Mar-2015 11 07	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0.00060	0.0050	mg/Kg	1	04-Apr-2015 00 04
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	04-Apr-2015 00 04
m,p-Xylene		U	0 0017	0.010	mg/Kg	1	04-Apr-2015 00 04
o-Xylene		U	0.0010	0 0050	mg/Kg	1	04-Apr-2015 00 04
Toluene		U	0.00070	0 0050	mg/Kg	1	04-Apr-2015 00 04
Xylenes, Total		U	0 0017	0.010	mg/Kg	1	04-Apr-2015 00 04
Surr 1,2-Dichloroethane-d4	*86 8*			*70-128*	*%REC*	*1*	*04-Apr-2015 00 04*
Surr 4-Bromofluorobenzene	*97 4*			*73-126*	*%REC*	*1*	*04-Apr-2015 00 04*
Surr Dibromofluoromethane	*109*			*71-128*	*%REC*	*1*	*04-Apr-2015 00 04*
Surr Toluene-d8	*87 7*			*73-127*	*%REC*	*1*	*04-Apr-2015 00 04*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep.TX1005PR / 02-Apr-2015		Analyst: JKP
nC6 to nC12		U	9.9	50	mg/Kg	1	03-Apr-2015 11 31
>nC12 to nC28		U	9.9	50	mg/Kg	1	03-Apr-2015 11 31
>nC28 to nC35		U	9 9	50	mg/Kg	1	03-Apr-2015 11 31
Total Petroleum Hydrocarbon		U	9 9	50	mg/Kg	1	03-Apr-2015 11 31
Surr 2-Fluorobiphenyl	*110*			*70-130*	*%REC*	*1*	*03-Apr-2015 11 31*
Surr Trifluoromethyl benzene	*90 9*			*70-130*	*%REC*	*1*	*03-Apr-2015 11 31*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder HS15040041
Sample ID.	CD-5.5B	Lab ID:HS15040041-05
Collection Date	31-Mar-2015 10.59	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst: WLR
Benzene		U	0.00060	0.0050	mg/Kg	1	04-Apr-2015 00 32
Ethylbenzene		U	0 00090	0 0050	mg/Kg	1	04-Apr-2015 00 32
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	04-Apr-2015 00 32
o-Xylene		U	0.0010	0.0050	mg/Kg	1	04-Apr-2015 00 32
Toluene		U	0.00070	0.0050	mg/Kg	1	04-Apr-2015 00 32
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	04-Apr-2015 00 32
Surr 1,2-Dichloroethane-d4	*86 1*			*70-128*	*%REC*	*1*	*04-Apr-2015 00 32*
Surr 4-Bromofluorobenzene	*93 7*			*73-126*	*%REC*	*1*	*04-Apr-2015 00 32*
Surr Dibromofluoromethane	*107*			*71-128*	*%REC*	*1*	*04-Apr-2015 00 32*
Surr Toluene-d8	*88 8*			*73-127*	*%REC*	*1*	*04-Apr-2015 00 32*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep:TX1005PR / 02-Apr-2015		Analyst: JKP
nC6 to nC12		U	9.9	50	mg/Kg	1	03-Apr-2015 12 00
>nC12 to nC28		U	9 9	50	mg/Kg	1	03-Apr-2015 12 00
>nC28 to nC35		U	9 9	50	mg/Kg	1	03-Apr-2015 12 00
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	03-Apr-2015 12 00
Surr 2-Fluorobiphenyl	*102*			*70-130*	*%REC*	*1*	*03-Apr-2015 12 00*
Surr Trifluoromethyl benzene	*86 2*			*70-130*	*%REC*	*1*	*03-Apr-2015 12 00*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder.HS15040041
Sample ID:	CD-6	Lab ID:HS15040041-06
Collection Date	31-Mar-2015 10 46	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	04-Apr-2015 01 00
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	04-Apr-2015 01 00
m,p-Xylene		U	0.0017	0 010	mg/Kg	1	04-Apr-2015 01 00
o-Xylene		U	0.0010	0.0050	mg/Kg	1	04-Apr-2015 01.00
Toluene		U	0.00070	0.0050	mg/Kg	1	04-Apr-2015 01·00
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	04-Apr-2015 01.00
Surr 1,2-Dichloroethane-d4	*87 6*			*70-128*	*%REC*	*1*	*04-Apr-2015 01 00*
Surr 4-Bromofluorobenzene	*95 4*			*73-126*	*%REC*	*1*	*04-Apr-2015 01 00*
Surr Dibromofluoromethane	*112*			*71-128*	*%REC*	*1*	*04-Apr-2015 01 00*
Surr Toluene-d8	*87 8*			*73-127*	*%REC*	*1*	*04-Apr-2015 01 00*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 02-Apr-2015		Analyst. JKP
nC6 to nC12		U	9.9	49	mg/Kg	1	03-Apr-2015 12 29
>nC12 to nC28		U	9 9	49	mg/Kg	1	03-Apr-2015 12 29
>nC28 to nC35		U	9.9	49	mg/Kg	1	03-Apr-2015 12 29
Total Petroleum Hydrocarbon		U	9 9	49	mg/Kg	1	03-Apr-2015 12 29
Surr 2-Fluorobiphenyl	*112*			*70-130*	*%REC*	*1*	*03-Apr-2015 12 29*
Surr Trifluoromethyl benzene	*92 1*			*70-130*	*%REC*	*1*	*03-Apr-2015 12 29*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P 55	WorkOrder HS15040041
Sample ID:	CD-6.5A	Lab ID.HS15040041-07
Collection Date:	31-Mar-2015 10:24	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				**Analyst: WLR**
Benzene		U	0 00060	0.0050	mg/Kg	1	02-Apr-2015 09 41
Ethylbenzene		U	0.00090	0 0050	mg/Kg	1	02-Apr-2015 09 41
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	02-Apr-2015 09 41
o-Xylene		U	0 0010	0.0050	mg/Kg	1	02-Apr-2015 09 41
Toluene		U	0.00070	0.0050	mg/Kg	1	02-Apr-2015 09 41
Xylenes, Total		U	0 0017	0 010	mg/Kg	1	02-Apr-2015 09 41
Surr 1,2-Dichloroethane-d4	*85 2*			*70-128*	*%REC*	*1*	*02-Apr-2015 09 41*
Surr 4-Bromofluorobenzene	*98 3*			*73-126*	*%REC*	*1*	*02-Apr-2015 09 41*
Surr Dibromofluoromethane	*110*			*71-128*	*%REC*	*1*	*02-Apr-2015 09 41*
Surr Toluene-d8	*89 8*			*73-127*	*%REC*	*1*	*02-Apr-2015 09 41*
TEXAS TPH BY TX1005			**Method:TX1005**		**Prep:TX1005PR / 02-Apr-2015**		**Analyst: JKP**
nC6 to nC12		U	9 9	50	mg/Kg	1	03-Apr-2015 12 58
>nC12 to nC28		U	9 9	50	mg/Kg	1	03-Apr-2015 12 58
>nC28 to nC35		U	9 9	50	mg/Kg	1	03-Apr-2015 12 58
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	03-Apr-2015 12 58
Surr 2-Fluorobiphenyl	*105*			*70-130*	*%REC*	*1*	*03-Apr-2015 12 58*
Surr Trifluoromethyl benzene	*88 3*			*70-130*	*%REC*	*1*	*03-Apr-2015 12 58*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040041
Sample ID	CD-6.5B	Lab ID.HS15040041-08
Collection Date:	31-Mar-2015 10:38	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst WLR
Benzene		U	0 00060	0.0050	mg/Kg	1	02-Apr-2015 10 09
Ethylbenzene		U	0 00090	0.0050	mg/Kg	1	02-Apr-2015 10 09
m,p-Xylene		U	0.0017	0 010	mg/Kg	1	02-Apr-2015 10 09
o-Xylene		U	0.0010	0 0050	mg/Kg	1	02-Apr-2015 10 09
Toluene		U	0.00070	0 0050	mg/Kg	1	02-Apr-2015 10 09
Xylenes, Total		U	0 0017	0.010	mg/Kg	1	02-Apr-2015 10 09
Surr 1,2-Dichloroethane-d4	*86 6*			*70-128*	*%REC*	*1*	*02-Apr-2015 10 09*
Surr 4-Bromofluorobenzene	*96 5*			*73-126*	*%REC*	*1*	*02-Apr-2015 10 09*
Surr Dibromofluoromethane	*109*			*71-128*	*%REC*	*1*	*02-Apr-2015 10 09*
Surr Toluene-d8	*92 2*			*73-127*	*%REC*	*1*	*02-Apr-2015 10 09*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep:TX1005PR / 02-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	03-Apr-2015 13 27
>nC12 to nC28		U	10	50	mg/Kg	1	03-Apr-2015 13 27
>nC28 to nC35		U	10	50	mg/Kg	1	03-Apr-2015 13 27
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	03-Apr-2015 13 27
Surr 2-Fluorobiphenyl	*96 6*			*70-130*	*%REC*	*1*	*03-Apr-2015 13 27*
Surr Trifluoromethyl benzene	*82 7*			*70-130*	*%REC*	*1*	*03-Apr-2015 13 27*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10"-M.P. 55	WorkOrder.HS15040041
Sample ID:	CD-7	Lab ID·HS15040041-09
Collection Date:	31-Mar-2015 10 31	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst: WLR
Benzene		U	0.00060	0.0050	mg/Kg	1	02-Apr-2015 10 37
Ethylbenzene		U	0.00090	0 0050	mg/Kg	1	02-Apr-2015 10 37
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	02-Apr-2015 10 37
o-Xylene		U	0 0010	0 0050	mg/Kg	1	02-Apr-2015 10 37
Toluene		U	0.00070	0 0050	mg/Kg	1	02-Apr-2015 10 37
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	02-Apr-2015 10 37
Surr 1,2-Dichloroethane-d4	*86 2*			*70-128*	*%REC*	*1*	*02-Apr-2015 10 37*
Surr 4-Bromofluorobenzene	*96 9*			*73-126*	*%REC*	*1*	*02-Apr-2015 10 37*
Surr Dibromofluoromethane	*108*			*71-128*	*%REC*	*1*	*02-Apr-2015 10 37*
Surr Toluene-d8	*90 6*			*73-127*	*%REC*	*1*	*02-Apr-2015 10 37*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep TX1005PR / 02-Apr-2015		Analyst: JKP
nC6 to nC12		U	10	50	mg/Kg	1	03-Apr-2015 13 56
>nC12 to nC28		U	10	50	mg/Kg	1	03-Apr-2015 13 56
>nC28 to nC35		U	10	50	mg/Kg	1	03-Apr-2015 13 56
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	03-Apr-2015 13 56
Surr 2-Fluorobiphenyl	*100*			*70-130*	*%REC*	*1*	*03-Apr-2015 13 56*
Surr Trifluoromethyl benzene	*87 1*			*70-130*	*%REC*	*1*	*03-Apr-2015 13 56*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project.	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040041
Sample ID:	FB-1	Lab ID HS15040041-10
Collection Date:	31-Mar-2015 17:00	Matrix·Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene	0.0026	J	0.00060	0.0050	mg/Kg	1	02-Apr-2015 11 05
Ethylbenzene	0.0095		0.00090	0.0050	mg/Kg	1	02-Apr-2015 11 05
m,p-Xylene	0.022		0.0017	0.010	mg/Kg	1	02-Apr-2015 11 05
o-Xylene	0.015		0.0010	0.0050	mg/Kg	1	02-Apr-2015 11 05
Toluene	0.025		0.00070	0.0050	mg/Kg	1	02-Apr-2015 11 05
Xylenes, Total	0.037		0.0017	0.010	mg/Kg	1	02-Apr-2015 11·05
Surr 1,2-Dichloroethane-d4	*88 8*			*70-128*	*%REC*	*1*	*02-Apr-2015 11 05*
Surr 4-Bromofluorobenzene	*101*			*73-126*	*%REC*	*1*	*02-Apr-2015 11 05*
Surr Dibromofluoromethane	*107*			*71-128*	*%REC*	*1*	*02-Apr-2015 11 05*
Surr Toluene-d8	*90 4*			*73-127*	*%REC*	*1*	*02-Apr-2015 11 05*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 02-Apr-2015		Analyst: JKP
nC6 to nC12	37	J	9.9	50	mg/Kg	1	03-Apr-2015 14 25
>nC12 to nC28	190		9.9	50	mg/Kg	1	03-Apr-2015 14 25
>nC28 to nC35	U		9 9	50	mg/Kg	1	03-Apr-2015 14 25
Total Petroleum Hydrocarbon	227		9.9	50	mg/Kg	1	03-Apr-2015 14 25
Surr 2-Fluorobiphenyl	*115*			*70-130*	*%REC*	*1*	*03-Apr-2015 14 25*
Surr Trifluoromethyl benzene	*88 7*			*70-130*	*%REC*	*1*	*03-Apr-2015 14 25*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040041

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID 92008	**Test Name :** TEXAS TPH BY TX1005			**Matrix:** Soil		
HS15040041-01	CD-4.5A	31 Mar 2015 11 38		02 Apr 2015 08 13	03 Apr 2015 07 39	1
HS15040041-02	CD-4.5B	31 Mar 2015 11 29		02 Apr 2015 08 13	03 Apr 2015 09 06	1
HS15040041-03	CD-5	31 Mar 2015 11 21		02 Apr 2015 08 13	03 Apr 2015 09 35	1
HS15040041-04	CD-5.5A	31 Mar 2015 11 07		02 Apr 2015 08 13	03 Apr 2015 11 31	1
HS15040041-05	CD-5.5B	31 Mar 2015 10 59		02 Apr 2015 08 13	03 Apr 2015 12 00	1
HS15040041-06	CD-6	31 Mar 2015 10 46		02 Apr 2015 08 13	03 Apr 2015 12 29	1
HS15040041-07	CD-6.5A	31 Mar 2015 10 24		02 Apr 2015 08 13	03 Apr 2015 12 58	1
HS15040041-08	CD-6.5B	31 Mar 2015 10 38		02 Apr 2015 08 13	03 Apr 2015 13 27	1
HS15040041-09	CD-7	31 Mar 2015 10 31		02 Apr 2015 08 13	03 Apr 2015 13 56	1
HS15040041-10	FB-1	31 Mar 2015 17 00		02 Apr 2015 08 13	03 Apr 2015 14 25	1
Batch ID R252073	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Soil		
HS15040041-07	CD-6.5A	31 Mar 2015 10 24			02 Apr 2015 09 41	1
HS15040041-08	CD-6.5B	31 Mar 2015 10 38			02 Apr 2015 10 09	1
HS15040041-09	CD-7	31 Mar 2015 10 31			02 Apr 2015 10 37	1
HS15040041-10	FB-1	31 Mar 2015 17 00			02 Apr 2015 11 05	1
Batch ID R252150	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Soil		
HS15040041-01	CD-4.5A	31 Mar 2015 11 38			03 Apr 2015 12 48	1
Batch ID R252235	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Soil		
HS15040041-02	CD-4 5B	31 Mar 2015 11 29			03 Apr 2015 23 08	1
HS15040041-03	CD-5	31 Mar 2015 11 21			03 Apr 2015 23 36	1
HS15040041-04	CD-5.5A	31 Mar 2015 11 07			04 Apr 2015 00 04	1
HS15040041-05	CD-5.5B	31 Mar 2015 10 59			04 Apr 2015 00 32	1
HS15040041-06	CD-6	31 Mar 2015 10.46			04 Apr 2015 01 00	1

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040041

QC BATCH REPORT

Batch ID: 92008 **Instrument: FID-11** **Method: TX1005**

MBLK Sample ID **MBLK-92008** Units **mg/Kg** Analysis Date **03-Apr-2015 06:12**
Client ID Run ID **FID-11_252317** SeqNo **3236067** PrepDate **02-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	U	50								
>nC12 to nC28	U	50								
>nC28 to nC35	U	50								
Total Petroleum Hydrocarbon	U	50								
Surr: 2-Fluorobiphenyl	*29.37*	*0*	*25*	*0*	*117*	*70 - 130*				
Surr: Trifluoromethyl benzene	*24.08*	*0*	*25*	*0*	*96.3*	*70 - 130*				

LCS Sample ID **LCS-92008** Units **mg/Kg** Analysis Date **03-Apr-2015 06:41**
Client ID Run ID **FID-11_252317** SeqNo **3236068** PrepDate **02-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	207.3	50	250	0	82.9	75 - 125				
>nC12 to nC28	234.7	50	250	0	93.9	75 - 125				
Surr: 2-Fluorobiphenyl	*28.08*	*0*	*25*	*0*	*112*	*70 - 130*				
Surr: Trifluoromethyl benzene	*20.91*	*0*	*25*	*0*	*83.7*	*70 - 130*				

LCSD Sample ID. **LCSD-92008** Units **mg/Kg** Analysis Date **03-Apr-2015 07:10**
Client ID Run ID **FID-11_252317** SeqNo **3236069** PrepDate **02-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	221.4	50	250	0	88.6	75 - 125	207.3	6.61	20	
>nC12 to nC28	250.2	50	250	0	100	75 - 125	234.7	6.36	20	
Surr: 2-Fluorobiphenyl	*28.87*	*0*	*25*	*0*	*115*	*70 - 130*	*28.08*	*2.78*	*20*	
Surr: Trifluoromethyl benzene	*21.72*	*0*	*25*	*0*	*86.9*	*70 - 130*	*20.91*	*3.8*	*20*	

MS Sample ID **HS15040041-01MS** Units **mg/Kg** Analysis Date **03-Apr-2015 08:08**
Client ID **CD-4.5A** Run ID **FID-11_252317** SeqNo: **3236071** PrepDate **02-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	232.5	50	248	0	93.8	75 - 125				
>nC12 to nC28	217	50	248	0	87.5	75 - 125				
Surr: 2-Fluorobiphenyl	*29.34*	*0*	*24.8*	*0*	*118*	*70 - 130*				
Surr: Trifluoromethyl benzene	*22.02*	*0*	*24.8*	*0*	*88.8*	*70 - 130*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040041

QC BATCH REPORT

Batch ID: 92008 **Instrument:** FID-11 **Method:** TX1005

MSD Sample ID **HS15040041-01MSD** Units **mg/Kg** Analysis Date. **03-Apr-2015 08:37**
Client ID **CD-4.5A** Run ID **FID-11_252317** SeqNo **3236072** PrepDate **02-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	244.7	50	247 8	0	98 8	75 - 125	232 5	5.09	20	
>nC12 to nC28	238.7	50	247 8	0	96.3	75 - 125	217	9 55	20	
Surr 2-Fluorobiphenyl	*31 56*	*0*	*24 78*	*0*	*127*	*70 - 130*	*29 34*	*7 3*	*20*	
Surr Trifluoromethyl benzene	*23 38*	*0*	*24 78*	*0*	*94 4*	*70 - 130*	*22 02*	*5 98*	*20*	

The following samples were anayzed in this batch: HS15040041-01 HS15040041-02 HS15040041-03 HS15040041-04 HS15040041-05 HS15040041-06 HS15040041-07 HS15040041-08 HS15040041-09 HS15040041-10

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040041

QC BATCH REPORT

Batch ID: R252073 **Instrument:** VOA3 **Method:** SW8260

MBLK Sample ID **VBLKS1-040215** Units: **ug/Kg** Analysis Date **02-Apr-2015 09:14**
Client ID Run ID **VOA3_252073** SeqNo **3232041** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	5.0								
Ethylbenzene	U	5.0								
m,p-Xylene	U	10								
o-Xylene	U	5.0								
Toluene	U	5.0								
Xylenes, Total	U	10								
Surr 1,2-Dichloroethane-d4	*45 21*	*5 0*	*50*	*0*	*90 4*	*70 - 128*				
Surr 4-Bromofluorobenzene	*50 15*	*5 0*	*50*	*0*	*100*	*73 - 126*				
Surr Dibromofluoromethane	*56 72*	*5 0*	*50*	*0*	*113*	*71 - 128*				
Surr Toluene-d8	*45 41*	*5 0*	*50*	*0*	*90 8*	*73 - 127*				

LCS Sample ID **VLCSS1-040215** Units **ug/Kg** Analysis Date **02-Apr-2015 08:17**
Client ID Run ID **VOA3_252073** SeqNo **3232040** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	56.56	5.0	50	0	113	79 - 122				
Ethylbenzene	56.01	5.0	50	0	112	80 - 122				
m,p-Xylene	109	10	100	0	109	79 - 122				
o-Xylene	54 84	5.0	50	0	110	80 - 123				
Toluene	51.28	5 0	50	0	103	79 - 120				
Xylenes, Total	163.8	10	150	0	109	80 - 120				
Surr 1,2-Dichloroethane-d4	*47 77*	*5 0*	*50*	*0*	*95 5*	*70 - 128*				
Surr 4-Bromofluorobenzene	*52 46*	*5 0*	*50*	*0*	*105*	*73 - 126*				
Surr Dibromofluoromethane	*57 25*	*5 0*	*50*	*0*	*114*	*71 - 128*				
Surr Toluene-d8	*44 9*	*5 0*	*50*	*0*	*89 8*	*73 - 127*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040041

QC BATCH REPORT

Batch ID: R252073 **Instrument:** VOA3 **Method:** SW8260

MS Sample ID **HS15040041-07MS** Units **ug/Kg** Analysis Date **02-Apr-2015 11:33**
Client ID **CD-6.5A** Run ID **VOA3_252073** SeqNo **3232362** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	54 54	5 0	50	0	109	79 - 122				
Ethylbenzene	50 17	5.0	50	0	100	80 - 122				
m,p-Xylene	95 09	10	100	0	95 1	79 - 122				
o-Xylene	47.74	5.0	50	0	95.5	80 - 123				
Toluene	48 27	5 0	50	0	96.5	79 - 120				
Xylenes, Total	142 8	10	150	0	95.2	80 - 120				
Surr 1,2-Dichloroethane-d4	*45 23*	*5 0*	*50*	*0*	*90 5*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 3*	*5 0*	*50*	*0*	*98 6*	*73 - 126*				
Surr Dibromofluoromethane	*53 21*	*5 0*	*50*	*0*	*106*	*71 - 128*				
Surr Toluene-d8	*45 31*	*5 0*	*50*	*0*	*90 6*	*73 - 127*				

MSD Sample ID **HS15040041-07MSD** Units **ug/Kg** Analysis Date **02-Apr-2015 12:02**
Client ID. **CD-6.5A** Run ID **VOA3_252073** SeqNo **3232363** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	55.54	5.0	50	0	111	79 - 122	54.54	1.81	30	
Ethylbenzene	48 96	5.0	50	0	97.9	80 - 122	50.17	2 43	30	
m,p-Xylene	92 3	10	100	0	92.3	79 - 122	95.09	2.98	30	
o-Xylene	45 86	5 0	50	0	91.7	80 - 123	47 74	4.03	30	
Toluene	47.18	5.0	50	0	94.4	79 - 120	48.27	2 29	30	
Xylenes, Total	138.2	10	150	0	92.1	80 - 120	142.8	3.33	30	
Surr 1,2-Dichloroethane-d4	*44 94*	*5 0*	*50*	*0*	*89 9*	*70 - 128*	*45 23*	*0 642*	*30*	
Surr 4-Bromofluorobenzene	*47 96*	*5 0*	*50*	*0*	*95 9*	*73 - 126*	*49 3*	*2 76*	*30*	
Surr Dibromofluoromethane	*53 49*	*5 0*	*50*	*0*	*107*	*71 - 128*	*53 21*	*0 538*	*30*	
Surr Toluene-d8	*43 36*	*5 0*	*50*	*0*	*86 7*	*73 - 127*	*45 31*	*4 4*	*30*	

The following samples were anayzed in this batch: HS15040041-07 HS15040041-08 HS15040041-09 HS15040041-10

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040041

QC BATCH REPORT

Batch ID: R252150 **Instrument:** VOA3 **Method:** SW8260

MBLK Sample ID **VBLKS1-040315** Units **ug/Kg** Analysis Date **03-Apr-2015 09:01**
Client ID Run ID **VOA3_252150** SeqNo. **3233221** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	5 0								
Ethylbenzene	U	5 0								
m,p-Xylene	U	10								
o-Xylene	U	5.0								
Toluene	U	5.0								
Xylenes, Total	U	10								
Surr 1,2-Dichloroethane-d4	*44 25*	*5 0*	*50*	*0*	*88 5*	*70 - 128*				
Surr 4-Bromofluorobenzene	*47 83*	*5 0*	*50*	*0*	*95 7*	*73 - 126*				
Surr Dibromofluoromethane	*52 3*	*5 0*	*50*	*0*	*105*	*71 - 128*				
Surr Toluene-d8	*42 68*	*5 0*	*50*	*0*	*85 4*	*73 - 127*				

LCS Sample ID **VLCSS1-040315** Units **ug/Kg** Analysis Date **03-Apr-2015 08:05**
Client ID Run ID **VOA3_252150** SeqNo **3233220** PrepDate DF. **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	51 97	5 0	50	0	104	79 - 122				
Ethylbenzene	50 83	5.0	50	0	102	80 - 122				
m,p-Xylene	98 47	10	100	0	98.5	79 - 122				
o-Xylene	49 95	5 0	50	0	99 9	80 - 123				
Toluene	48.01	5.0	50	0	96.0	79 - 120				
Xylenes, Total	148.4	10	150	0	98.9	80 - 120				
Surr 1,2-Dichloroethane-d4	*47 59*	*5 0*	*50*	*0*	*95 2*	*70 - 128*				
Surr 4-Bromofluorobenzene	*51 25*	*5 0*	*50*	*0*	*103*	*73 - 126*				
Surr Dibromofluoromethane	*54 28*	*5 0*	*50*	*0*	*109*	*71 - 128*				
Surr Toluene-d8	*43 85*	*5 0*	*50*	*0*	*87 7*	*73 - 127*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040041

QC BATCH REPORT

Batch ID: R252150 **Instrument:** VOA3 **Method:** SW8260

MS Sample ID: HS15040050-01MS Units ug/Kg Analysis Date 03-Apr-2015 11:23
Client ID Run ID VOA3_252150 SeqNo 3233568 PrepDate DF 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	58 38	5.0	50	0	117	79 - 122				
Ethylbenzene	56 15	5.0	50	0	112	80 - 122				
m,p-Xylene	108.2	10	100	0	108	79 - 122				
o-Xylene	53.83	5 0	50	0	108	80 - 123				
Toluene	52 82	5 0	50	0	106	79 - 120				
Xylenes, Total	162	10	150	0	108	80 - 120				
Surr 1,2-Dichloroethane-d4	*44 46*	*5 0*	*50*	*0*	*88 9*	*70 - 128*				
Surr 4-Bromofluorobenzene	*48 72*	*5 0*	*50*	*0*	*97 4*	*73 - 126*				
Surr Dibromofluoromethane	*51 17*	*5 0*	*50*	*0*	*102*	*71 - 128*				
Surr Toluene-d8	*44 35*	*5 0*	*50*	*0*	*88 7*	*73 - 127*				

MSD Sample ID HS15040050-01MSD Units ug/Kg Analysis Date 03-Apr-2015 11:51
Client ID Run ID VOA3_252150 SeqNo 3233569 PrepDate DF 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	51.72	5 0	50	0	103	79 - 122	58.38	12.1	30	
Ethylbenzene	49.52	5 0	50	0	99.0	80 - 122	56.15	12.5	30	
m,p-Xylene	95.41	10	100	0	95.4	79 - 122	108.2	12.6	30	
o-Xylene	47.58	5 0	50	0	95.2	80 - 123	53.83	12.3	30	
Toluene	46.81	5.0	50	0	93.6	79 - 120	52.82	12.1	30	
Xylenes, Total	143	10	150	0	95.3	80 - 120	162	12.5	30	
Surr 1,2-Dichloroethane-d4	*44 23*	*5 0*	*50*	*0*	*88 5*	*70 - 128*	*44 46*	*0 512*	*30*	
Surr 4-Bromofluorobenzene	*48 48*	*5 0*	*50*	*0*	*97 0*	*73 - 126*	*48 72*	*0 495*	*30*	
Surr Dibromofluoromethane	*51 97*	*5 0*	*50*	*0*	*104*	*71 - 128*	*51 17*	*1 55*	*30*	
Surr Toluene-d8	*43 66*	*5 0*	*50*	*0*	*87 3*	*73 - 127*	*44 35*	*1 56*	*30*	

The following samples were anayzed in this batch: HS15040041-01

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040041

QC BATCH REPORT

Batch ID: R252235 **Instrument:** VOA3 **Method:** SW8260

MBLK Sample ID **VBLKS2-040215** Units **ug/Kg** Analysis Date **03-Apr-2015 22:40**
Client ID Run ID **VOA3_252235** SeqNo **3234712** PrepDate: DF. **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	5.0								
Ethylbenzene	U	5 0								
m,p-Xylene	U	10								
o-Xylene	U	5.0								
Toluene	U	5.0								
Xylenes, Total	U	10								
Surr 1,2-Dichloroethane-d4	*42 61*	*5 0*	*50*	*0*	*85 2*	*70 - 128*				
Surr 4-Bromofluorobenzene	*47 53*	*5 0*	*50*	*0*	*95 1*	*73 - 126*				
Surr Dibromofluoromethane	*53 02*	*5 0*	*50*	*0*	*106*	*71 - 128*				
Surr Toluene-d8	*43 52*	*5 0*	*50*	*0*	*87 0*	*73 - 127*				

LCS Sample ID **VLCSS2-040315** Units **ug/Kg** Analysis Date **03-Apr-2015 21:44**
Client ID Run ID **VOA3_252235** SeqNo **3234711** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	54.28	5.0	50	0	109	79 - 122				
Ethylbenzene	49.97	5 0	50	0	99 9	80 - 122				
m,p-Xylene	98.27	10	100	0	98.3	79 - 122				
o-Xylene	49.26	5 0	50	0	98.5	80 - 123				
Toluene	48.03	5.0	50	0	96 1	79 - 120				
Xylenes, Total	147.5	10	150	0	98.3	80 - 120				
Surr 1,2-Dichloroethane-d4	*46 96*	*5 0*	*50*	*0*	*93 9*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 74*	*5 0*	*50*	*0*	*99 5*	*73 - 126*				
Surr Dibromofluoromethane	*54 68*	*5 0*	*50*	*0*	*109*	*71 - 128*				
Surr Toluene-d8	*42 58*	*5 0*	*50*	*0*	*85 2*	*73 - 127*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040041

QC BATCH REPORT

Batch ID: R252235 **Instrument:** VOA3 **Method:** SW8260

MS Sample ID **HS15040041-02MS** Units **ug/Kg** Analysis Date **04-Apr-2015 01:28**
Client ID **CD-4.5B** Run ID **VOA3_252235** SeqNo **3234718** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	45.71	5.0	50	0	91.4	79 - 122				
Ethylbenzene	36 86	5.0	50	0	73 7	80 - 122				S
m,p-Xylene	68.95	10	100	0	68.9	79 - 122				S
o-Xylene	34 27	5 0	50	0	68 5	80 - 123				S
Toluene	39.43	5.0	50	0	78.9	79 - 120				S
Xylenes, Total	103.2	10	150	0	68.8	80 - 120				S
Surr 1,2-Dichloroethane-d4	*45 51*	*5 0*	*50*	*0*	*91 0*	*70 - 128*				
Surr 4-Bromofluorobenzene	*50 64*	*5 0*	*50*	*0*	*101*	*73 - 126*				
Surr Dibromofluoromethane	*57 81*	*5 0*	*50*	*0*	*116*	*71 - 128*				
Surr Toluene-d8	*45 45*	*5 0*	*50*	*0*	*90 9*	*73 - 127*				

MSD Sample ID **HS15040041-02MSD** Units **ug/Kg** Analysis Date **04-Apr-2015 01:56**
Client ID **CD-4.5B** Run ID **VOA3_252235** SeqNo **3234719** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	45.71	5.0	50	0	91.4	79 - 122	45.71	0.0174	30	
Ethylbenzene	37.67	5.0	50	0	75 3	80 - 122	36.86	2.18	30	S
m,p-Xylene	69.5	10	100	0	69.5	79 - 122	68 95	0.801	30	S
o-Xylene	33 55	5.0	50	0	67 1	80 - 123	34.27	2 12	30	S
Toluene	38.78	5 0	50	0	77 6	79 - 120	39.43	1.66	30	S
Xylenes, Total	103.1	10	150	0	68.7	80 - 120	103 2	0.159	30	S
Surr 1,2-Dichloroethane-d4	*45 79*	*5 0*	*50*	*0*	*91 6*	*70 - 128*	*45 51*	*0 604*	*30*	
Surr 4-Bromofluorobenzene	*50 96*	*5 0*	*50*	*0*	*102*	*73 - 126*	*50 64*	*0 632*	*30*	
Surr Dibromofluoromethane	*59 11*	*5 0*	*50*	*0*	*118*	*71 - 128*	*57 81*	*2 22*	*30*	
Surr Toluene-d8	*45 85*	*5 0*	*50*	*0*	*91 7*	*73 - 127*	*45 45*	*0 894*	*30*	

The following samples were anayzed in this batch: HS15040041-02 HS15040041-03 HS15040041-04 HS15040041-05 HS15040041-06

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040041

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/Kg	Milligrams per Kilogram

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	15-024-0	27-Mar-2016
California	2919	31-Jul-2016
Dept of Defense	L2231 Rev 3-20-2014	22-Dec-2015
Illinois	003403	09-May-2015
Kansas	E-10352 2014-2015	31-Jul-2015
Kentucky	KY 2014-2015	30-Apr-2015
Louisiana	03087 2014/2015	30-Jun-2015
North Carolina	624 - 2015	31-Dec-2015
North Dakota	R-193 2025	30-Apr-2015
Oklahoma	2014-128	31-Aug-2015
Texas	T104704231-14-14	30-Apr-2015

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
Work Order: HS15040041

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS15040041-01	CD-4.5A	Login	4/1/2015 7 09 36 PM	BHH	LF-07
HS15040041-02	CD-4 5B	Login	4/1/2015 7 09 36 PM	BHH	LF-07
HS15040041-03	CD-5	Login	4/1/2015 7 09 36 PM	BHH	LF-07
HS15040041-04	CD-5.5A	Login	4/1/2015 7 09 36 PM	BHH	LF-07
HS15040041-05	CD-5.5B	Login	4/1/2015 7 09 36 PM	BHH	LF-07
HS15040041-06	CD-6	Login	4/1/2015 7 09 36 PM	BHH	LF-07
HS15040041-07	CD-6.5A	Login	4/1/2015 7 09 36 PM	BHH	LF-07
HS15040041-08	CD-6.5B	Login	4/1/2015 7 09 36 PM	BHH	LF-07
HS15040041-09	CD-7	Login	4/1/2015 7 09 36 PM	BHH	LF-07
HS15040041-10	FB-1	Login	4/1/2015 7·09 36 PM	BHH	LF-07

Sample Receipt Checklist

Client Name	MAGELLAN-TULSA	Date/Time Received	01-Apr-2015 10:00
Work Order	HS15040041	Received by	BHH

Checklist completed by	*Raegen Giga* (eSignature)	1-Apr-2015 (Date)	Reviewed by	*Sonia West* (eSignature) 3-Apr-2015 (Date)

Matrices: soil Carrier name: FedEx

	Yes	No	Not Present
Shipping container/cooler in good condition?	☑	☐	☐
Custody seals intact on shipping container/cooler?	☑	☐	☐
Custody seals intact on sample bottles?	☐	☐	☑
Chain of custody present?	☑	☐	
Chain of custody signed when relinquished and received?	☑	☐	
Chain of custody agrees with sample labels?	☑	☐	
Samples in proper container/bottle?	☐	☑	
Sample containers intact?	☑	☐	
Sufficient sample volume for indicated test?	☑	☐	
All samples received within holding time?	☑	☐	
Container/Temp Blank temperature in compliance?	☑	☐	

Temperature(s)/Thermometer(s)	5.2c/5.2c c/u	IR 1
Cooler(s)/Kit(s)	24011	
Date/Time sample(s) sent to storage	04/01/2015 19 20	

	Yes	No	
Water - VOA vials have zero headspace?	☐	☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	☐	☐	N/A ☑
pH adjusted?	☐	☐	N/A ☑
pH adjusted by			

Login Notes:

Client Contacted		Date Contacted	Person Contacted
Contacted By	0	Regarding	

Comments

Corrective Action:

ALS Environmental

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Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 121849

HS15040041

Magellan Midstream Partners, LP
Heame to Dallas 10"-M.P. 55

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Heame to Dallas 10" - M P 55	A	BTEX 8260
Work Order		Project Number		B	TPH TX1005
Company Name	Magellan Midstream Partners, LP	Bill To Company	Magellan Midstream Partners, LP	C	
Send Report To	Steve Moyer	Invoice Attn	Steve Moyer	D	
Address	One Williams Center	Address	One Williams Center	E	
	Mail Drop 27		Mail Drop 27	F	
City/State/Zip	Tulsa	City/State/Zip	Tulsa	G	
Phone	(918) 574-7040	Phone	(918) 574-7383	H	
Fax		Fax		I	
e-Mail Address	Steve Moyer@magellanlp.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	CD-4.5A	3-31-2015	1128	Soil	8	1	✓	✓									
2	CD-4.5B	3-31-15	1129	Soil	8	1	✓	✓									
3	CD-5	3-31-15	1121	Soil	8	1	✓	✓									
4	CD-5.5A	3-31-15	1107	Soil	8	1	✓	✓									
5	CD-5.5B	3-31-15	1059	Soil	8	1	✓	✓									
6	CD-6	3-31-15	1046	Soil	8	1	✓	✓									
7	CD-6.5A	3-31-15	1024	Soil	8	1	✓	✓									
8	CD-6.5B	3-31-15	1038	Soil	8	1	✓	✓									
9	CD-7	3-31-15	1031	Soil	8	1	✓	✓									
10	FB-1	3-31-15	1700	Filter PACK	8	1	✓	✓									

Sampler(s) Please Print & Sign: Tim Clark

Shipment Method:

Required Turnaround Time: (Check Box) ☐ Std 10 Wk days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Notes:

Relinquished by:	Date:	Time:	Received by:
Tim Clark	3/31/2015	17:03	
Relinquished by:	Date:	Time:	Received by (Laboratory):
	3/31/2015	17:50	4/1/15 0100
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Cooler ID	Cooler Temp.
2-4011	5.2°
	#1

QC Package: (Check One Box Below)
- [X] Level 2 Std QC
- [ ] Level 3 Std QC/Row da
- [ ] Level 4 SW846/CLP
- [ ] Other/EDD
- [ ] TRRP ChkList
- [ ] TRRP Level 4

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.

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ALS Environmental
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
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CUST

Date: 3/31/15
Name: SODE A
Company: ZOX

ODY SEAL

Time: 1752
ICW
HYR

1 of 2

TRK# 0215 8071 0710 8236

MASTER

43 SGRA

WED - 01 APR 10:30A
PRIORITY OVERNIGHT

77099
TX-US IAH

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Houston, TX 77099
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April 06, 2015

Steve Moyer
Magellan Midstream Partners, LP
One Williams Center
Mail Drop 27
Tulsa, OK 74172

Work Order: **HS15040050**

Laboratory Results for: **Hearne to Dallas 10"-M.P. 55**

Dear Steve,

ALS Environmental received 6 sample(s) on Apr 01, 2015 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Sonia West

Generated By: Jumoke.Lawal
Sonia West
Project Manager

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
Work Order: HS15040050

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS15040050-01	CD-1.5B	Soil		28-Mar-2015 14 05	01-Apr-2015 10 00	☐
HS15040050-02	CD-1.5A	Soil		28-Mar-2015 14 11	01-Apr-2015 10 00	☐
HS15040050-03	CD-2 5A	Soil		28-Mar-2015 14 15	01-Apr-2015 10 00	☐
HS15040050-04	CD-2.5B	Soil		28-Mar-2015 14:21	01-Apr-2015 10 00	☐
HS15040050-05	CD-3.5A	Soil		28-Mar-2015 14 26	01-Apr-2015 10 00	☐
HS15040050-06	CD-3.5B	Soil		28-Mar-2015 14:29	01-Apr-2015 10 00	☐

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
Work Order: HS15040050

CASE NARRATIVE

GC Semivolatiles by Method TX1005

Batch ID: 92008,92048

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable

GCMS Volatiles by Method SW8260

Batch ID: R252150

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable

Batch ID: R252233

Sample ID **CD-3.5B (HS15040050-06MS)**
- MS/MSD failed QC limits for some compounds.

Batch ID: R252235

Sample ID **HS15040041-02MS**
- MS and MSD are for an unrelated sample

Client.	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10"-M.P. 55	WorkOrder HS15040050
Sample ID.	CD-1.5B	Lab ID HS15040050-01
Collection Date	28-Mar-2015 14:05	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst: WLR
Benzene		U	0 00060	0.0050	mg/Kg	1	03-Apr-2015 09 58
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	03-Apr-2015 09 58
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 09 58
o-Xylene		U	0.0010	0.0050	mg/Kg	1	03-Apr-2015 09 58
Toluene		U	0.00070	0.0050	mg/Kg	1	03-Apr-2015 09 58
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 09.58
Surr 1,2-Dichloroethane-d4	*78 4*			*70-128*	*%REC*	*1*	*03-Apr-2015 09 58*
Surr 4-Bromofluorobenzene	*91 9*			*73-126*	*%REC*	*1*	*03-Apr-2015 09 58*
Surr Dibromofluoromethane	*99 5*			*71-128*	*%REC*	*1*	*03-Apr-2015 09 58*
Surr Toluene-d8	*86 6*			*73-127*	*%REC*	*1*	*03-Apr-2015 09 58*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep TX1005PR / 02-Apr-2015		Analyst: JKP
nC6 to nC12		U	9.9	50	mg/Kg	1	03-Apr-2015 21 11
>nC12 to nC28		U	9 9	50	mg/Kg	1	03-Apr-2015 21 11
>nC28 to nC35		U	9.9	50	mg/Kg	1	03-Apr-2015 21.11
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	03-Apr-2015 21 11
Surr 2-Fluorobiphenyl	*103*			*70-130*	*%REC*	*1*	*03-Apr-2015 21 11*
Surr Trifluoromethyl benzene	*86 7*			*70-130*	*%REC*	*1*	*03-Apr-2015 21 11*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project.	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040050
Sample ID:	CD-1.5A	Lab ID:HS15040050-02
Collection Date:	28-Mar-2015 14.11	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0.00060	0.0050	mg/Kg	1	04-Apr-2015 04 42
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	04-Apr-2015 04 42
m,p-Xylene		U	0.0017	0 010	mg/Kg	1	04-Apr-2015 04 42
o-Xylene		U	0.0010	0 0050	mg/Kg	1	04-Apr-2015 04 42
Toluene		U	0 00070	0.0050	mg/Kg	1	04-Apr-2015 04 42
Xylenes, Total		U	0 0017	0.010	mg/Kg	1	04-Apr-2015 04.42
Surr 1,2-Dichloroethane-d4	*94 8*			*70-128*	*%REC*	*1*	*04-Apr-2015 04 42*
Surr 4-Bromofluorobenzene	*100*			*73-126*	*%REC*	*1*	*04-Apr-2015 04 42*
Surr Dibromofluoromethane	*113*			*71-128*	*%REC*	*1*	*04-Apr-2015 04 42*
Surr Toluene-d8	*92 3*			*73-127*	*%REC*	*1*	*04-Apr-2015 04 42*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep:TX1005PR / 02-Apr-2015		Analyst: JKP
nC6 to nC12		U	9 9	50	mg/Kg	1	03-Apr-2015 21 40
>nC12 to nC28		U	9 9	50	mg/Kg	1	03-Apr-2015 21 40
>nC28 to nC35		U	9 9	50	mg/Kg	1	03-Apr-2015 21 40
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	03-Apr-2015 21 40
Surr 2-Fluorobiphenyl	*103*			*70-130*	*%REC*	*1*	*03-Apr-2015 21 40*
Surr Trifluoromethyl benzene	*87 4*			*70-130*	*%REC*	*1*	*03-Apr-2015 21 40*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10"-M.P. 55	WorkOrder.HS15040050
Sample ID	CD-2.5A	Lab ID HS15040050-03
Collection Date.	28-Mar-2015 14:15	Matrix·Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0.00060	0.0050	mg/Kg	1	04-Apr-2015 05.10
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	04-Apr-2015 05 10
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	04-Apr-2015 05·10
o-Xylene		U	0.0010	0.0050	mg/Kg	1	04-Apr-2015 05 10
Toluene		U	0.00070	0.0050	mg/Kg	1	04-Apr-2015 05 10
Xylenes, Total		U	0 0017	0.010	mg/Kg	1	04-Apr-2015 05:10
Surr· 1,2-Dichloroethane-d4	*90 7*			*70-128*	*%REC*	*1*	*04-Apr-2015 05 10*
Surr· 4-Bromofluorobenzene	*98 5*			*73-126*	*%REC*	*1*	*04-Apr-2015 05 10*
Surr· Dibromofluoromethane	*111*			*71-128*	*%REC*	*1*	*04-Apr-2015 05 10*
Surr· Toluene-d8	*89 9*			*73-127*	*%REC*	*1*	*04-Apr-2015 05 10*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst: JKP
nC6 to nC12		U	9.9	49	mg/Kg	1	04-Apr-2015 04 56
>nC12 to nC28		U	9.9	49	mg/Kg	1	04-Apr-2015 04 56
>nC28 to nC35		U	9.9	49	mg/Kg	1	04-Apr-2015 04 56
Total Petroleum Hydrocarbon		U	9.9	49	mg/Kg	1	04-Apr-2015 04 56
Surr· 2-Fluorobiphenyl	*98 2*			*70-130*	*%REC*	*1*	*04-Apr-2015 04 56*
Surr· Trifluoromethyl benzene	*84 0*			*70-130*	*%REC*	*1*	*04-Apr-2015 04 56*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040050
Sample ID	CD-2.5B	Lab ID:HS15040050-04
Collection Date:	28-Mar-2015 14 21	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst: WLR
Benzene		U	0.00060	0.0050	mg/Kg	1	04-Apr-2015 05 38
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	04-Apr-2015 05 38
m,p-Xylene		U	0 0017	0.010	mg/Kg	1	04-Apr-2015 05 38
o-Xylene		U	0.0010	0.0050	mg/Kg	1	04-Apr-2015 05 38
Toluene		U	0.00070	0.0050	mg/Kg	1	04-Apr-2015 05 38
Xylenes, Total		U	0 0017	0 010	mg/Kg	1	04-Apr-2015 05 38
Surr 1,2-Dichloroethane-d4	*87 3*			*70-128*	*%REC*	*1*	*04-Apr-2015 05 38*
Surr 4-Bromofluorobenzene	*103*			*73-126*	*%REC*	*1*	*04-Apr-2015 05 38*
Surr Dibromofluoromethane	*110*			*71-128*	*%REC*	*1*	*04-Apr-2015 05 38*
Surr Toluene-d8	*92 6*			*73-127*	*%REC*	*1*	*04-Apr-2015 05 38*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep:TX1005PR / 03-Apr-2015		Analyst: JKP
nC6 to nC12		U	9.9	50	mg/Kg	1	04-Apr-2015 06 52
>nC12 to nC28		U	9.9	50	mg/Kg	1	04-Apr-2015 06 52
>nC28 to nC35		U	9 9	50	mg/Kg	1	04-Apr-2015 06 52
Total Petroleum Hydrocarbon		U	9 9	50	mg/Kg	1	04-Apr-2015 06 52
Surr 2-Fluorobiphenyl	*111*			*70-130*	*%REC*	*1*	*04-Apr-2015 06 52*
Surr Trifluoromethyl benzene	*92 9*			*70-130*	*%REC*	*1*	*04-Apr-2015 06 52*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10"-M.P. 55	WorkOrder HS15040050
Sample ID:	CD-3.5A	Lab ID HS15040050-05
Collection Date:	28-Mar-2015 14:26	Matrix.Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	03-Apr-2015 21 47
Ethylbenzene		U	0.00090	0 0050	mg/Kg	1	03-Apr-2015 21 47
m,p-Xylene		U	0 0017	0.010	mg/Kg	1	03-Apr-2015 21 47
o-Xylene		U	0.0010	0 0050	mg/Kg	1	03-Apr-2015 21 47
Toluene		U	0 00070	0 0050	mg/Kg	1	03-Apr-2015 21 47
Xylenes, Total		U	0 0017	0.010	mg/Kg	1	03-Apr-2015 21 47
Surr 1,2-Dichloroethane-d4	*93 8*			*70-128*	*%REC*	*1*	*03-Apr-2015 21 47*
Surr 4-Bromofluorobenzene	*95 9*			*73-126*	*%REC*	*1*	*03-Apr-2015 21 47*
Surr Dibromofluoromethane	*98 2*			*71-128*	*%REC*	*1*	*03-Apr-2015 21 47*
Surr Toluene-d8	*102*			*73-127*	*%REC*	*1*	*03-Apr-2015 21 47*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep.TX1005PR / 03-Apr-2015		Analyst: JKP
nC6 to nC12		U	9.9	49	mg/Kg	1	04-Apr-2015 07 21
>nC12 to nC28		U	9 9	49	mg/Kg	1	04-Apr-2015 07 21
>nC28 to nC35		U	9.9	49	mg/Kg	1	04-Apr-2015 07 21
Total Petroleum Hydrocarbon		U	9.9	49	mg/Kg	1	04-Apr-2015 07 21
Surr 2-Fluorobiphenyl	*105*			*70-130*	*%REC*	*1*	*04-Apr-2015 07 21*
Surr Trifluoromethyl benzene	*88 6*			*70-130*	*%REC*	*1*	*04-Apr-2015 07 21*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project.	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040050
Sample ID	CD-3.5B	Lab ID HS15040050-06
Collection Date:	28-Mar-2015 14 29	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0.00060	0.0050	mg/Kg	1	03-Apr-2015 22 11
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	03-Apr-2015 22 11
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 22 11
o-Xylene		U	0.0010	0.0050	mg/Kg	1	03-Apr-2015 22 11
Toluene		U	0.00070	0.0050	mg/Kg	1	03-Apr-2015 22 11
Xylenes, Total		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 22 11
Surr 1,2-Dichloroethane-d4	*92 0*			*70-128*	*%REC*	*1*	*03-Apr-2015 22 11*
Surr 4-Bromofluorobenzene	*96 6*			*73-126*	*%REC*	*1*	*03-Apr-2015 22 11*
Surr Dibromofluoromethane	*98 0*			*71-128*	*%REC*	*1*	*03-Apr-2015 22 11*
Surr Toluene-d8	*102*			*73-127*	*%REC*	*1*	*03-Apr-2015 22 11*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst: JKP
nC6 to nC12		U	10	50	mg/Kg	1	04-Apr-2015 07 50
>nC12 to nC28		U	10	50	mg/Kg	1	04-Apr-2015 07 50
>nC28 to nC35		U	10	50	mg/Kg	1	04-Apr-2015 07 50
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	04-Apr-2015 07 50
Surr 2-Fluorobiphenyl	*91 6*			*70-130*	*%REC*	*1*	*04-Apr-2015 07 50*
Surr Trifluoromethyl benzene	*79 1*			*70-130*	*%REC*	*1*	*04-Apr-2015 07 50*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040050

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID 92008		**Test Name :** TEXAS TPH BY TX1005		**Matrix:** Soil		
HS15040050-01	CD-1.5B	28 Mar 2015 14 05		02 Apr 2015 08 13	03 Apr 2015 21 11	1
HS15040050-02	CD-1.5A	28 Mar 2015 14 11		02 Apr 2015 08 13	03 Apr 2015 21 40	1
Batch ID 92048		**Test Name :** TEXAS TPH BY TX1005		**Matrix:** Soil		
HS15040050-03	CD-2 5A	28 Mar 2015 14 15		03 Apr 2015 08 45	04 Apr 2015 04 56	1
HS15040050-04	CD-2.5B	28 Mar 2015 14 21		03 Apr 2015 08 45	04 Apr 2015 06 52	1
HS15040050-05	CD-3.5A	28 Mar 2015 14 26		03 Apr 2015 08 45	04 Apr 2015 07.21	1
HS15040050-06	CD-3 5B	28 Mar 2015 14 29		03 Apr 2015 08 45	04 Apr 2015 07 50	1
Batch ID R252150		**Test Name :** VOLATILES BY SW8260C		**Matrix:** Soil		
HS15040050-01	CD-1 5B	28 Mar 2015 14 05			03 Apr 2015 09 58	1
Batch ID R252233		**Test Name :** VOLATILES BY SW8260C		**Matrix:** Soil		
HS15040050-05	CD-3 5A	28 Mar 2015 14 26			03 Apr 2015 21 47	1
HS15040050-06	CD-3.5B	28 Mar 2015 14 29			03 Apr 2015 22 11	1
Batch ID R252235		**Test Name :** VOLATILES BY SW8260C		**Matrix:** Soil		
HS15040050-02	CD-1.5A	28 Mar 2015 14 11			04 Apr 2015 04 42	1
HS15040050-03	CD-2 5A	28 Mar 2015 14 15			04 Apr 2015 05 10	1
HS15040050-04	CD-2.5B	28 Mar 2015 14 21			04 Apr 2015 05 38	1

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040050

QC BATCH REPORT

Batch ID: 92008 **Instrument: FID-11** **Method: TX1005**

MBLK Sample ID **MBLK-92008** Units **mg/Kg** Analysis Date **03-Apr-2015 06:12**
Client ID Run ID **FID-11_252317** SeqNo **3236067** PrepDate **02-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	U	50								
>nC12 to nC28	U	50								
>nC28 to nC35	U	50								
Total Petroleum Hydrocarbon	U	50								
Surr 2-Fluorobiphenyl	*29 37*	*0*	*25*	*0*	*117*	*70 - 130*				
Surr Trifluoromethyl benzene	*24 08*	*0*	*25*	*0*	*96 3*	*70 - 130*				

LCS Sample ID. **LCS-92008** Units **mg/Kg** Analysis Date **03-Apr-2015 06:41**
Client ID Run ID **FID-11_252317** SeqNo **3236068** PrepDate **02-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	207.3	50	250	0	82.9	75 - 125				
>nC12 to nC28	234 7	50	250	0	93.9	75 - 125				
Surr 2-Fluorobiphenyl	*28 08*	*0*	*25*	*0*	*112*	*70 - 130*				
Surr Trifluoromethyl benzene	*20 91*	*0*	*25*	*0*	*83 7*	*70 - 130*				

LCSD Sample ID **LCSD-92008** Units **mg/Kg** Analysis Date **03-Apr-2015 07:10**
Client ID Run ID **FID-11_252317** SeqNo **3236069** PrepDate **02-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	221 4	50	250	0	88 6	75 - 125	207 3	6 61	20	
>nC12 to nC28	250.2	50	250	0	100	75 - 125	234.7	6.36	20	
Surr 2-Fluorobiphenyl	*28 87*	*0*	*25*	*0*	*115*	*70 - 130*	*28 08*	*2 78*	*20*	
Surr Trifluoromethyl benzene	*21 72*	*0*	*25*	*0*	*86 9*	*70 - 130*	*20 91*	*3 8*	*20*	

MS Sample ID **HS15040041-01MS** Units **mg/Kg** Analysis Date **03-Apr-2015 08:08**
Client ID Run ID **FID-11_252317** SeqNo **3236071** PrepDate **02-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	232.5	50	248	0	93.8	75 - 125				
>nC12 to nC28	217	50	248	0	87 5	75 - 125				
Surr 2-Fluorobiphenyl	*29 34*	*0*	*24 8*	*0*	*118*	*70 - 130*				
Surr Trifluoromethyl benzene	*22 02*	*0*	*24 8*	*0*	*88 8*	*70 - 130*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040050

QC BATCH REPORT

Batch ID: 92008 **Instrument: FID-11** **Method: TX1005**

MSD Sample ID **HS15040041-01MSD** Units **mg/Kg** Analysis Date **03-Apr-2015 08:37**
Client ID Run ID **FID-11_252317** SeqNo **3236072** PrepDate **02-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	244 7	50	247.8	0	98 8	75 - 125	232.5	5 09	20	
>nC12 to nC28	238.7	50	247.8	0	96 3	75 - 125	217	9.55	20	
Surr 2-Fluorobiphenyl	*31 56*	*0*	*24 78*	*0*	*127*	*70 - 130*	*29 34*	*7 3*	*20*	
Surr Trifluoromethyl benzene	*23 38*	*0*	*24 78*	*0*	*94 4*	*70 - 130*	*22 02*	*5 98*	*20*	

The following samples were anayzed in this batch: HS15040050-01 HS15040050-02

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040050

QC BATCH REPORT

Batch ID: 92048 **Instrument:** FID-11 **Method:** TX1005

MBLK Sample ID **MBLK-92048** Units **mg/Kg** Analysis Date **03-Apr-2015 22:09**
Client ID Run ID **FID-11_252259** SeqNo **3235345** PrepDate **03-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	U	50								
>nC12 to nC28	U	50								
>nC28 to nC35	U	50								
Total Petroleum Hydrocarbon	U	50								
Surr 2-Fluorobiphenyl	*25 15*	*0*	*25*	*0*	*101*	*70 - 130*				
Surr Trifluoromethyl benzene	*21 21*	*0*	*25*	*0*	*84 8*	*70 - 130*				

LCS Sample ID **LCS-92048** Units **mg/Kg** Analysis Date **03-Apr-2015 22:38**
Client ID Run ID **FID-11_252259** SeqNo **3235346** PrepDate **03-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	231.4	50	250	0	92.6	75 - 125				
>nC12 to nC28	219.8	50	250	0	87.9	75 - 125				
Surr 2-Fluorobiphenyl	*30 09*	*0*	*25*	*0*	*120*	*70 - 130*				
Surr Trifluoromethyl benzene	*22 71*	*0*	*25*	*0*	*90 8*	*70 - 130*				

LCSD Sample ID **LCSD-92048** Units **mg/Kg** Analysis Date **04-Apr-2015 23:07**
Client ID Run ID **FID-11_252259** SeqNo **3235361** PrepDate: **03-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	226.9	50	250	0	90.8	75 - 125	231.4	1.96	20	
>nC12 to nC28	236.7	50	250	0	94.7	75 - 125	219 8	7.4	20	
Surr 2-Fluorobiphenyl	*28 86*	*0*	*25*	*0*	*115*	*70 - 130*	*30 09*	*4 18*	*20*	
Surr Trifluoromethyl benzene	*21 53*	*0*	*25*	*0*	*86 1*	*70 - 130*	*22 71*	*5 31*	*20*	

MS Sample ID **HS15040035-01MS** Units· **mg/Kg** Analysis Date **04-Apr-2015 00:05**
Client ID Run ID **FID-11_252259** SeqNo **3235347** PrepDate **03-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	214.1	50	247.8	5.901	84 0	75 - 125				
>nC12 to nC28	252 1	50	247.8	8.113	98.5	75 - 125				
Surr 2-Fluorobiphenyl	*26 47*	*0*	*24 78*	*0*	*107*	*70 - 130*				
Surr Trifluoromethyl benzene	*20 29*	*0*	*24 78*	*0*	*81 9*	*70 - 130*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040050

QC BATCH REPORT

Batch ID: 92048 **Instrument:** FID-11 **Method:** TX1005

MSD Sample ID **HS15040035-01MSD** Units: **mg/Kg** Analysis Date: **04-Apr-2015 00:34**
Client ID. Run ID: **FID-11_252259** SeqNo **3235348** PrepDate **03-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	217 2	50	248 3	5.901	85.1	75 - 125	214.1	1.41	20	
>nC12 to nC28	264.3	50	248.3	8.113	103	75 - 125	252.1	4.73	20	
Surr: 2-Fluorobiphenyl	*26 44*	*0*	*24 83*	*0*	*106*	*70 - 130*	*26 47*	*0 131*	*20*	
Surr: Trifluoromethyl benzene	*19 61*	*0*	*24 83*	*0*	*79 0*	*70 - 130*	*20 29*	*3 39*	*20*	

The following samples were anayzed in this batch: HS15040050-03 HS15040050-04 HS15040050-05 HS15040050-06

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040050

QC BATCH REPORT

Batch ID: R252150 **Instrument:** VOA3 **Method:** SW8260

MBLK Sample ID **VBLKS1-040315** Units **ug/Kg** Analysis Date **03-Apr-2015 09:01**
Client ID Run ID **VOA3_252150** SeqNo **3233221** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	5 0								
Ethylbenzene	U	5.0								
m,p-Xylene	U	10								
o-Xylene	U	5.0								
Toluene	U	5 0								
Xylenes, Total	U	10								
Surr 1,2-Dichloroethane-d4	*44 25*	*5 0*	*50*	*0*	*88 5*	*70 - 128*				
Surr 4-Bromofluorobenzene	*47 83*	*5 0*	*50*	*0*	*95 7*	*73 - 126*				
Surr Dibromofluoromethane	*52 3*	*5 0*	*50*	*0*	*105*	*71 - 128*				
Surr Toluene-d8	*42 68*	*5 0*	*50*	*0*	*85 4*	*73 - 127*				

LCS Sample ID **VLCSS1-040315** Units **ug/Kg** Analysis Date **03-Apr-2015 08:05**
Client ID Run ID **VOA3_252150** SeqNo **3233220** PrepDate. DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	51.97	5.0	50	0	104	79 - 122				
Ethylbenzene	50.83	5 0	50	0	102	80 - 122				
m,p-Xylene	98 47	10	100	0	98 5	79 - 122				
o-Xylene	49.95	5 0	50	0	99.9	80 - 123				
Toluene	48.01	5.0	50	0	96 0	79 - 120				
Xylenes, Total	148 4	10	150	0	98.9	80 - 120				
Surr 1,2-Dichloroethane-d4	*47 59*	*5 0*	*50*	*0*	*95 2*	*70 - 128*				
Surr 4-Bromofluorobenzene	*51 25*	*5 0*	*50*	*0*	*103*	*73 - 126*				
Surr Dibromofluoromethane	*54 28*	*5 0*	*50*	*0*	*109*	*71 - 128*				
Surr Toluene-d8	*43 85*	*5 0*	*50*	*0*	*87 7*	*73 - 127*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040050

QC BATCH REPORT

Batch ID: R252150 **Instrument:** VOA3 **Method:** SW8260

MS Sample ID: HS15040050-01MS Units ug/Kg Analysis Date 03-Apr-2015 11:23
Client ID CD-1.5B Run ID VOA3_252150 SeqNo 3233568 PrepDate DF 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	58 38	5 0	50	0	117	79 - 122				
Ethylbenzene	56 15	5 0	50	0	112	80 - 122				
m,p-Xylene	108 2	10	100	0	108	79 - 122				
o-Xylene	53.83	5 0	50	0	108	80 - 123				
Toluene	52.82	5 0	50	0	106	79 - 120				
Xylenes, Total	162	10	150	0	108	80 - 120				
Surr 1,2-Dichloroethane-d4	*44 46*	*5 0*	*50*	*0*	*88 9*	*70 - 128*				
Surr 4-Bromofluorobenzene	*48 72*	*5 0*	*50*	*0*	*97 4*	*73 - 126*				
Surr Dibromofluoromethane	*51 17*	*5 0*	*50*	*0*	*102*	*71 - 128*				
Surr Toluene-d8	*44 35*	*5 0*	*50*	*0*	*88 7*	*73 - 127*				

MSD Sample ID HS15040050-01MSD Units ug/Kg Analysis Date 03-Apr-2015 11:51
Client ID CD-1.5B Run ID VOA3_252150 SeqNo 3233569 PrepDate DF 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	51.72	5 0	50	0	103	79 - 122	58.38	12 1	30	
Ethylbenzene	49.52	5.0	50	0	99.0	80 - 122	56 15	12.5	30	
m,p-Xylene	95 41	10	100	0	95 4	79 - 122	108.2	12.6	30	
o-Xylene	47.58	5 0	50	0	95 2	80 - 123	53.83	12.3	30	
Toluene	46 81	5.0	50	0	93.6	79 - 120	52.82	12.1	30	
Xylenes, Total	143	10	150	0	95 3	80 - 120	162	12.5	30	
Surr 1,2-Dichloroethane-d4	*44 23*	*5 0*	*50*	*0*	*88 5*	*70 - 128*	*44 46*	*0 512*	*30*	
Surr 4-Bromofluorobenzene	*48 48*	*5 0*	*50*	*0*	*97 0*	*73 - 126*	*48 72*	*0 495*	*30*	
Surr Dibromofluoromethane	*51 97*	*5 0*	*50*	*0*	*104*	*71 - 128*	*51 17*	*1 55*	*30*	
Surr Toluene-d8	*43 66*	*5 0*	*50*	*0*	*87 3*	*73 - 127*	*44 35*	*1 56*	*30*	

The following samples were anayzed in this batch: HS15040050-01

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040050

QC BATCH REPORT

Batch ID: R252233 **Instrument:** VOA5 **Method:** SW8260

MBLK Sample ID **VBLKS2-040315** Units: **ug/Kg** Analysis Date **03-Apr-2015 21:24**
Client ID Run ID **VOA5_252233** SeqNo **3234664** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	5 0								
Ethylbenzene	U	5.0								
m,p-Xylene	U	10								
o-Xylene	U	5.0								
Toluene	U	5 0								
Xylenes, Total	U	10								
Surr 1,2-Dichloroethane-d4	*48 18*	*5 0*	*50*	*0*	*96 4*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 26*	*5 0*	*50*	*0*	*98 5*	*73 - 126*				
Surr Dibromofluoromethane	*50 11*	*5 0*	*50*	*0*	*100*	*71 - 128*				
Surr Toluene-d8	*50 56*	*5 0*	*50*	*0*	*101*	*73 - 127*				

LCS Sample ID **VLCSS2-040315** Units **ug/Kg** Analysis Date. **03-Apr-2015 20:33**
Client ID Run ID **VOA5_252233** SeqNo **3234663** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	46.74	5.0	50	0	93.5	79 - 122				
Ethylbenzene	45.49	5.0	50	0	91.0	80 - 122				
m,p-Xylene	90.29	10	100	0	90.3	79 - 122				
o-Xylene	45.07	5 0	50	0	90 1	80 - 123				
Toluene	43 96	5.0	50	0	87 9	79 - 120				
Xylenes, Total	135.4	10	150	0	90 2	80 - 120				
Surr 1,2-Dichloroethane-d4	*50 32*	*5 0*	*50*	*0*	*101*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 63*	*5 0*	*50*	*0*	*99 3*	*73 - 126*				
Surr Dibromofluoromethane	*50 64*	*5 0*	*50*	*0*	*101*	*71 - 128*				
Surr Toluene-d8	*49 87*	*5 0*	*50*	*0*	*99 7*	*73 - 127*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040050

QC BATCH REPORT

Batch ID: R252233 **Instrument:** VOA5 **Method:** SW8260

MS Sample ID: HS15040050-06MS Units ug/Kg Analysis Date 03-Apr-2015 22:34
Client ID CD-3.5B Run ID VOA5_252233 SeqNo 3234667 PrepDate DF 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	41.7	5.0	50	0	83.4	79 - 122				
Ethylbenzene	36 52	5.0	50	0	73 0	80 - 122				S
m,p-Xylene	71.48	10	100	0	71.5	79 - 122				S
o-Xylene	34 64	5.0	50	0	69 3	80 - 123				S
Toluene	35 41	5 0	50	0	70.8	79 - 120				S
Xylenes, Total	106.1	10	150	0	70 7	80 - 120				S
Surr 1,2-Dichloroethane-d4	*48 96*	*5 0*	*50*	*0*	*97 9*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 74*	*5 0*	*50*	*0*	*99 5*	*73 - 126*				
Surr Dibromofluoromethane	*51 04*	*5 0*	*50*	*0*	*102*	*71 - 128*				
Surr Toluene-d8	*50 03*	*5 0*	*50*	*0*	*100*	*73 - 127*				

MSD Sample ID: HS15040050-06MSD Units ug/Kg Analysis Date: 03-Apr-2015 22:58
Client ID. CD-3.5B Run ID: VOA5_252233 SeqNo 3234668 PrepDate DF 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	43 13	5 0	50	0	86 3	79 - 122	41.7	3.37	30	
Ethylbenzene	38.46	5.0	50	0	76 9	80 - 122	36 52	5.15	30	S
m,p-Xylene	74.17	10	100	0	74.2	79 - 122	71.48	3.7	30	S
o-Xylene	35 8	5.0	50	0	71.6	80 - 123	34.64	3 29	30	S
Toluene	36.77	5.0	50	0	73.5	79 - 120	35 41	3 78	30	S
Xylenes, Total	110	10	150	0	73.3	80 - 120	106 1	3 56	30	S
Surr 1,2-Dichloroethane-d4	*49 57*	*5 0*	*50*	*0*	*99 1*	*70 - 128*	*48 96*	*1 24*	*30*	
Surr 4-Bromofluorobenzene	*48 67*	*5 0*	*50*	*0*	*97 3*	*73 - 126*	*49 74*	*2 17*	*30*	
Surr Dibromofluoromethane	*50 73*	*5 0*	*50*	*0*	*101*	*71 - 128*	*51 04*	*0 607*	*30*	
Surr Toluene-d8	*50 42*	*5 0*	*50*	*0*	*101*	*73 - 127*	*50 03*	*0 794*	*30*	

The following samples were anayzed in this batch: HS15040050-05 HS15040050-06

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040050

QC BATCH REPORT

Batch ID: R252235 **Instrument:** VOA3 **Method:** SW8260

MBLK Sample ID **VBLKS2-040215** Units **ug/Kg** Analysis Date **03-Apr-2015 22:40**
Client ID Run ID **VOA3_252235** SeqNo **3234712** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	5.0								
Ethylbenzene	U	5.0								
m,p-Xylene	U	10								
o-Xylene	U	5.0								
Toluene	U	5 0								
Xylenes, Total	U	10								
Surr 1,2-Dichloroethane-d4	*42 61*	*5 0*	*50*	*0*	*85 2*	*70 - 128*				
Surr 4-Bromofluorobenzene	*47 53*	*5 0*	*50*	*0*	*95 1*	*73 - 126*				
Surr Dibromofluoromethane	*53 02*	*5 0*	*50*	*0*	*106*	*71 - 128*				
Surr Toluene-d8	*43 52*	*5 0*	*50*	*0*	*87 0*	*73 - 127*				

LCS Sample ID **VLCSS2-040315** Units **ug/Kg** Analysis Date **03-Apr-2015 21:44**
Client ID Run ID **VOA3_252235** SeqNo **3234711** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	54.28	5.0	50	0	109	79 - 122				
Ethylbenzene	49.97	5 0	50	0	99.9	80 - 122				
m,p-Xylene	98 27	10	100	0	98.3	79 - 122				
o-Xylene	49.26	5 0	50	0	98.5	80 - 123				
Toluene	48 03	5.0	50	0	96.1	79 - 120				
Xylenes, Total	147.5	10	150	0	98.3	80 - 120				
Surr 1,2-Dichloroethane-d4	*46 96*	*5 0*	*50*	*0*	*93 9*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 74*	*5 0*	*50*	*0*	*99 5*	*73 - 126*				
Surr Dibromofluoromethane	*54 68*	*5 0*	*50*	*0*	*109*	*71 - 128*				
Surr Toluene-d8	*42 58*	*5 0*	*50*	*0*	*85 2*	*73 - 127*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040050

QC BATCH REPORT

Batch ID: R252235 **Instrument:** VOA3 **Method:** SW8260

MS Sample ID HS15040041-02MS Units ug/Kg Analysis Date 04-Apr-2015 01:28
Client ID Run ID VOA3_252235 SeqNo. 3234718 PrepDate DF 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	45 71	5 0	50	0	91.4	79 - 122				
Ethylbenzene	36.86	5.0	50	0	73.7	80 - 122				S
m,p-Xylene	68 95	10	100	0	68.9	79 - 122				S
o-Xylene	34.27	5 0	50	0	68.5	80 - 123				S
Toluene	39 43	5 0	50	0	78 9	79 - 120				S
Xylenes, Total	103 2	10	150	0	68.8	80 - 120				S
Surr 1,2-Dichloroethane-d4	*45 51*	*5 0*	*50*	*0*	*91 0*	*70 - 128*				
Surr 4-Bromofluorobenzene	*50 64*	*5 0*	*50*	*0*	*101*	*73 - 126*				
Surr Dibromofluoromethane	*57 81*	*5 0*	*50*	*0*	*116*	*71 - 128*				
Surr Toluene-d8	*45 45*	*5 0*	*50*	*0*	*90 9*	*73 - 127*				

MSD Sample ID. HS15040041-02MSD Units ug/Kg Analysis Date 04-Apr-2015 01:56
Client ID Run ID VOA3_252235 SeqNo. 3234719 PrepDate DF 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	45.71	5.0	50	0	91.4	79 - 122	45 71	0 0174	30	
Ethylbenzene	37.67	5 0	50	0	75.3	80 - 122	36.86	2.18	30	S
m,p-Xylene	69.5	10	100	0	69.5	79 - 122	68 95	0.801	30	S
o-Xylene	33.55	5.0	50	0	67 1	80 - 123	34 27	2.12	30	S
Toluene	38.78	5.0	50	0	77 6	79 - 120	39 43	1.66	30	S
Xylenes, Total	103.1	10	150	0	68.7	80 - 120	103 2	0.159	30	S
Surr 1,2-Dichloroethane-d4	*45 79*	*5 0*	*50*	*0*	*91 6*	*70 - 128*	*45 51*	*0 604*	*30*	
Surr 4-Bromofluorobenzene	*50 96*	*5 0*	*50*	*0*	*102*	*73 - 126*	*50 64*	*0 632*	*30*	
Surr Dibromofluoromethane	*59 11*	*5 0*	*50*	*0*	*118*	*71 - 128*	*57 81*	*2 22*	*30*	
Surr Toluene-d8	*45 85*	*5 0*	*50*	*0*	*91 7*	*73 - 127*	*45 45*	*0 894*	*30*	

The following samples were anayzed in this batch: HS15040050-02 HS15040050-03 HS15040050-04

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: **HS15040050**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/Kg	Milligrams per Kilogram

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	15-024-0	27-Mar-2016
California	2919	31-Jul-2016
Dept of Defense	L2231 Rev 3-20-2014	22-Dec-2015
Illinois	003403	09-May-2015
Kansas	E-10352 2014-2015	31-Jul-2015
Kentucky	KY 2014-2015	30-Apr-2015
Louisiana	03087 2014/2015	30-Jun-2015
North Carolina	624 - 2015	31-Dec-2015
North Dakota	R-193 2025	30-Apr-2015
Oklahoma	2014-128	31-Aug-2015
Texas	T104704231-14-14	30-Apr-2015

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
Work Order: HS15040050

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS15040050-01	CD-1 5B	Login	4/1/2015 7 58 22 PM	RPG	VW-2
HS15040050-02	CD-1 5A	Login	4/1/2015 7 58 22 PM	RPG	VW-2
HS15040050-03	CD-2.5A	Login	4/1/2015 7 58 22 PM	RPG	VW-2
HS15040050-04	CD-2.5B	Login	4/1/2015 7 58 22 PM	RPG	VW-2
HS15040050-05	CD-3.5A	Login	4/1/2015 7 58 22 PM	RPG	VW-2
HS15040050-06	CD-3.5B	Login	4/1/2015 7 58 22 PM	RPG	VW-2

Sample Receipt Checklist

Client Name.	MAGELLAN-TULSA	Date/Time Received	01-Apr-2015 10:00
Work Order	HS15040050	Received by	BHH

Checklist completed by	*Raegen Giga* eSignature	1-Apr-2015 Date	Reviewed by	*Sonia West* eSignature	3-Apr-2015 Date

Matrices: soil Carrier name: FedEx

	Yes	No	Not Present
Shipping container/cooler in good condition?	☑	☐	☐
Custody seals intact on shipping container/cooler?	☑	☐	☐
Custody seals intact on sample bottles?	☐	☐	☑
Chain of custody present?	☑	☐	
Chain of custody signed when relinquished and received?	☑	☐	
Chain of custody agrees with sample labels?	☑	☐	
Samples in proper container/bottle?	☐	☑	
Sample containers intact?	☑	☐	
Sufficient sample volume for indicated test?	☑	☐	
All samples received within holding time?	☑	☐	
Container/Temp Blank temperature in compliance?	☑	☐	

Temperature(s)/Thermometer(s).	4.3c/4 3c c/u	IR 1
Cooler(s)/Kit(s).	5028	
Date/Time sample(s) sent to storage	04/01/2015 19 59	

	Yes	No	
Water - VOA vials have zero headspace?	☐	☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	☐	☐	N/A ☑
pH adjusted?	☐	☐	N/A ☑
pH adjusted by			

Login Notes: TX1005 sx in Bulk Jar

Client Contacted		Date Contacted		Person Contacted	
Contacted By	0	Regarding			

Comments

Corrective Action

ALS Environmental

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Form

Page ____ of ____

COC ID: 121861

HS15040050

Magellan Midstream Partners, LP
Heame to Dallas 10"-M.P. 55

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Heame to Dallas 10" - M P. 55	A	BTEX 8260
Work Order		Project Number		B	TPH TX1005
Company Name	Magellan Midstream Partners, LP	Bill To Company	Magellan Midstream Partners, LP	C	
Send Report To	Steve Moyer	Invoice Attn	Steve Moyer	D	
Address	One Williams Center Mail Drop 27	Address	One Williams Center Mail Drop 27	E F	
City/State/Zip	Tulsa	City/State/Zip	Tulsa	G	
Phone	(918) 574-7040	Phone	(918) 574-7383	H	
Fax		Fax		I	
e-Mail Address	Steve Moyer@magellanlp.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	CD-1.5B	3/28/2015	1405	Soil	8	1	✓	✓									
2	CD-1.5A	3/28/15	1411	Soil	8	1	✓	✓									
3	CD-2.5A	3/28/15	1415	Soil	8	1	✓	✓									
4	CD-2.5B	3/28/15	1421	Soil	8	1	✓	✓									
5	CD-3.5A	3/28/15	1426	Soil	8	1	✓	✓									
6	DD-3.5B	3/28/15	1429	Soil	8	1	✓	✓									
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: STEVE MCVEY [signature]

Shipment Method:

Required Turnaround Time: (Check Box) ☐ Std 10 Wk days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other ____

Results Due Date:

Notes:

Relinquished by: [signature]	Date: 3/31/2015	Time:	Received by:
Relinquished by:	Date: 4/1/15	Time: 10:00	Received by (Laboratory): [signature]
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Cooler ID: 5628 Cooler Temp.: 4.3°C #1

QC Package: (Check One Box Below)
- [X] Level 2 Std QC
- [ ] Level 3 Std QC/Row da
- [ ] Level 4 SW846/CLP
- [ ] Other/EDD ____
- [ ] TRRP ChkList
- [ ] TRRP Level 4

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
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Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

CUSTODY SEAL
Date: [illegible] Time: [illegible]
Name: [illegible]
Company: [illegible]
Seal Broken By:
4/1/15

TRK# 0201 7804 2755 9076
WED – 01 APR 10:30A
PRIORITY OVERNIGHT

43 SGRA

77099
TX-US IAH

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T +1 281 530 5656
F. +1 281 530 5887
www.alsglobal.com

April 03, 2015

Steve Moyer
Magellan Midstream Partners, LP
One Williams Center
Mail Drop 27
Tulsa, OK 74172

Work Order: **HS15040063**

Laboratory Results for: **Heame to Dallas 10" - M.P.55**

Dear Steve,

ALS Environmental received 7 sample(s) on Apr 02, 2015 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Sonia West

Generated By: Jumoke.Lawal
Sonia West
Project Manager

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10" - M.P.55
Work Order: HS15040063

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS15040063-01	BMP 12-1	Soil		01-Apr-2015 14 07	02-Apr-2015 09 30	☐
HS15040063-02	BMP 12-1 5A	Soil		01-Apr-2015 14 14	02-Apr-2015 09 30	☐
HS15040063-03	BMP 12-1.5B	Soil		01-Apr-2015 14 12	02-Apr-2015 09 30	☐
HS15040063-04	BMP 12-2	Soil		01-Apr-2015 14 39	02-Apr-2015 09 30	☐
HS15040063-05	BMP 12-2.5B	Soil		01-Apr-2015 14 44	02-Apr-2015 09 30	☐
HS15040063-06	BMP 12-2.5A	Soil		01-Apr-2015 14 51	02-Apr-2015 09 30	☐
HS15040063-07	BMP 12-3	Soil		01-Apr-2015 14 58	02-Apr-2015 09 30	☐

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10" - M P.55
Work Order: HS15040063

CASE NARRATIVE

GC Semivolatiles by Method TX1005

Batch ID: 92040

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable

GCMS Volatiles by Method SW8260

Batch ID: R252073

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Heame to Dallas 10" - M.P.55	WorkOrder HS15040063
Sample ID	BMP 12-1	Lab ID HS15040063-01
Collection Date:	01-Apr-2015 14 07	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst: WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	02-Apr-2015 15 19
Ethylbenzene		U	0 00090	0.0050	mg/Kg	1	02-Apr-2015 15 19
m,p-Xylene		U	0 0017	0.010	mg/Kg	1	02-Apr-2015 15 19
o-Xylene		U	0.0010	0.0050	mg/Kg	1	02-Apr-2015 15 19
Toluene		U	0.00070	0.0050	mg/Kg	1	02-Apr-2015 15 19
Xylenes, Total		U	0 0017	0 010	mg/Kg	1	02-Apr-2015 15 19
Surr 1,2-Dichloroethane-d4	*80 7*			*70-128*	*%REC*	*1*	*02-Apr-2015 15 19*
Surr 4-Bromofluorobenzene	*90 0*			*73-126*	*%REC*	*1*	*02-Apr-2015 15 19*
Surr Dibromofluoromethane	*102*			*71-128*	*%REC*	*1*	*02-Apr-2015 15 19*
Surr Toluene-d8	*88 6*			*73-127*	*%REC*	*1*	*02-Apr-2015 15 19*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep TX1005PR / 02-Apr-2015		Analyst. JKP
nC6 to nC12		U	9.9	50	mg/Kg	1	03-Apr-2015 03 45
>nC12 to nC28		U	9.9	50	mg/Kg	1	03-Apr-2015 03 45
>nC28 to nC35		U	9.9	50	mg/Kg	1	03-Apr-2015 03 45
Total Petroleum Hydrocarbon		U	9 9	50	mg/Kg	1	03-Apr-2015 03 45
Surr 2-Fluorobiphenyl	*123*			*70-130*	*%REC*	*1*	*03-Apr-2015 03 45*
Surr Trifluoromethyl benzene	*108*			*70-130*	*%REC*	*1*	*03-Apr-2015 03 45*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Heame to Dallas 10" - M.P.55	WorkOrder.HS15040063
Sample ID:	BMP 12-1.5A	Lab ID.HS15040063-02
Collection Date·	01-Apr-2015 14·14	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	02-Apr-2015 15 47
Ethylbenzene		U	0.00090	0 0050	mg/Kg	1	02-Apr-2015 15 47
m,p-Xylene		U	0.0017	0 010	mg/Kg	1	02-Apr-2015 15 47
o-Xylene		U	0.0010	0.0050	mg/Kg	1	02-Apr-2015 15 47
Toluene		U	0.00070	0.0050	mg/Kg	1	02-Apr-2015 15 47
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	02-Apr-2015 15.47
Surr 1,2-Dichloroethane-d4	*88 2*			*70-128*	*%REC*	*1*	*02-Apr-2015 15 47*
Surr 4-Bromofluorobenzene	*90 0*			*73-126*	*%REC*	*1*	*02-Apr-2015 15 47*
Surr Dibromofluoromethane	*101*			*71-128*	*%REC*	*1*	*02-Apr-2015 15 47*
Surr Toluene-d8	*86 5*			*73-127*	*%REC*	*1*	*02-Apr-2015 15 47*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 02-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	03-Apr-2015 05 23
>nC12 to nC28		U	10	50	mg/Kg	1	03-Apr-2015 05 23
>nC28 to nC35		U	10	50	mg/Kg	1	03-Apr-2015 05 23
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	03-Apr-2015 05 23
Surr 2-Fluorobiphenyl	*127*			*70-130*	*%REC*	*1*	*03-Apr-2015 05 23*
Surr Trifluoromethyl benzene	*112*			*70-130*	*%REC*	*1*	*03-Apr-2015 05 23*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project.	Heame to Dallas 10" - M.P.55	WorkOrder:HS15040063
Sample ID	BMP 12-1.5B	Lab ID HS15040063-03
Collection Date	01-Apr-2015 14:12	Matrix: Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst. WLR
Benzene		U	0.00060	0.0050	mg/Kg	1	02-Apr-2015 16 15
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	02-Apr-2015 16 15
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	02-Apr-2015 16 15
o-Xylene		U	0.0010	0 0050	mg/Kg	1	02-Apr-2015 16 15
Toluene		U	0 00070	0 0050	mg/Kg	1	02-Apr-2015 16 15
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	02-Apr-2015 16 15
Surr 1,2-Dichloroethane-d4	*83 2*			*70-128*	*%REC*	*1*	*02-Apr-2015 16 15*
Surr 4-Bromofluorobenzene	*91 5*			*73-126*	*%REC*	*1*	*02-Apr-2015 16 15*
Surr Dibromofluoromethane	*103*			*71-128*	*%REC*	*1*	*02-Apr-2015 16 15*
Surr Toluene-d8	*91 4*			*73-127*	*%REC*	*1*	*02-Apr-2015 16 15*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 02-Apr-2015		Analyst. JKP
nC6 to nC12		U	9 9	50	mg/Kg	1	03-Apr-2015 05 56
>nC12 to nC28		U	9 9	50	mg/Kg	1	03-Apr-2015 05 56
>nC28 to nC35		U	9 9	50	mg/Kg	1	03-Apr-2015 05 56
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	03-Apr-2015 05 56
Surr 2-Fluorobiphenyl	*129*			*70-130*	*%REC*	*1*	*03-Apr-2015 05 56*
Surr Trifluoromethyl benzene	*113*			*70-130*	*%REC*	*1*	*03-Apr-2015 05 56*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Heame to Dallas 10" - M.P.55	WorkOrder HS15040063
Sample ID:	BMP 12-2	Lab ID.HS15040063-04
Collection Date:	01-Apr-2015 14 39	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst WLR
Benzene		U	0.00060	0.0050	mg/Kg	1	02-Apr-2015 16 43
Ethylbenzene		U	0.00090	0 0050	mg/Kg	1	02-Apr-2015 16 43
m,p-Xylene		U	0 0017	0 010	mg/Kg	1	02-Apr-2015 16 43
o-Xylene		U	0.0010	0 0050	mg/Kg	1	02-Apr-2015 16 43
Toluene		U	0.00070	0.0050	mg/Kg	1	02-Apr-2015 16 43
Xylenes, Total		U	0.0017	0 010	mg/Kg	1	02-Apr-2015 16 43
Surr 1,2-Dichloroethane-d4	*83 6*			*70-128*	*%REC*	*1*	*02-Apr-2015 16 43*
Surr 4-Bromofluorobenzene	*95 7*			*73-126*	*%REC*	*1*	*02-Apr-2015 16 43*
Surr Dibromofluoromethane	*102*			*71-128*	*%REC*	*1*	*02-Apr-2015 16 43*
Surr Toluene-d8	*87 2*			*73-127*	*%REC*	*1*	*02-Apr-2015 16 43*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 02-Apr-2015		Analyst: JKP
nC6 to nC12		U	9.9	50	mg/Kg	1	03-Apr-2015 06 28
>nC12 to nC28		U	9.9	50	mg/Kg	1	03-Apr-2015 06 28
>nC28 to nC35		U	9.9	50	mg/Kg	1	03-Apr-2015 06 28
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	03-Apr-2015 06 28
Surr 2-Fluorobiphenyl	*127*			*70-130*	*%REC*	*1*	*03-Apr-2015 06 28*
Surr Trifluoromethyl benzene	*111*			*70-130*	*%REC*	*1*	*03-Apr-2015 06 28*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project.	Heame to Dallas 10" - M.P.55	WorkOrder HS15040063
Sample ID	BMP 12-2.5B	Lab ID HS15040063-05
Collection Date:	01-Apr-2015 14:44	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	02-Apr-2015 17 11
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	02-Apr-2015 17 11
m,p-Xylene		U	0 0017	0.010	mg/Kg	1	02-Apr-2015 17 11
o-Xylene		U	0.0010	0 0050	mg/Kg	1	02-Apr-2015 17 11
Toluene		U	0.00070	0 0050	mg/Kg	1	02-Apr-2015 17 11
Xylenes, Total		U	0 0017	0.010	mg/Kg	1	02-Apr-2015 17 11
Surr 1,2-Dichloroethane-d4	*86 9*			*70-128*	*%REC*	*1*	*02-Apr-2015 17 11*
Surr 4-Bromofluorobenzene	*93 3*			*73-126*	*%REC*	*1*	*02-Apr-2015 17 11*
Surr Dibromofluoromethane	*104*			*71-128*	*%REC*	*1*	*02-Apr-2015 17 11*
Surr Toluene-d8	*87 6*			*73-127*	*%REC*	*1*	*02-Apr-2015 17 11*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep.TX1005PR / 02-Apr-2015		Analyst: JKP
nC6 to nC12		U	10	50	mg/Kg	1	03-Apr-2015 07 00
>nC12 to nC28		U	10	50	mg/Kg	1	03-Apr-2015 07 00
>nC28 to nC35		U	10	50	mg/Kg	1	03-Apr-2015 07 00
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	03-Apr-2015 07 00
Surr 2-Fluorobiphenyl	*124*			*70-130*	*%REC*	*1*	*03-Apr-2015 07 00*
Surr Trifluoromethyl benzene	*116*			*70-130*	*%REC*	*1*	*03-Apr-2015 07 00*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Heame to Dallas 10" - M.P.55	WorkOrder HS15040063
Sample ID:	BMP 12-2.5A	Lab ID HS15040063-06
Collection Date:	01-Apr-2015 14 51	Matrix.Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	02-Apr-2015 17 40
Ethylbenzene		U	0.00090	0 0050	mg/Kg	1	02-Apr-2015 17 40
m,p-Xylene		U	0 0017	0.010	mg/Kg	1	02-Apr-2015 17 40
o-Xylene		U	0.0010	0 0050	mg/Kg	1	02-Apr-2015 17 40
Toluene		U	0.00070	0 0050	mg/Kg	1	02-Apr-2015 17.40
Xylenes, Total		U	0 0017	0 010	mg/Kg	1	02-Apr-2015 17 40
Surr 1,2-Dichloroethane-d4	*83 8*			*70-128*	*%REC*	*1*	*02-Apr-2015 17 40*
Surr 4-Bromofluorobenzene	*88 9*			*73-126*	*%REC*	*1*	*02-Apr-2015 17 40*
Surr Dibromofluoromethane	*105*			*71-128*	*%REC*	*1*	*02-Apr-2015 17 40*
Surr Toluene-d8	*89 9*			*73-127*	*%REC*	*1*	*02-Apr-2015 17 40*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 02-Apr-2015		Analyst: JKP
nC6 to nC12		U	9 9	49	mg/Kg	1	03-Apr-2015 07 33
>nC12 to nC28		U	9 9	49	mg/Kg	1	03-Apr-2015 07 33
>nC28 to nC35		U	9.9	49	mg/Kg	1	03-Apr-2015 07 33
Total Petroleum Hydrocarbon		U	9.9	49	mg/Kg	1	03-Apr-2015 07 33
Surr 2-Fluorobiphenyl	*125*			*70-130*	*%REC*	*1*	*03-Apr-2015 07 33*
Surr Trifluoromethyl benzene	*109*			*70-130*	*%REC*	*1*	*03-Apr-2015 07 33*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client.	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Heame to Dallas 10" - M.P.55	WorkOrder.HS15040063
Sample ID	BMP 12-3	Lab ID:HS15040063-07
Collection Date	01-Apr-2015 14:58	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst. WLR
Benzene		U	0 00060	0 0050	mg/Kg	1	02-Apr-2015 18 08
Ethylbenzene		U	0 00090	0.0050	mg/Kg	1	02-Apr-2015 18 08
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	02-Apr-2015 18 08
o-Xylene		U	0.0010	0 0050	mg/Kg	1	02-Apr-2015 18 08
Toluene		U	0 00070	0 0050	mg/Kg	1	02-Apr-2015 18 08
Xylenes, Total		U	0 0017	0.010	mg/Kg	1	02-Apr-2015 18.08
Surr 1,2-Dichloroethane-d4	*82 0*			*70-128*	*%REC*	*1*	*02-Apr-2015 18 08*
Surr 4-Bromofluorobenzene	*92 5*			*73-126*	*%REC*	*1*	*02-Apr-2015 18 08*
Surr Dibromofluoromethane	*99 5*			*71-128*	*%REC*	*1*	*02-Apr-2015 18 08*
Surr Toluene-d8	*89 5*			*73-127*	*%REC*	*1*	*02-Apr-2015 18 08*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 02-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	03-Apr-2015 08 04
>nC12 to nC28		U	10	50	mg/Kg	1	03-Apr-2015 08 04
>nC28 to nC35		U	10	50	mg/Kg	1	03-Apr-2015 08 04
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	03-Apr-2015 08 04
Surr 2-Fluorobiphenyl	*128*			*70-130*	*%REC*	*1*	*03-Apr-2015 08 04*
Surr Trifluoromethyl benzene	*111*			*70-130*	*%REC*	*1*	*03-Apr-2015 08 04*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10" - M.P.55
WorkOrder: HS15040063

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID 92040	**Test Name :** TEXAS TPH BY TX1005			**Matrix:** Soil		
HS15040063-01	BMP 12-1	01 Apr 2015 14 07		02 Apr 2015 16 33	03 Apr 2015 03 45	1
HS15040063-02	BMP 12-1.5A	01 Apr 2015 14 14		02 Apr 2015 16 33	03 Apr 2015 05 23	1
HS15040063-03	BMP 12-1.5B	01 Apr 2015 14 12		02 Apr 2015 16 33	03 Apr 2015 05 56	1
HS15040063-04	BMP 12-2	01 Apr 2015 14 39		02 Apr 2015 16 33	03 Apr 2015 06 28	1
HS15040063-05	BMP 12-2 5B	01 Apr 2015 14 44		02 Apr 2015 16 33	03 Apr 2015 07 00	1
HS15040063-06	BMP 12-2.5A	01 Apr 2015 14 51		02 Apr 2015 16 33	03 Apr 2015 07 33	1
HS15040063-07	BMP 12-3	01 Apr 2015 14 58		02 Apr 2015 16 33	03 Apr 2015 08 04	1
Batch ID R252073	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Soil		
HS15040063-01	BMP 12-1	01 Apr 2015 14 07			02 Apr 2015 15 19	1
HS15040063-02	BMP 12-1 5A	01 Apr 2015 14 14			02 Apr 2015 15 47	1
HS15040063-03	BMP 12-1.5B	01 Apr 2015 14 12			02 Apr 2015 16 15	1
HS15040063-04	BMP 12-2	01 Apr 2015 14 39			02 Apr 2015 16 43	1
HS15040063-05	BMP 12-2.5B	01 Apr 2015 14 44			02 Apr 2015 17 11	1
HS15040063-06	BMP 12-2.5A	01 Apr 2015 14 51			02 Apr 2015 17 40	1
HS15040063-07	BMP 12-3	01 Apr 2015 14.58			02 Apr 2015 18 08	1

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10" - M.P.55
WorkOrder: HS15040063

QC BATCH REPORT

Batch ID: 92040 **Instrument: FID-13** **Method: TX1005**

MBLK Sample ID. **MBLK-92040** Units **mg/Kg** Analysis Date **03-Apr-2015 02:09**
Client ID Run ID **FID-13_252152** SeqNo **3233237** PrepDate. **02-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	U	50								
>nC12 to nC28	U	50								
>nC28 to nC35	U	50								
Total Petroleum Hydrocarbon	U	50								
Surr 2-Fluorobiphenyl	*29 73*	*0*	*25*	*0*	*119*	*70 - 130*				
Surr Trifluoromethyl benzene	*29 38*	*0*	*25*	*0*	*118*	*70 - 130*				

LCS Sample ID **LCS-92040** Units **mg/Kg** Analysis Date **03-Apr-2015 02:41**
Client ID Run ID **FID-13_252152** SeqNo **3233238** PrepDate **02-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	273 1	50	250	0	109	75 - 125				
>nC12 to nC28	289	50	250	0	116	75 - 125				
Surr 2-Fluorobiphenyl	*29 33*	*0*	*25*	*0*	*117*	*70 - 130*				
Surr Trifluoromethyl benzene	*28 65*	*0*	*25*	*0*	*115*	*70 - 130*				

LCSD Sample ID **LCSD-92040** Units **mg/Kg** Analysis Date **03-Apr-2015 03:13**
Client ID Run ID **FID-13_252152** SeqNo **3233239** PrepDate **02-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	282.7	50	250	0	113	75 - 125	273.1	3.47	20	
>nC12 to nC28	298.9	50	250	0	120	75 - 125	289	3.38	20	
Surr 2-Fluorobiphenyl	*30 14*	*0*	*25*	*0*	*121*	*70 - 130*	*29 33*	*2 75*	*20*	
Surr Trifluoromethyl benzene	*29 78*	*0*	*25*	*0*	*119*	*70 - 130*	*28 65*	*3 85*	*20*	

MS Sample ID **HS15040063-01MS** Units **mg/Kg** Analysis Date **03-Apr-2015 04:18**
Client ID **BMP 12-1** Run ID **FID-13_252152** SeqNo **3233241** PrepDate **02-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	264	50	248.3	0	106	75 - 125				
>nC12 to nC28	287.4	50	248.3	0	116	75 - 125				
Surr 2-Fluorobiphenyl	*27 37*	*0*	*24 83*	*0*	*110*	*70 - 130*				
Surr Trifluoromethyl benzene	*24 58*	*0*	*24 83*	*0*	*99 0*	*70 - 130*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10" - M.P.55
WorkOrder: HS15040063

QC BATCH REPORT

Batch ID: 92040 **Instrument: FID-13** **Method: TX1005**

MSD Sample ID **HS15040063-01MSD** Units **mg/Kg** Analysis Date **03-Apr-2015 04:51**
Client ID **BMP 12-1** Run ID **FID-13_252152** SeqNo **3233242** PrepDate **02-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	283 9	50	248 8	0	114	75 - 125	264	7 27	20	
>nC12 to nC28	298 2	50	248 8	0	120	75 - 125	287.4	3.7	20	
Surr 2-Fluorobiphenyl	*31 35*	*0*	*24 88*	*0*	*126*	*70 - 130*	*27 37*	*13 6*	*20*	
Surr Trifluoromethyl benzene	*26 32*	*0*	*24 88*	*0*	*106*	*70 - 130*	*24 58*	*6 82*	*20*	

The following samples were anayzed in this batch: HS15040063-01 HS15040063-02 HS15040063-03 HS15040063-04 HS15040063-05 HS15040063-06 HS15040063-07

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10" - M.P.55
WorkOrder: HS15040063

QC BATCH REPORT

Batch ID: R252073 **Instrument:** VOA3 **Method:** SW8260

MBLK Sample ID **VBLKS1-040215** Units **ug/Kg** Analysis Date **02-Apr-2015 09:14**
Client ID Run ID **VOA3_252073** SeqNo **3232041** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	5.0								
Ethylbenzene	U	5.0								
m,p-Xylene	U	10								
o-Xylene	U	5 0								
Toluene	U	5 0								
Xylenes, Total	U	10								
Surr 1,2-Dichloroethane-d4	*45 21*	*5 0*	*50*	*0*	*90 4*	*70 - 128*				
Surr 4-Bromofluorobenzene	*50 15*	*5 0*	*50*	*0*	*100*	*73 - 126*				
Surr Dibromofluoromethane	*56 72*	*5 0*	*50*	*0*	*113*	*71 - 128*				
Surr Toluene-d8	*45 41*	*5 0*	*50*	*0*	*90 8*	*73 - 127*				

LCS Sample ID **VLCSS1-040215** Units **ug/Kg** Analysis Date **02-Apr-2015 08:17**
Client ID Run ID **VOA3_252073** SeqNo **3232040** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	56.56	5.0	50	0	113	79 - 122				
Ethylbenzene	56 01	5 0	50	0	112	80 - 122				
m,p-Xylene	109	10	100	0	109	79 - 122				
o-Xylene	54 84	5.0	50	0	110	80 - 123				
Toluene	51 28	5 0	50	0	103	79 - 120				
Xylenes, Total	163.8	10	150	0	109	80 - 120				
Surr 1,2-Dichloroethane-d4	*47 77*	*5 0*	*50*	*0*	*95 5*	*70 - 128*				
Surr 4-Bromofluorobenzene	*52 46*	*5 0*	*50*	*0*	*105*	*73 - 126*				
Surr Dibromofluoromethane	*57 25*	*5 0*	*50*	*0*	*114*	*71 - 128*				
Surr Toluene-d8	*44 9*	*5 0*	*50*	*0*	*89 8*	*73 - 127*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10" - M.P.55
WorkOrder: HS15040063

QC BATCH REPORT

Batch ID: R252073 **Instrument:** VOA3 **Method:** SW8260

MS Sample ID **HS15040041-07MS** Units **ug/Kg** Analysis Date **02-Apr-2015 11:33**
Client ID Run ID **VOA3_252073** SeqNo **3232362** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	54 54	5.0	50	0	109	79 - 122				
Ethylbenzene	50.17	5.0	50	0	100	80 - 122				
m,p-Xylene	95 09	10	100	0	95.1	79 - 122				
o-Xylene	47.74	5 0	50	0	95.5	80 - 123				
Toluene	48 27	5.0	50	0	96.5	79 - 120				
Xylenes, Total	142 8	10	150	0	95.2	80 - 120				
Surr 1,2-Dichloroethane-d4	*45 23*	*5 0*	*50*	*0*	*90 5*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 3*	*5 0*	*50*	*0*	*98 6*	*73 - 126*				
Surr Dibromofluoromethane	*53 21*	*5 0*	*50*	*0*	*106*	*71 - 128*				
Surr Toluene-d8	*45 31*	*5 0*	*50*	*0*	*90 6*	*73 - 127*				

MSD Sample ID **HS15040041-07MSD** Units **ug/Kg** Analysis Date **02-Apr-2015 12:02**
Client ID Run ID **VOA3_252073** SeqNo **3232363** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	55 54	5.0	50	0	111	79 - 122	54 54	1.81	30	
Ethylbenzene	48 96	5.0	50	0	97.9	80 - 122	50.17	2 43	30	
m,p-Xylene	92.3	10	100	0	92.3	79 - 122	95 09	2 98	30	
o-Xylene	45 86	5.0	50	0	91.7	80 - 123	47.74	4.03	30	
Toluene	47.18	5 0	50	0	94.4	79 - 120	48.27	2.29	30	
Xylenes, Total	138 2	10	150	0	92 1	80 - 120	142.8	3 33	30	
Surr 1,2-Dichloroethane-d4	*44 94*	*5 0*	*50*	*0*	*89 9*	*70 - 128*	*45 23*	*0 642*	*30*	
Surr 4-Bromofluorobenzene	*47 96*	*5 0*	*50*	*0*	*95 9*	*73 - 126*	*49 3*	*2 76*	*30*	
Surr Dibromofluoromethane	*53 49*	*5 0*	*50*	*0*	*107*	*71 - 128*	*53 21*	*0 538*	*30*	
Surr Toluene-d8	*43 36*	*5 0*	*50*	*0*	*86 7*	*73 - 127*	*45 31*	*4 4*	*30*	

The following samples were anayzed in this batch: HS15040063-01 HS15040063-02 HS15040063-03 HS15040063-04 HS15040063-05 HS15040063-06 HS15040063-07

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10" - M.P.55
WorkOrder: **HS15040063**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/Kg	Milligrams per Kilogram

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	15-024-0	27-Mar-2016
California	2919	31-Jul-2016
Dept of Defense	L2231 Rev 3-20-2014	22-Dec-2015
Illinois	003403	09-May-2015
Kansas	E-10352 2014-2015	31-Jul-2015
Kentucky	KY 2014-2015	30-Apr-2015
Louisiana	03087 2014/2015	30-Jun-2015
North Carolina	624 - 2015	31-Dec-2015
North Dakota	R-193 2025	30-Apr-2015
Oklahoma	2014-128	31-Aug-2015
Texas	T104704231-14-14	30-Apr-2015

Client: Magellan Midstream Partners, LP
Project: Heame to Dallas 10" - M.P.55
Work Order: HS15040063

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS15040063-01	BMP 12-1	Login	4/2/2015 11 27 24 AM	PMG	VW-2
HS15040063-02	BMP 12-1.5A	Login	4/2/2015 11 30 42 AM	PMG	VW-2
HS15040063-03	BMP 12-1 5B	Login	4/2/2015 11 30 42 AM	PMG	VW-2
HS15040063-04	BMP 12-2	Login	4/2/2015 11 30 42 AM	PMG	VW-2
HS15040063-05	BMP 12-2.5B	Login	4/2/2015 11 30 42 AM	PMG	VW-2
HS15040063-06	BMP 12-2 5A	Login	4/2/2015 11 30 42 AM	PMG	VW-2
HS15040063-07	BMP 12-3	Login	4/2/2015 11 34 31 AM	PMG	VW-2

Sample Receipt Checklist

Client Name	MAGELLAN-TULSA	Date/Time Received	02-Apr-2015 09:30
Work Order	HS15040063	Received by	PMG

Checklist completed by *Paresh M. Giga* (eSignature) 2-Apr-2015 (Date)

Reviewed by _____ eSignature | Date

Matrices **Soil** Carrier name **FedEx**

	Yes	No	Not Present
Shipping container/cooler in good condition?	☑	☐	☐
Custody seals intact on shipping container/cooler?	☑	☐	☐
Custody seals intact on sample bottles?	☐	☐	☑
Chain of custody present?	☑	☐	
Chain of custody signed when relinquished and received?	☑	☐	
Chain of custody agrees with sample labels?	☑	☐	
Samples in proper container/bottle?	☐	☑	
Sample containers intact?	☑	☐	
Sufficient sample volume for indicated test?	☑	☐	
All samples received within holding time?	☑	☐	
Container/Temp Blank temperature in compliance?	☑	☐	
Temperature(s)/Thermometer(s)	5.6c/5.6c c/U	IR3	
Cooler(s)/Kit(s)	23779		
Date/Time sample(s) sent to storage	4/2/15 11 45		
Water - VOA vials have zero headspace?	☐	☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	☐	☐	N/A ☑
pH adjusted?	☐	☑	N/A ☐
pH adjusted by			

Login Notes

Client Contacted Date Contacted. Person Contacted

Contacted By 0 Regarding

Comments.

Corrective Action

ALS Environmental

Cincinnati, OH +1 513 733 5336 | Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600 | Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 121850

HS15040063

Magellan Midstream Partners, LP

Heame to Dallas 10" - M P 55

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Heame to Dallas 10" - M P 55	A	BTEX 8260
Work Order		Project Number		B	TPH TX1005
Company Name	Magellan Midstream Partners, LP	Bill To Company	Magellan Midstream Partners, LP	C	
Send Report To	Steve Moyer	Invoice Attn	Steve Moyer	D	
Address	One Williams Center	Address	One Williams Center	E	
	Mail Drop 27		Mail Drop 27	F	
City/State/Zip	Tulsa	City/State/Zip	Tulsa	G	
Phone	(918) 574-7040	Phone	(918) 574-7383	H	
Fax		Fax		I	
e-Mail Address	Steve.Moyer@magellanlp.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	BMP 12-1	4/1/2015	1407	Soil	Ice	1	X	X									
2	BMP 12-1.5A	4/1/2015	1414	Soil	Ice	1	X	X									
3	BMP 12 1.5B	4/1/2015	1412	Soil	Ice	1	X	X									
4	BMP 12 2	4/1/2015	1439	Soil	Ice	1	X	X									
5	BMP 12 2.5B	4/1/2015	1444	Soil	Ice	1	X	X									
6	BMP 12 2.5A	4/1/2015	1451	Soil	Ice	1	X	X									
7	BMP 12 3	4/1/2015	1458	Soil	Ice	1	X	X									
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Tim Clark

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☐ 10 Wk days ☐ 5 Wk Days ☐ 2 Wk Days ☒ 24 Hour ☐ Other

Results Due Date:

Notes:

Relinquished by: Tim Clark	Date: 4/1/2015	Time: 1530	Received by: CTO
Relinquished by:	Date:	Time:	Received by (Laboratory): 4.2.15 · 09:50
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Cooler ID	Cooler Temp.
23799	5.0
	+3

QC Package: (Check One Box Below)
- [X] Level 2 Std QC
- [ ] Level 3 Std QC/Row da
- [ ] Level 4 SW846/CLP
- [ ] Other/EDD
- [ ] TRRP ChkList
- [ ] TRRP Level 4

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

23TR

CUSTODY SEAL

Seal Broken By:

4/2/15

2 of 2

MPS# 0681 7804 3893 9896

Mstr# 8035 6168 4749

0215

THU - 02 APR 10:30A
PRIORITY OVERNIGHT

43 SGRA

77099
TX-US IAH

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Houston, TX 77099
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April 10, 2015

Steve Moyer
Magellan Midstream Partners, LP
One Williams Center
Mail Drop 27
Tulsa, OK 74172

Work Order: **HS15040119**

Laboratory Results for: **Hearne to Dallas 10"-M.P. 55**

Dear Steve,

ALS Environmental received 31 sample(s) on Apr 03, 2015 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Sonia West

Generated By: Dayna.Fisher
Sonia West
Project Manager

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
Work Order: HS15040119

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS15040119-01	BMP 12-4	Soil		02-Apr-2015 08 20	03-Apr-2015 09 15	☐
HS15040119-02	BMP 12-4B	Soil		02-Apr-2015 08 29	03-Apr-2015 09 15	☐
HS15040119-03	BMP 12-4A	Soil		02-Apr-2015 08 36	03-Apr-2015 09 15	☐
HS15040119-04	BMP 12-5	Soil		02-Apr-2015 08 39	03-Apr-2015 09 15	☐
HS15040119-05	BMP 11-.5B	Soil		02-Apr-2015 08 48	03-Apr-2015 09 15	☐
HS15040119-06	BMP 11-.5A	Soil		02-Apr-2015 09 02	03-Apr-2015 09 15	☐
HS15040119-07	BMP 11-1	Soil		02-Apr-2015 08 59	03-Apr-2015 09 15	☐
HS15040119-08	BMP 11-2	Soil		02-Apr-2015 09 06	03-Apr-2015 09 15	☐
HS15040119-09	BMP 11-2.5A	Soil		02-Apr-2015 09 16	03-Apr-2015 09 15	☐
HS15040119-10	BMP 11-2.5B	Soil		02-Apr-2015 09 30	03-Apr-2015 09 15	☐
HS15040119-11	BMP 11-3	Soil		02-Apr-2015 09 30	03-Apr-2015 09 15	☐
HS15040119-12	BMP 9-1	Soil		02-Apr-2015 09 39	03-Apr-2015 09 15	☐
HS15040119-13	BMP 9-1.5B	Soil		02-Apr-2015 09 54	03-Apr-2015 09 15	☐
HS15040119-14	BMP 9-1.5A	Soil		02-Apr-2015 09 52	03-Apr-2015 09 15	☐
HS15040119-15	BMP 8-1	Soil		02-Apr-2015 09 59	03-Apr-2015 09 15	☐
HS15040119-16	BMP 8-1.5A	Soil		02-Apr-2015 10 11	03-Apr-2015 09 15	☐
HS15040119-17	BMP 8-1.5B	Soil		02-Apr-2015 10 13	03-Apr-2015 09 15	☐
HS15040119-18	BMP 7-1	Soil		02-Apr-2015 10 16	03-Apr-2015 09 15	☐
HS15040119-19	BMP 7-1 5B	Soil		02-Apr-2015 10 46	03-Apr-2015 09 15	☐
HS15040119-20	BMP 7-2	Soil		02-Apr-2015 10 48	03-Apr-2015 09 15	☐
HS15040119-21	BMP 7-2.5A	Soil		02-Apr-2015 10 53	03-Apr-2015 09 15	☐
HS15040119-22	BMP 6-1	Soil		02-Apr-2015 11 07	03-Apr-2015 09 15	☐
HS15040119-23	BMP 6-1 5B	Soil		02-Apr-2015 11 09	03-Apr-2015 09 15	☐
HS15040119-24	BMP 6-1 5A	Soil		02-Apr-2015 11 11	03-Apr-2015 09 15	☐
HS15040119-25	BMP 6-2	Soil		02-Apr-2015 11 14	03-Apr-2015 09 15	☐
HS15040119-26	BMP 6-2 5B	Soil		02-Apr-2015 11 29	03-Apr-2015 09 15	☐
HS15040119-27	BMP 6-2 5A	Soil		02-Apr-2015 11 22	03-Apr-2015 09 15	☐

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
Work Order: HS15040119

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS15040119-28	BMP 5-1	Soil		02-Apr-2015 11 37	03-Apr-2015 09 15	☐
HS15040119-29	BMP 5-1.5B	Soil		02-Apr-2015 11 48	03-Apr-2015 09 15	☐
HS15040119-30	BMP 5-1.5A	Soil		02-Apr-2015 11 41	03-Apr-2015 09 15	☐
HS15040119-31	BMP 5-2	Soil		02-Apr-2015 11 57	03-Apr-2015 09 15	☐

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
Work Order: HS15040119

CASE NARRATIVE

GC Semivolatiles by Method TX1005

Batch ID: 92076

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable

Batch ID: 92075

Sample ID **BMP 12-4A (HS15040119-03)**
- The positive result for this petroleum hydrocarbon fraction is due to single component analytes eluting within the quantitation range No petroleum product is present.

GCMS Volatiles by Method SW8260

Batch ID: R252233

Sample ID **HS15040050-06**
- MS and MSD are for an unrelated sample

Batch ID: R252161

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch ID: R252150

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040119
Sample ID·	BMP 12-4	Lab ID:HS15040119-01
Collection Date.	02-Apr-2015 08 20	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst· WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	03-Apr-2015 13 16
Ethylbenzene		U	0.00090	0 0050	mg/Kg	1	03-Apr-2015 13 16
m,p-Xylene		U	0 0017	0 010	mg/Kg	1	03-Apr-2015 13 16
o-Xylene		U	0 0010	0 0050	mg/Kg	1	03-Apr-2015 13 16
Toluene		U	0.00070	0 0050	mg/Kg	1	03-Apr-2015 13 16
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 13 16
Surr· 1,2-Dichloroethane-d4	*82 8*			*70-128*	*%REC*	*1*	*03-Apr-2015 13 16*
Surr· 4-Bromofluorobenzene	*98 0*			*73-126*	*%REC*	*1*	*03-Apr-2015 13 16*
Surr· Dibromofluoromethane	*103*			*71-128*	*%REC*	*1*	*03-Apr-2015 13 16*
Surr· Toluene-d8	*89 0*			*73-127*	*%REC*	*1*	*03-Apr-2015 13 16*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 02 59
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 02 59
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 02 59
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 02 59
Surr· 2-Fluorobiphenyl	*97 9*			*70-130*	*%REC*	*1*	*06-Apr-2015 02 59*
Surr· Trifluoromethyl benzene	*95 6*			*70-130*	*%REC*	*1*	*06-Apr-2015 02 59*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040119
Sample ID	BMP 12-4B	Lab ID:HS15040119-02
Collection Date	02-Apr-2015 08:29	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst. WLR
Benzene		U	0.00060	0.0050	mg/Kg	1	03-Apr-2015 13 44
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	03-Apr-2015 13 44
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 13 44
o-Xylene		U	0 0010	0 0050	mg/Kg	1	03-Apr-2015 13 44
Toluene		U	0.00070	0 0050	mg/Kg	1	03-Apr-2015 13 44
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 13 44
Surr 1,2-Dichloroethane-d4	*83 9*			*70-128*	*%REC*	*1*	*03-Apr-2015 13 44*
Surr 4-Bromofluorobenzene	*98 8*			*73-126*	*%REC*	*1*	*03-Apr-2015 13 44*
Surr Dibromofluoromethane	*101*			*71-128*	*%REC*	*1*	*03-Apr-2015 13 44*
Surr Toluene-d8	*89 5*			*73-127*	*%REC*	*1*	*03-Apr-2015 13 44*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	10-Apr-2015 08 26
>nC12 to nC28		U	10	50	mg/Kg	1	10-Apr-2015 08 26
>nC28 to nC35		U	10	50	mg/Kg	1	10-Apr-2015 08 26
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	10-Apr-2015 08 26
Surr 2-Fluorobiphenyl	*78 7*			*70-130*	*%REC*	*1*	*10-Apr-2015 08 26*
Surr Trifluoromethyl benzene	*80 8*			*70-130*	*%REC*	*1*	*10-Apr-2015 08 26*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder HS15040119
Sample ID.	BMP 12-4A	Lab ID HS15040119-03
Collection Date:	02-Apr-2015 08 36	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene	U		0 00060	0.0050	mg/Kg	1	03-Apr-2015 14 13
Ethylbenzene	U		0 00090	0 0050	mg/Kg	1	03-Apr-2015 14 13
m,p-Xylene	U		0.0017	0.010	mg/Kg	1	03-Apr-2015 14 13
o-Xylene	U		0.0010	0.0050	mg/Kg	1	03-Apr-2015 14 13
Toluene	U		0 00070	0 0050	mg/Kg	1	03-Apr-2015 14 13
Xylenes, Total	U		0 0017	0 010	mg/Kg	1	03-Apr-2015 14 13
Surr 1,2-Dichloroethane-d4	*80 8*			*70-128*	*%REC*	*1*	*03-Apr-2015 14 13*
Surr 4-Bromofluorobenzene	*86 6*			*73-126*	*%REC*	*1*	*03-Apr-2015 14 13*
Surr Dibromofluoromethane	*101*			*71-128*	*%REC*	*1*	*03-Apr-2015 14 13*
Surr Toluene-d8	*89 2*			*73-127*	*%REC*	*1*	*03-Apr-2015 14 13*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst: JKP
nC6 to nC12	U		9 9	50	mg/Kg	1	06-Apr-2015 04 04
>nC12 to nC28	**14**	J	**9.9**	**50**	**mg/Kg**	1	06-Apr-2015 04 04
>nC28 to nC35	U		9 9	50	mg/Kg	1	06-Apr-2015 04 04
Total Petroleum Hydrocarbon	**14.0**	J	**9.9**	**50**	**mg/Kg**	1	06-Apr-2015 04 04
Surr 2-Fluorobiphenyl	*107*			*70-130*	*%REC*	*1*	*06-Apr-2015 04 04*
Surr Trifluoromethyl benzene	*100*			*70-130*	*%REC*	*1*	*06-Apr-2015 04 04*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder HS15040119
Sample ID	BMP 12-5	Lab ID:HS15040119-04
Collection Date	02-Apr-2015 08:39	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0.00060	0.0050	mg/Kg	1	03-Apr-2015 14 41
Ethylbenzene		U	0 00090	0 0050	mg/Kg	1	03-Apr-2015 14 41
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 14 41
o-Xylene		U	0.0010	0 0050	mg/Kg	1	03-Apr-2015 14 41
Toluene		U	0.00070	0 0050	mg/Kg	1	03-Apr-2015 14 41
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 14 41
Surr 1,2-Dichloroethane-d4	*79 5*			*70-128*	*%REC*	*1*	*03-Apr-2015 14 41*
Surr 4-Bromofluorobenzene	*89 0*			*73-126*	*%REC*	*1*	*03-Apr-2015 14 41*
Surr Dibromofluoromethane	*104*			*71-128*	*%REC*	*1*	*03-Apr-2015 14 41*
Surr Toluene-d8	*85 8*			*73-127*	*%REC*	*1*	*03-Apr-2015 14 41*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep.TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 04 36
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 04 36
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 04 36
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 04 36
Surr 2-Fluorobiphenyl	*98 3*			*70-130*	*%REC*	*1*	*06-Apr-2015 04 36*
Surr Trifluoromethyl benzene	*94 3*			*70-130*	*%REC*	*1*	*06-Apr-2015 04 36*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040119
Sample ID	BMP 11-.5B	Lab ID:HS15040119-05
Collection Date:	02-Apr-2015 08 48	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst: WLR
Benzene		U	0.00060	0.0050	mg/Kg	1	03-Apr-2015 15 09
Ethylbenzene		U	0 00090	0 0050	mg/Kg	1	03-Apr-2015 15 09
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 15 09
o-Xylene		U	0.0010	0 0050	mg/Kg	1	03-Apr-2015 15 09
Toluene		U	0.00070	0 0050	mg/Kg	1	03-Apr-2015 15 09
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 15 09
Surr 1,2-Dichloroethane-d4	*82 3*			*70-128*	*%REC*	*1*	*03-Apr-2015 15 09*
Surr 4-Bromofluorobenzene	*92 9*			*73-126*	*%REC*	*1*	*03-Apr-2015 15 09*
Surr Dibromofluoromethane	*101*			*71-128*	*%REC*	*1*	*03-Apr-2015 15 09*
Surr Toluene-d8	*89 0*			*73-127*	*%REC*	*1*	*03-Apr-2015 15 09*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep TX1005PR / 03-Apr-2015		Analyst: JKP
nC6 to nC12		U	9.9	50	mg/Kg	1	06-Apr-2015 05 07
>nC12 to nC28		U	9 9	50	mg/Kg	1	06-Apr-2015 05 07
>nC28 to nC35		U	9.9	50	mg/Kg	1	06-Apr-2015 05 07
Total Petroleum Hydrocarbon		U	9 9	50	mg/Kg	1	06-Apr-2015 05 07
Surr 2-Fluorobiphenyl	*85 5*			*70-130*	*%REC*	*1*	*06-Apr-2015 05 07*
Surr Trifluoromethyl benzene	*87 0*			*70-130*	*%REC*	*1*	*06-Apr-2015 05 07*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project.	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040119
Sample ID	BMP 11-.5A	Lab ID:HS15040119-06
Collection Date:	02-Apr-2015 09 02	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0.00060	0.0050	mg/Kg	1	03-Apr-2015 15.37
Ethylbenzene		U	0 00090	0 0050	mg/Kg	1	03-Apr-2015 15 37
m,p-Xylene		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 15 37
o-Xylene		U	0.0010	0 0050	mg/Kg	1	03-Apr-2015 15 37
Toluene		U	0.00070	0 0050	mg/Kg	1	03-Apr-2015 15 37
Xylenes, Total		U	0 0017	0.010	mg/Kg	1	03-Apr-2015 15 37
Surr 1,2-Dichloroethane-d4	*86 3*			*70-128*	*%REC*	*1*	*03-Apr-2015 15 37*
Surr 4-Bromofluorobenzene	*92 8*			*73-126*	*%REC*	*1*	*03-Apr-2015 15 37*
Surr Dibromofluoromethane	*103*			*71-128*	*%REC*	*1*	*03-Apr-2015 15 37*
Surr Toluene-d8	*89 1*			*73-127*	*%REC*	*1*	*03-Apr-2015 15 37*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 05 39
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 05 39
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 05 39
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 05 39
Surr 2-Fluorobiphenyl	*77 6*			*70-130*	*%REC*	*1*	*06-Apr-2015 05 39*
Surr Trifluoromethyl benzene	*81 4*			*70-130*	*%REC*	*1*	*06-Apr-2015 05 39*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040119
Sample ID:	BMP 11-1	Lab ID HS15040119-07
Collection Date:	02-Apr-2015 08:59	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst WLR
Benzene		U	0 00060	0.0050	mg/Kg	1	03-Apr-2015 16 05
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	03-Apr-2015 16 05
m,p-Xylene		U	0 0017	0.010	mg/Kg	1	03-Apr-2015 16 05
o-Xylene		U	0.0010	0.0050	mg/Kg	1	03-Apr-2015 16 05
Toluene		U	0.00070	0 0050	mg/Kg	1	03-Apr-2015 16 05
Xylenes, Total		U	0 0017	0 010	mg/Kg	1	03-Apr-2015 16 05
Surr 1,2-Dichloroethane-d4	*84 5*			*70-128*	*%REC*	*1*	*03-Apr-2015 16 05*
Surr 4-Bromofluorobenzene	*93 9*			*73-126*	*%REC*	*1*	*03-Apr-2015 16 05*
Surr Dibromofluoromethane	*104*			*71-128*	*%REC*	*1*	*03-Apr-2015 16 05*
Surr Toluene-d8	*86 7*			*73-127*	*%REC*	*1*	*03-Apr-2015 16 05*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep TX1005PR / 03-Apr-2015		Analyst: JKP
nC6 to nC12		U	9 9	50	mg/Kg	1	06-Apr-2015 06 11
>nC12 to nC28		U	9 9	50	mg/Kg	1	06-Apr-2015 06 11
>nC28 to nC35		U	9.9	50	mg/Kg	1	06-Apr-2015 06 11
Total Petroleum Hydrocarbon		U	9 9	50	mg/Kg	1	06-Apr-2015 06 11
Surr 2-Fluorobiphenyl	*79 4*			*70-130*	*%REC*	*1*	*06-Apr-2015 06 11*
Surr Trifluoromethyl benzene	*80 4*			*70-130*	*%REC*	*1*	*06-Apr-2015 06 11*

Note. See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M P. 55	WorkOrder HS15040119
Sample ID	BMP 11-2	Lab ID HS15040119-08
Collection Date	02-Apr-2015 09.06	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst. WLR
Benzene		U	0 00060	0.0050	mg/Kg	1	03-Apr-2015 16 34
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	03-Apr-2015 16 34
m,p-Xylene		U	0 0017	0 010	mg/Kg	1	03-Apr-2015 16 34
o-Xylene		U	0.0010	0 0050	mg/Kg	1	03-Apr-2015 16 34
Toluene		U	0 00070	0.0050	mg/Kg	1	03-Apr-2015 16 34
Xylenes, Total		U	0 0017	0 010	mg/Kg	1	03-Apr-2015 16 34
Surr 1,2-Dichloroethane-d4	*84 5*			*70-128*	*%REC*	*1*	*03-Apr-2015 16 34*
Surr 4-Bromofluorobenzene	*99 4*			*73-126*	*%REC*	*1*	*03-Apr-2015 16 34*
Surr Dibromofluoromethane	*102*			*71-128*	*%REC*	*1*	*03-Apr-2015 16 34*
Surr Toluene-d8	*88 7*			*73-127*	*%REC*	*1*	*03-Apr-2015 16 34*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep.TX1005PR / 03-Apr-2015		Analyst JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 08 19
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 08 19
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 08 19
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 08 19
Surr 2-Fluorobiphenyl	*83 6*			*70-130*	*%REC*	*1*	*06-Apr-2015 08 19*
Surr Trifluoromethyl benzene	*85 3*			*70-130*	*%REC*	*1*	*06-Apr-2015 08 19*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder HS15040119
Sample ID	BMP 11-2.5A	Lab ID HS15040119-09
Collection Date	02-Apr-2015 09 16	Matrix.Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst: WLR
Benzene		U	0 00060	0.0050	mg/Kg	1	03-Apr-2015 17 02
Ethylbenzene		U	0 00090	0.0050	mg/Kg	1	03-Apr-2015 17 02
m,p-Xylene		U	0 0017	0 010	mg/Kg	1	03-Apr-2015 17 02
o-Xylene		U	0.0010	0.0050	mg/Kg	1	03-Apr-2015 17 02
Toluene		U	0.00070	0 0050	mg/Kg	1	03-Apr-2015 17 02
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 17 02
Surr 1,2-Dichloroethane-d4	*87 6*			*70-128*	*%REC*	*1*	*03-Apr-2015 17 02*
Surr 4-Bromofluorobenzene	*90 2*			*73-126*	*%REC*	*1*	*03-Apr-2015 17 02*
Surr Dibromofluoromethane	*104*			*71-128*	*%REC*	*1*	*03-Apr-2015 17 02*
Surr Toluene-d8	*90 0*			*73-127*	*%REC*	*1*	*03-Apr-2015 17 02*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep TX1005PR / 03-Apr-2015		Analyst: JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 08 51
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 08 51
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 08 51
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 08 51
Surr 2-Fluorobiphenyl	*82 6*			*70-130*	*%REC*	*1*	*06-Apr-2015 08 51*
Surr Trifluoromethyl benzene	*85 4*			*70-130*	*%REC*	*1*	*06-Apr-2015 08 51*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client.	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10"-M.P. 55	WorkOrder HS15040119
Sample ID:	BMP 11-2.5B	Lab ID HS15040119-10
Collection Date:	02-Apr-2015 09 30	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	03-Apr-2015 17:30
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	03-Apr-2015 17 30
m,p-Xylene		U	0 0017	0.010	mg/Kg	1	03-Apr-2015 17 30
o-Xylene		U	0 0010	0.0050	mg/Kg	1	03-Apr-2015 17 30
Toluene		U	0.00070	0 0050	mg/Kg	1	03-Apr-2015 17 30
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 17 30
Surr 1,2-Dichloroethane-d4	*86 1*			*70-128*	*%REC*	*1*	*03-Apr-2015 17 30*
Surr 4-Bromofluorobenzene	*92 8*			*73-126*	*%REC*	*1*	*03-Apr-2015 17 30*
Surr Dibromofluoromethane	*102*			*71-128*	*%REC*	*1*	*03-Apr-2015 17 30*
Surr Toluene-d8	*87 1*			*73-127*	*%REC*	*1*	*03-Apr-2015 17 30*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 09 22
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 09 22
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 09.22
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 09 22
Surr 2-Fluorobiphenyl	*84 5*			*70-130*	*%REC*	*1*	*06-Apr-2015 09 22*
Surr Trifluoromethyl benzene	*86 7*			*70-130*	*%REC*	*1*	*06-Apr-2015 09 22*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040119
Sample ID	BMP 11-3	Lab ID HS15040119-11
Collection Date	02-Apr-2015 09:30	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst: WLR
Benzene		U	0 00060	0.0050	mg/Kg	1	03-Apr-2015 17 58
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	03-Apr-2015 17 58
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 17 58
o-Xylene		U	0 0010	0.0050	mg/Kg	1	03-Apr-2015 17 58
Toluene		U	0.00070	0 0050	mg/Kg	1	03-Apr-2015 17 58
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 17 58
Surr 1,2-Dichloroethane-d4	*81 2*			*70-128*	*%REC*	*1*	*03-Apr-2015 17 58*
Surr 4-Bromofluorobenzene	*97 5*			*73-126*	*%REC*	*1*	*03-Apr-2015 17 58*
Surr Dibromofluoromethane	*104*			*71-128*	*%REC*	*1*	*03-Apr-2015 17 58*
Surr Toluene-d8	*90 8*			*73-127*	*%REC*	*1*	*03-Apr-2015 17 58*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	9.9	50	mg/Kg	1	06-Apr-2015 09 54
>nC12 to nC28		U	9 9	50	mg/Kg	1	06-Apr-2015 09 54
>nC28 to nC35		U	9.9	50	mg/Kg	1	06-Apr-2015 09 54
Total Petroleum Hydrocarbon		U	9 9	50	mg/Kg	1	06-Apr-2015 09 54
Surr 2-Fluorobiphenyl	*84 0*			*70-130*	*%REC*	*1*	*06-Apr-2015 09 54*
Surr Trifluoromethyl benzene	*85 6*			*70-130*	*%REC*	*1*	*06-Apr-2015 09 54*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M P. 55	WorkOrder:HS15040119
Sample ID	BMP 9-1	Lab ID:HS15040119-12
Collection Date	02-Apr-2015 09:39	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0 00060	0 0050	mg/Kg	1	03-Apr-2015 18 27
Ethylbenzene		U	0 00090	0 0050	mg/Kg	1	03-Apr-2015 18 27
m,p-Xylene		U	0 0017	0 010	mg/Kg	1	03-Apr-2015 18 27
o-Xylene		U	0 0010	0.0050	mg/Kg	1	03-Apr-2015 18 27
Toluene		U	0 00070	0.0050	mg/Kg	1	03-Apr-2015 18 27
Xylenes, Total		U	0 0017	0 010	mg/Kg	1	03-Apr-2015 18 27
Surr 1,2-Dichloroethane-d4	*87 2*			*70-128*	*%REC*	*1*	*03-Apr-2015 18 27*
Surr 4-Bromofluorobenzene	*91 2*			*73-126*	*%REC*	*1*	*03-Apr-2015 18 27*
Surr Dibromofluoromethane	*103*			*71-128*	*%REC*	*1*	*03-Apr-2015 18 27*
Surr Toluene-d8	*88 4*			*73-127*	*%REC*	*1*	*03-Apr-2015 18 27*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst: JKP
nC6 to nC12		U	9 9	50	mg/Kg	1	06-Apr-2015 10 26
>nC12 to nC28		U	9 9	50	mg/Kg	1	06-Apr-2015 10 26
>nC28 to nC35		U	9.9	50	mg/Kg	1	06-Apr-2015 10 26
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	06-Apr-2015 10 26
Surr 2-Fluorobiphenyl	*90 6*			*70-130*	*%REC*	*1*	*06-Apr-2015 10 26*
Surr Trifluoromethyl benzene	*91 7*			*70-130*	*%REC*	*1*	*06-Apr-2015 10 26*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder HS15040119
Sample ID.	BMP 9-1.5B	Lab ID HS15040119-13
Collection Date·	02-Apr-2015 09:54	Matrix·Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst. WLR
Benzene		U	0 00060	0.0050	mg/Kg	1	03-Apr-2015 18 55
Ethylbenzene		U	0 00090	0.0050	mg/Kg	1	03-Apr-2015 18 55
m,p-Xylene		U	0 0017	0 010	mg/Kg	1	03-Apr-2015 18 55
o-Xylene		U	0 0010	0.0050	mg/Kg	1	03-Apr-2015 18 55
Toluene		U	0 00070	0.0050	mg/Kg	1	03-Apr-2015 18 55
Xylenes, Total		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 18 55
Surr 1,2-Dichloroethane-d4	*88 2*			*70-128*	*%REC*	*1*	*03-Apr-2015 18 55*
Surr 4-Bromofluorobenzene	*95 3*			*73-126*	*%REC*	*1*	*03-Apr-2015 18 55*
Surr Dibromofluoromethane	*106*			*71-128*	*%REC*	*1*	*03-Apr-2015 18 55*
Surr Toluene-d8	*87 8*			*73-127*	*%REC*	*1*	*03-Apr-2015 18 55*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep.TX1005PR / 03-Apr-2015		Analyst: JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 10 58
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 10 58
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 10 58
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 10 58
Surr 2-Fluorobiphenyl	*86 8*			*70-130*	*%REC*	*1*	*06-Apr-2015 10 58*
Surr Trifluoromethyl benzene	*89 1*			*70-130*	*%REC*	*1*	*06-Apr-2015 10 58*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040119
Sample ID	BMP 9-1.5A	Lab ID:HS15040119-14
Collection Date	02-Apr-2015 09:52	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst WLR
Benzene		U	0 00060	0 0050	mg/Kg	1	03-Apr-2015 13 29
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	03-Apr-2015 13 29
m,p-Xylene		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 13 29
o-Xylene		U	0.0010	0.0050	mg/Kg	1	03-Apr-2015 13 29
Toluene		U	0.00070	0.0050	mg/Kg	1	03-Apr-2015 13 29
Xylenes, Total		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 13 29
Surr 1,2-Dichloroethane-d4	*94 9*			*70-128*	*%REC*	*1*	*03-Apr-2015 13 29*
Surr 4-Bromofluorobenzene	*97 5*			*73-126*	*%REC*	*1*	*03-Apr-2015 13 29*
Surr Dibromofluoromethane	*101*			*71-128*	*%REC*	*1*	*03-Apr-2015 13 29*
Surr Toluene-d8	*101*			*73-127*	*%REC*	*1*	*03-Apr-2015 13 29*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	9.9	50	mg/Kg	1	06-Apr-2015 11.30
>nC12 to nC28		U	9.9	50	mg/Kg	1	06-Apr-2015 11·30
>nC28 to nC35		U	9.9	50	mg/Kg	1	06-Apr-2015 11 30
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	06-Apr-2015 11 30
Surr 2-Fluorobiphenyl	*92 3*			*70-130*	*%REC*	*1*	*06-Apr-2015 11 30*
Surr Trifluoromethyl benzene	*94 6*			*70-130*	*%REC*	*1*	*06-Apr-2015 11 30*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder HS15040119
Sample ID	BMP 8-1	Lab ID HS15040119-15
Collection Date:	02-Apr-2015 09 59	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst. WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	03-Apr-2015 13 52
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	03-Apr-2015 13 52
m,p-Xylene		U	0 0017	0.010	mg/Kg	1	03-Apr-2015 13 52
o-Xylene		U	0.0010	0.0050	mg/Kg	1	03-Apr-2015 13 52
Toluene		U	0.00070	0.0050	mg/Kg	1	03-Apr-2015 13 52
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 13 52
Surr 1,2-Dichloroethane-d4	*91 8*			*70-128*	*%REC*	*1*	*03-Apr-2015 13 52*
Surr 4-Bromofluorobenzene	*96 7*			*73-126*	*%REC*	*1*	*03-Apr-2015 13 52*
Surr Dibromofluoromethane	*97 4*			*71-128*	*%REC*	*1*	*03-Apr-2015 13 52*
Surr Toluene-d8	*103*			*73-127*	*%REC*	*1*	*03-Apr-2015 13 52*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep:TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 12 02
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 12 02
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 12 02
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 12 02
Surr 2-Fluorobiphenyl	*85 2*			*70-130*	*%REC*	*1*	*06-Apr-2015 12 02*
Surr Trifluoromethyl benzene	*86 5*			*70-130*	*%REC*	*1*	*06-Apr-2015 12 02*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10"-M.P. 55	WorkOrder HS15040119
Sample ID:	BMP 8-1.5A	Lab ID HS15040119-16
Collection Date	02-Apr-2015 10 11	Matrix.Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0.00060	0.0050	mg/Kg	1	03-Apr-2015 14 16
Ethylbenzene		U	0 00090	0 0050	mg/Kg	1	03-Apr-2015 14 16
m,p-Xylene		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 14 16
o-Xylene		U	0.0010	0.0050	mg/Kg	1	03-Apr-2015 14 16
Toluene		U	0.00070	0.0050	mg/Kg	1	03-Apr-2015 14 16
Xylenes, Total		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 14 16
Surr 1,2-Dichloroethane-d4	*95 0*			*70-128*	*%REC*	*1*	*03-Apr-2015 14 16*
Surr 4-Bromofluorobenzene	*97 8*			*73-126*	*%REC*	*1*	*03-Apr-2015 14 16*
Surr Dibromofluoromethane	*101*			*71-128*	*%REC*	*1*	*03-Apr-2015 14 16*
Surr Toluene-d8	*102*			*73-127*	*%REC*	*1*	*03-Apr-2015 14 16*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 12 34
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 12 34
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 12 34
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 12 34
Surr 2-Fluorobiphenyl	*90 0*			*70-130*	*%REC*	*1*	*06-Apr-2015 12 34*
Surr Trifluoromethyl benzene	*90 6*			*70-130*	*%REC*	*1*	*06-Apr-2015 12 34*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040119
Sample ID	BMP 8-1.5B	Lab ID:HS15040119-17
Collection Date:	02-Apr-2015 10:13	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	03-Apr-2015 14 39
Ethylbenzene		U	0.00090	0 0050	mg/Kg	1	03-Apr-2015 14 39
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 14 39
o-Xylene		U	0.0010	0 0050	mg/Kg	1	03-Apr-2015 14 39
Toluene		U	0 00070	0 0050	mg/Kg	1	03-Apr-2015 14.39
Xylenes, Total		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 14 39
Surr 1,2-Dichloroethane-d4	*94 7*			*70-128*	*%REC*	*1*	*03-Apr-2015 14 39*
Surr 4-Bromofluorobenzene	*97 1*			*73-126*	*%REC*	*1*	*03-Apr-2015 14 39*
Surr Dibromofluoromethane	*98 4*			*71-128*	*%REC*	*1*	*03-Apr-2015 14 39*
Surr Toluene-d8	*101*			*73-127*	*%REC*	*1*	*03-Apr-2015 14 39*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst: JKP
nC6 to nC12		U	9.9	50	mg/Kg	1	06-Apr-2015 13 06
>nC12 to nC28		U	9 9	50	mg/Kg	1	06-Apr-2015 13 06
>nC28 to nC35		U	9 9	50	mg/Kg	1	06-Apr-2015 13 06
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	06-Apr-2015 13 06
Surr 2-Fluorobiphenyl	*90 8*			*70-130*	*%REC*	*1*	*06-Apr-2015 13 06*
Surr Trifluoromethyl benzene	*92 7*			*70-130*	*%REC*	*1*	*06-Apr-2015 13 06*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client.	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040119
Sample ID·	BMP 7-1	Lab ID.HS15040119-18
Collection Date	02-Apr-2015 10:16	Matrix·Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	03-Apr-2015 15 03
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	03-Apr-2015 15 03
m,p-Xylene		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 15 03
o-Xylene		U	0.0010	0 0050	mg/Kg	1	03-Apr-2015 15 03
Toluene		U	0.00070	0.0050	mg/Kg	1	03-Apr-2015 15 03
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 15 03
Surr 1,2-Dichloroethane-d4	*91 3*			*70-128*	*%REC*	*1*	*03-Apr-2015 15 03*
Surr 4-Bromofluorobenzene	*96 4*			*73-126*	*%REC*	*1*	*03-Apr-2015 15 03*
Surr Dibromofluoromethane	*97 3*			*71-128*	*%REC*	*1*	*03-Apr-2015 15 03*
Surr Toluene-d8	*102*			*73-127*	*%REC*	*1*	*03-Apr-2015 15 03*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 13 37
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 13 37
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 13 37
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 13 37
Surr 2-Fluorobiphenyl	*89 3*			*70-130*	*%REC*	*1*	*06-Apr-2015 13 37*
Surr Trifluoromethyl benzene	*91 0*			*70-130*	*%REC*	*1*	*06-Apr-2015 13 37*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10"-M.P. 55	WorkOrder HS15040119
Sample ID	BMP 7-1.5B	Lab ID:HS15040119-19
Collection Date:	02-Apr-2015 10:46	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst. WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	03-Apr-2015 15 27
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	03-Apr-2015 15 27
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 15 27
o-Xylene		U	0 0010	0.0050	mg/Kg	1	03-Apr-2015 15 27
Toluene		U	0 00070	0.0050	mg/Kg	1	03-Apr-2015 15 27
Xylenes, Total		U	0 0017	0.010	mg/Kg	1	03-Apr-2015 15 27
Surr 1,2-Dichloroethane-d4	*90 1*			*70-128*	*%REC*	*1*	*03-Apr-2015 15 27*
Surr 4-Bromofluorobenzene	*95 2*			*73-126*	*%REC*	*1*	*03-Apr-2015 15 27*
Surr Dibromofluoromethane	*97 8*			*71-128*	*%REC*	*1*	*03-Apr-2015 15 27*
Surr Toluene-d8	*101*			*73-127*	*%REC*	*1*	*03-Apr-2015 15 27*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 14 09
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 14 09
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 14 09
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 14 09
Surr 2-Fluorobiphenyl	*88 2*			*70-130*	*%REC*	*1*	*06-Apr-2015 14 09*
Surr Trifluoromethyl benzene	*89 8*			*70-130*	*%REC*	*1*	*06-Apr-2015 14 09*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040119
Sample ID·	BMP 7-2	Lab ID:HS15040119-20
Collection Date.	02-Apr-2015 10.48	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0 00060	0.0050	mg/Kg	1	03-Apr-2015 15 50
Ethylbenzene		U	0 00090	0.0050	mg/Kg	1	03-Apr-2015 15 50
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 15 50
o-Xylene		U	0.0010	0 0050	mg/Kg	1	03-Apr-2015 15 50
Toluene		U	0 00070	0.0050	mg/Kg	1	03-Apr-2015 15 50
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 15 50
Surr· 1,2-Dichloroethane-d4	*91 1*			*70-128*	*%REC*	*1*	*03-Apr-2015 15 50*
Surr· 4-Bromofluorobenzene	*96 8*			*73-126*	*%REC*	*1*	*03-Apr-2015 15 50*
Surr Dibromofluoromethane	*97 0*			*71-128*	*%REC*	*1*	*03-Apr-2015 15 50*
Surr Toluene-d8	*102*			*73-127*	*%REC*	*1*	*03-Apr-2015 15 50*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 14 41
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 14 41
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 14 41
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 14 41
Surr 2-Fluorobiphenyl	*89 4*			*70-130*	*%REC*	*1*	*06-Apr-2015 14 41*
Surr Trifluoromethyl benzene	*91 5*			*70-130*	*%REC*	*1*	*06-Apr-2015 14 41*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project.	Hearne to Dallas 10"-M.P. 55	WorkOrder.HS15040119
Sample ID	BMP 7-2.5A	Lab ID:HS15040119-21
Collection Date	02-Apr-2015 10:53	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst: WLR
Benzene		U	0 00060	0.0050	mg/Kg	1	03-Apr-2015 16 14
Ethylbenzene		U	0 00090	0.0050	mg/Kg	1	03-Apr-2015 16 14
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 16 14
o-Xylene		U	0.0010	0.0050	mg/Kg	1	03-Apr-2015 16 14
Toluene		U	0 00070	0.0050	mg/Kg	1	03-Apr-2015 16 14
Xylenes, Total		U	0 0017	0.010	mg/Kg	1	03-Apr-2015 16 14
Surr 1,2-Dichloroethane-d4	*88 1*			*70-128*	*%REC*	*1*	*03-Apr-2015 16 14*
Surr 4-Bromofluorobenzene	*95 9*			*73-126*	*%REC*	*1*	*03-Apr-2015 16 14*
Surr Dibromofluoromethane	*94 4*			*71-128*	*%REC*	*1*	*03-Apr-2015 16 14*
Surr Toluene-d8	*101*			*73-127*	*%REC*	*1*	*03-Apr-2015 16 14*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep TX1005PR / 03-Apr-2015		Analyst: JKP
nC6 to nC12		U	9 9	50	mg/Kg	1	06-Apr-2015 06 11
>nC12 to nC28		U	9.9	50	mg/Kg	1	06-Apr-2015 06 11
>nC28 to nC35		U	9 9	50	mg/Kg	1	06-Apr-2015 06 11
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	06-Apr-2015 06 11
Surr 2-Fluorobiphenyl	*127*			*70-130*	*%REC*	*1*	*06-Apr-2015 06 11*
Surr Trifluoromethyl benzene	*112*			*70-130*	*%REC*	*1*	*06-Apr-2015 06 11*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project.	Hearne to Dallas 10"-M.P. 55	WorkOrder HS15040119
Sample ID:	BMP 6-1	Lab ID:HS15040119-22
Collection Date.	02-Apr-2015 11:07	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst· WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	03-Apr-2015 16 37
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	03-Apr-2015 16 37
m,p-Xylene		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 16 37
o-Xylene		U	0 0010	0 0050	mg/Kg	1	03-Apr-2015 16 37
Toluene		U	0.00070	0.0050	mg/Kg	1	03-Apr-2015 16 37
Xylenes, Total		U	0 0017	0 010	mg/Kg	1	03-Apr-2015 16 37
Surr 1,2-Dichloroethane-d4	*91 9*			*70-128*	*%REC*	*1*	*03-Apr-2015 16 37*
Surr 4-Bromofluorobenzene	*94 4*			*73-126*	*%REC*	*1*	*03-Apr-2015 16 37*
Surr Dibromofluoromethane	*95 3*			*71-128*	*%REC*	*1*	*03-Apr-2015 16 37*
Surr Toluene-d8	*99 4*			*73-127*	*%REC*	*1*	*03-Apr-2015 16 37*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 06 43
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 06 43
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 06 43
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 06 43
Surr· 2-Fluorobiphenyl	*127*			*70-130*	*%REC*	*1*	*06-Apr-2015 06 43*
Surr· Trifluoromethyl benzene	*111*			*70-130*	*%REC*	*1*	*06-Apr-2015 06 43*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10"-M.P. 55	WorkOrder.HS15040119
Sample ID:	BMP 6-1.5B	Lab ID HS15040119-23
Collection Date:	02-Apr-2015 11:09	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0 00060	0.0050	mg/Kg	1	03-Apr-2015 17 01
Ethylbenzene		U	0 00090	0 0050	mg/Kg	1	03-Apr-2015 17 01
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 17 01
o-Xylene		U	0.0010	0 0050	mg/Kg	1	03-Apr-2015 17.01
Toluene		U	0 00070	0 0050	mg/Kg	1	03-Apr-2015 17 01
Xylenes, Total		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 17 01
Surr 1,2-Dichloroethane-d4	*90 0*			*70-128*	*%REC*	*1*	*03-Apr-2015 17 01*
Surr 4-Bromofluorobenzene	*95 5*			*73-126*	*%REC*	*1*	*03-Apr-2015 17 01*
Surr Dibromofluoromethane	*98 6*			*71-128*	*%REC*	*1*	*03-Apr-2015 17 01*
Surr Toluene-d8	*99 3*			*73-127*	*%REC*	*1*	*03-Apr-2015 17 01*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst: JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 09 22
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 09 22
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 09 22
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 09 22
Surr 2-Fluorobiphenyl	*129*			*70-130*	*%REC*	*1*	*06-Apr-2015 09 22*
Surr Trifluoromethyl benzene	*115*			*70-130*	*%REC*	*1*	*06-Apr-2015 09 22*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040119
Sample ID	BMP 6-1.5A	Lab ID·HS15040119-24
Collection Date:	02-Apr-2015 11 11	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst WLR
Benzene		U	0 00060	0 0050	mg/Kg	1	03-Apr-2015 17 24
Ethylbenzene		U	0 00090	0.0050	mg/Kg	1	03-Apr-2015 17·24
m,p-Xylene		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 17 24
o-Xylene		U	0.0010	0 0050	mg/Kg	1	03-Apr-2015 17 24
Toluene		U	0 00070	0.0050	mg/Kg	1	03-Apr-2015 17 24
Xylenes, Total		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 17 24
Surr 1,2-Dichloroethane-d4	*94 0*			*70-128*	*%REC*	*1*	*03-Apr-2015 17 24*
Surr· 4-Bromofluorobenzene	*95 0*			*73-126*	*%REC*	*1*	*03-Apr-2015 17 24*
Surr· Dibromofluoromethane	*98 9*			*71-128*	*%REC*	*1*	*03-Apr-2015 17 24*
Surr Toluene-d8	*101*			*73-127*	*%REC*	*1*	*03-Apr-2015 17 24*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 09·54
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 09 54
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 09 54
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 09 54
Surr 2-Fluorobiphenyl	*115*			*70-130*	*%REC*	*1*	*06-Apr-2015 09 54*
Surr Trifluoromethyl benzene	*118*			*70-130*	*%REC*	*1*	*06-Apr-2015 09 54*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040119
Sample ID:	BMP 6-2	Lab ID:HS15040119-25
Collection Date:	02-Apr-2015 11.14	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst: WLR
Benzene		U	0 00060	0 0050	mg/Kg	1	03-Apr-2015 17 48
Ethylbenzene		U	0.00090	0 0050	mg/Kg	1	03-Apr-2015 17 48
m,p-Xylene		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 17 48
o-Xylene		U	0.0010	0 0050	mg/Kg	1	03-Apr-2015 17 48
Toluene		U	0.00070	0 0050	mg/Kg	1	03-Apr-2015 17 48
Xylenes, Total		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 17 48
Surr 1,2-Dichloroethane-d4	*90 4*			*70-128*	*%REC*	*1*	*03-Apr-2015 17 48*
Surr 4-Bromofluorobenzene	*93 4*			*73-126*	*%REC*	*1*	*03-Apr-2015 17 48*
Surr Dibromofluoromethane	*96 4*			*71-128*	*%REC*	*1*	*03-Apr-2015 17 48*
Surr Toluene-d8	*101*			*73-127*	*%REC*	*1*	*03-Apr-2015 17 48*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	9.9	50	mg/Kg	1	06-Apr-2015 10 26
>nC12 to nC28		U	9.9	50	mg/Kg	1	06-Apr-2015 10 26
>nC28 to nC35		U	9.9	50	mg/Kg	1	06-Apr-2015 10 26
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	06-Apr-2015 10 26
Surr 2-Fluorobiphenyl	*113*			*70-130*	*%REC*	*1*	*06-Apr-2015 10 26*
Surr Trifluoromethyl benzene	*116*			*70-130*	*%REC*	*1*	*06-Apr-2015 10 26*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040119
Sample ID.	BMP 6-2.5B	Lab ID:HS15040119-26
Collection Date:	02-Apr-2015 11:29	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0 00060	0.0050	mg/Kg	1	03-Apr-2015 18 11
Ethylbenzene		U	0 00090	0.0050	mg/Kg	1	03-Apr-2015 18 11
m,p-Xylene		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 18 11
o-Xylene		U	0.0010	0.0050	mg/Kg	1	03-Apr-2015 18 11
Toluene		U	0.00070	0.0050	mg/Kg	1	03-Apr-2015 18 11
Xylenes, Total		U	0.0017	0 010	mg/Kg	1	03-Apr-2015 18 11
Surr 1,2-Dichloroethane-d4	*89 4*			*70-128*	*%REC*	*1*	*03-Apr-2015 18 11*
Surr 4-Bromofluorobenzene	*96 0*			*73-126*	*%REC*	*1*	*03-Apr-2015 18 11*
Surr Dibromofluoromethane	*97 1*			*71-128*	*%REC*	*1*	*03-Apr-2015 18 11*
Surr Toluene-d8	*101*			*73-127*	*%REC*	*1*	*03-Apr-2015 18 11*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 10 58
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 10 58
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 10 58
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 10 58
Surr 2-Fluorobiphenyl	*118*			*70-130*	*%REC*	*1*	*06-Apr-2015 10 58*
Surr Trifluoromethyl benzene	*116*			*70-130*	*%REC*	*1*	*06-Apr-2015 10 58*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project.	Hearne to Dallas 10"-M.P. 55	WorkOrder.HS15040119
Sample ID:	BMP 6-2.5A	Lab ID.HS15040119-27
Collection Date:	02-Apr-2015 11 22	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0 00060	0.0050	mg/Kg	1	03-Apr-2015 23 21
Ethylbenzene		U	0 00090	0.0050	mg/Kg	1	03-Apr-2015 23 21
m,p-Xylene		U	0 0017	0.010	mg/Kg	1	03-Apr-2015 23 21
o-Xylene		U	0 0010	0.0050	mg/Kg	1	03-Apr-2015 23 21
Toluene		U	0 00070	0.0050	mg/Kg	1	03-Apr-2015 23 21
Xylenes, Total		U	0 0017	0.010	mg/Kg	1	03-Apr-2015 23 21
Surr 1,2-Dichloroethane-d4	*87 3*			*70-128*	*%REC*	*1*	*03-Apr-2015 23 21*
Surr 4-Bromofluorobenzene	*94 0*			*73-126*	*%REC*	*1*	*03-Apr-2015 23 21*
Surr Dibromofluoromethane	*95 1*			*71-128*	*%REC*	*1*	*03-Apr-2015 23 21*
Surr Toluene-d8	*103*			*73-127*	*%REC*	*1*	*03-Apr-2015 23 21*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst: JKP
nC6 to nC12		U	9 9	50	mg/Kg	1	06-Apr-2015 11 30
>nC12 to nC28		U	9 9	50	mg/Kg	1	06-Apr-2015 11 30
>nC28 to nC35		U	9.9	50	mg/Kg	1	06-Apr-2015 11 30
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	06-Apr-2015 11 30
Surr 2-Fluorobiphenyl	*117*			*70-130*	*%REC*	*1*	*06-Apr-2015 11 30*
Surr Trifluoromethyl benzene	*119*			*70-130*	*%REC*	*1*	*06-Apr-2015 11 30*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client.	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder HS15040119
Sample ID:	BMP 5-1	Lab ID HS15040119-28
Collection Date:	02-Apr-2015 11.37	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst WLR
Benzene		U	0.00060	0.0050	mg/Kg	1	03-Apr-2015 23 45
Ethylbenzene		U	0.00090	0 0050	mg/Kg	1	03-Apr-2015 23 45
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	03-Apr-2015 23 45
o-Xylene		U	0.0010	0 0050	mg/Kg	1	03-Apr-2015 23 45
Toluene		U	0 00070	0 0050	mg/Kg	1	03-Apr-2015 23 45
Xylenes, Total		U	0 0017	0.010	mg/Kg	1	03-Apr-2015 23 45
Surr 1,2-Dichloroethane-d4	*90 0*			*70-128*	*%REC*	*1*	*03-Apr-2015 23 45*
Surr 4-Bromofluorobenzene	*96 1*			*73-126*	*%REC*	*1*	*03-Apr-2015 23 45*
Surr Dibromofluoromethane	*97 5*			*71-128*	*%REC*	*1*	*03-Apr-2015 23 45*
Surr Toluene-d8	*101*			*73-127*	*%REC*	*1*	*03-Apr-2015 23 45*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 12 02
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 12 02
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 12 02
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 12 02
Surr 2-Fluorobiphenyl	*121*			*70-130*	*%REC*	*1*	*06-Apr-2015 12 02*
Surr Trifluoromethyl benzene	*119*			*70-130*	*%REC*	*1*	*06-Apr-2015 12 02*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10"-M.P. 55	WorkOrder:HS15040119
Sample ID:	BMP 5-1.5B	Lab ID:HS15040119-29
Collection Date:	02-Apr-2015 11:48	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst. WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	04-Apr-2015 00 08
Ethylbenzene		U	0 00090	0 0050	mg/Kg	1	04-Apr-2015 00 08
m,p-Xylene		U	0 0017	0.010	mg/Kg	1	04-Apr-2015 00 08
o-Xylene		U	0 0010	0 0050	mg/Kg	1	04-Apr-2015 00.08
Toluene		U	0 00070	0 0050	mg/Kg	1	04-Apr-2015 00 08
Xylenes, Total		U	0 0017	0.010	mg/Kg	1	04-Apr-2015 00 08
Surr 1,2-Dichloroethane-d4	*98 8*			*70-128*	*%REC*	*1*	*04-Apr-2015 00 08*
Surr 4-Bromofluorobenzene	*97 9*			*73-126*	*%REC*	*1*	*04-Apr-2015 00 08*
Surr Dibromofluoromethane	*102*			*71-128*	*%REC*	*1*	*04-Apr-2015 00 08*
Surr Toluene-d8	*101*			*73-127*	*%REC*	*1*	*04-Apr-2015 00 08*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst. JKP
nC6 to nC12		U	9 9	50	mg/Kg	1	06-Apr-2015 12 34
>nC12 to nC28		U	9 9	50	mg/Kg	1	06-Apr-2015 12 34
>nC28 to nC35		U	9.9	50	mg/Kg	1	06-Apr-2015 12 34
Total Petroleum Hydrocarbon		U	9 9	50	mg/Kg	1	06-Apr-2015 12 34
Surr 2-Fluorobiphenyl	*127*			*70-130*	*%REC*	*1*	*06-Apr-2015 12 34*
Surr Trifluoromethyl benzene	*126*			*70-130*	*%REC*	*1*	*06-Apr-2015 12 34*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10"-M.P. 55	WorkOrder HS15040119
Sample ID:	BMP 5-1.5A	Lab ID.HS15040119-30
Collection Date.	02-Apr-2015 11:41	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	04-Apr-2015 00 31
Ethylbenzene		U	0 00090	0 0050	mg/Kg	1	04-Apr-2015 00 31
m,p-Xylene		U	0 0017	0 010	mg/Kg	1	04-Apr-2015 00 31
o-Xylene		U	0.0010	0 0050	mg/Kg	1	04-Apr-2015 00 31
Toluene		U	0 00070	0.0050	mg/Kg	1	04-Apr-2015 00 31
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	04-Apr-2015 00 31
Surr 1,2-Dichloroethane-d4	*89 7*			*70-128*	*%REC*	*1*	*04-Apr-2015 00 31*
Surr 4-Bromofluorobenzene	*95 1*			*73-126*	*%REC*	*1*	*04-Apr-2015 00 31*
Surr Dibromofluoromethane	*97 7*			*71-128*	*%REC*	*1*	*04-Apr-2015 00 31*
Surr Toluene-d8	*102*			*73-127*	*%REC*	*1*	*04-Apr-2015 00 31*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep TX1005PR / 03-Apr-2015		Analyst JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 13 06
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 13 06
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 13 06
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 13 06
Surr 2-Fluorobiphenyl	*118*			*70-130*	*%REC*	*1*	*06-Apr-2015 13 06*
Surr Trifluoromethyl benzene	*117*			*70-130*	*%REC*	*1*	*06-Apr-2015 13 06*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10"-M.P. 55	WorkOrder.HS15040119
Sample ID.	BMP 5-2	Lab ID·HS15040119-31
Collection Date.	02-Apr-2015 11:57	Matrix Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	04-Apr-2015 00 55
Ethylbenzene		U	0.00090	0 0050	mg/Kg	1	04-Apr-2015 00 55
m,p-Xylene		U	0 0017	0 010	mg/Kg	1	04-Apr-2015 00·55
o-Xylene		U	0.0010	0 0050	mg/Kg	1	04-Apr-2015 00 55
Toluene		U	0.00070	0 0050	mg/Kg	1	04-Apr-2015 00 55
Xylenes, Total		U	0 0017	0.010	mg/Kg	1	04-Apr-2015 00 55
Surr 1,2-Dichloroethane-d4	*93 5*			*70-128*	*%REC*	*1*	*04-Apr-2015 00 55*
Surr 4-Bromofluorobenzene	*97 4*			*73-126*	*%REC*	*1*	*04-Apr-2015 00 55*
Surr Dibromofluoromethane	*99 2*			*71-128*	*%REC*	*1*	*04-Apr-2015 00 55*
Surr Toluene-d8	*102*			*73-127*	*%REC*	*1*	*04-Apr-2015 00 55*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 03-Apr-2015		Analyst: JKP
nC6 to nC12		U	10	50	mg/Kg	1	06-Apr-2015 13 37
>nC12 to nC28		U	10	50	mg/Kg	1	06-Apr-2015 13 37
>nC28 to nC35		U	10	50	mg/Kg	1	06-Apr-2015 13 37
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	06-Apr-2015 13 37
Surr 2-Fluorobiphenyl	*125*			*70-130*	*%REC*	*1*	*06-Apr-2015 13 37*
Surr Trifluoromethyl benzene	*126*			*70-130*	*%REC*	*1*	*06-Apr-2015 13 37*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040119

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID 92075	**Test Name :** TEXAS TPH BY TX1005			**Matrix:** Soil		
HS15040119-01	BMP 12-4	02 Apr 2015 08 20		03 Apr 2015 15 21	06 Apr 2015 02 59	1
HS15040119-02	BMP 12-4B	02 Apr 2015 08 29		03 Apr 2015 15 21	10 Apr 2015 08 26	1
HS15040119-03	BMP 12-4A	02 Apr 2015 08 36		03 Apr 2015 15 21	06 Apr 2015 04 04	1
HS15040119-04	BMP 12-5	02 Apr 2015 08 39		03 Apr 2015 15 21	06 Apr 2015 04 36	1
HS15040119-05	BMP 11-.5B	02 Apr 2015 08 48		03 Apr 2015 15 21	06 Apr 2015 05 07	1
HS15040119-06	BMP 11-.5A	02 Apr 2015 09 02		03 Apr 2015 15 21	06 Apr 2015 05 39	1
HS15040119-07	BMP 11-1	02 Apr 2015 08 59		03 Apr 2015 15 21	06 Apr 2015 06 11	1
HS15040119-08	BMP 11-2	02 Apr 2015 09 06		03 Apr 2015 15 21	06 Apr 2015 08 19	1
HS15040119-09	BMP 11-2.5A	02 Apr 2015 09 16		03 Apr 2015 15 21	06 Apr 2015 08 51	1
HS15040119-10	BMP 11-2 5B	02 Apr 2015 09 30		03 Apr 2015 15 21	06 Apr 2015 09 22	1
HS15040119-11	BMP 11-3	02 Apr 2015 09 30		03 Apr 2015 15 21	06 Apr 2015 09 54	1
HS15040119-12	BMP 9-1	02 Apr 2015 09 39		03 Apr 2015 15 21	06 Apr 2015 10 26	1
HS15040119-13	BMP 9-1.5B	02 Apr 2015 09 54		03 Apr 2015 15 21	06 Apr 2015 10 58	1
HS15040119-14	BMP 9-1 5A	02 Apr 2015 09 52		03 Apr 2015 15 21	06 Apr 2015 11 30	1
HS15040119-15	BMP 8-1	02 Apr 2015 09 59		03 Apr 2015 15 21	06 Apr 2015 12 02	1
HS15040119-16	BMP 8-1.5A	02 Apr 2015 10 11		03 Apr 2015 15 21	06 Apr 2015 12 34	1
HS15040119-17	BMP 8-1.5B	02 Apr 2015 10 13		03 Apr 2015 15 21	06 Apr 2015 13 06	1
HS15040119-18	BMP 7-1	02 Apr 2015 10 16		03 Apr 2015 15 21	06 Apr 2015 13 37	1
HS15040119-19	BMP 7-1.5B	02 Apr 2015 10 46		03 Apr 2015 15 21	06 Apr 2015 14 09	1
HS15040119-20	BMP 7-2	02 Apr 2015 10 48		03 Apr 2015 15 21	06 Apr 2015 14 41	1
Batch ID 92076	**Test Name :** TEXAS TPH BY TX1005			**Matrix:** Soil		
HS15040119-21	BMP 7-2.5A	02 Apr 2015 10 53		03 Apr 2015 15 26	06 Apr 2015 06 11	1
HS15040119-22	BMP 6-1	02 Apr 2015 11 07		03 Apr 2015 15 26	06 Apr 2015 06 43	1
HS15040119-23	BMP 6-1 5B	02 Apr 2015 11 09		03 Apr 2015 15 26	06 Apr 2015 09 22	1
HS15040119-24	BMP 6-1.5A	02 Apr 2015 11 11		03 Apr 2015 15 26	06 Apr 2015 09 54	1
HS15040119-25	BMP 6-2	02 Apr 2015 11 14		03 Apr 2015 15 26	06 Apr 2015 10 26	1
HS15040119-26	BMP 6-2.5B	02 Apr 2015 11 29		03 Apr 2015 15 26	06 Apr 2015 10 58	1
HS15040119-27	BMP 6-2 5A	02 Apr 2015 11.22		03 Apr 2015 15 26	06 Apr 2015 11 30	1
HS15040119-28	BMP 5-1	02 Apr 2015 11 37		03 Apr 2015 15 26	06 Apr 2015 12 02	1
HS15040119-29	BMP 5-1 5B	02 Apr 2015 11 48		03 Apr 2015 15 26	06 Apr 2015 12 34	1
HS15040119-30	BMP 5-1 5A	02 Apr 2015 11 41		03 Apr 2015 15 26	06 Apr 2015 13 06	1
HS15040119-31	BMP 5-2	02 Apr 2015 11 57		03 Apr 2015 15 26	06 Apr 2015 13 37	1

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040119

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID R252150	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Soil		
HS15040119-01	BMP 12-4	02 Apr 2015 08 20			03 Apr 2015 13 16	1
HS15040119-02	BMP 12-4B	02 Apr 2015 08 29			03 Apr 2015 13 44	1
HS15040119-03	BMP 12-4A	02 Apr 2015 08 36			03 Apr 2015 14 13	1
HS15040119-04	BMP 12-5	02 Apr 2015 08 39			03 Apr 2015 14 41	1
HS15040119-05	BMP 11- 5B	02 Apr 2015 08 48			03 Apr 2015 15 09	1
HS15040119-06	BMP 11-.5A	02 Apr 2015 09 02			03 Apr 2015 15 37	1
HS15040119-07	BMP 11-1	02 Apr 2015 08 59			03 Apr 2015 16 05	1
HS15040119-08	BMP 11-2	02 Apr 2015 09 06			03 Apr 2015 16 34	1
HS15040119-09	BMP 11-2.5A	02 Apr 2015 09 16			03 Apr 2015 17 02	1
HS15040119-10	BMP 11-2 5B	02 Apr 2015 09 30			03 Apr 2015 17 30	1
HS15040119-11	BMP 11-3	02 Apr 2015 09 30			03 Apr 2015 17 58	1
HS15040119-12	BMP 9-1	02 Apr 2015 09 39			03 Apr 2015 18 27	1
HS15040119-13	BMP 9-1.5B	02 Apr 2015 09 54			03 Apr 2015 18 55	1
Batch ID R252161	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Soil		
HS15040119-14	BMP 9-1 5A	02 Apr 2015 09 52			03 Apr 2015 13 29	1
HS15040119-15	BMP 8-1	02 Apr 2015 09 59			03 Apr 2015 13 52	1
HS15040119-16	BMP 8-1 5A	02 Apr 2015 10 11			03 Apr 2015 14 16	1
HS15040119-17	BMP 8-1.5B	02 Apr 2015 10 13			03 Apr 2015 14 39	1
HS15040119-18	BMP 7-1	02 Apr 2015 10 16			03 Apr 2015 15 03	1
HS15040119-19	BMP 7-1.5B	02 Apr 2015 10 46			03 Apr 2015 15 27	1
HS15040119-20	BMP 7-2	02 Apr 2015 10 48			03 Apr 2015 15 50	1
HS15040119-21	BMP 7-2.5A	02 Apr 2015 10 53			03 Apr 2015 16 14	1
HS15040119-22	BMP 6-1	02 Apr 2015 11 07			03 Apr 2015 16 37	1
HS15040119-23	BMP 6-1.5B	02 Apr 2015 11 09			03 Apr 2015 17 01	1
HS15040119-24	BMP 6-1 5A	02 Apr 2015 11 11			03 Apr 2015 17 24	1
HS15040119-25	BMP 6-2	02 Apr 2015 11 14			03 Apr 2015 17 48	1
HS15040119-26	BMP 6-2 5B	02 Apr 2015 11 29			03 Apr 2015 18 11	1
Batch ID R252233	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Soil		
HS15040119-27	BMP 6-2.5A	02 Apr 2015 11 22			03 Apr 2015 23 21	1
HS15040119-28	BMP 5-1	02 Apr 2015 11 37			03 Apr 2015 23 45	1
HS15040119-29	BMP 5-1.5B	02 Apr 2015 11 48			04 Apr 2015 00 08	1
HS15040119-30	BMP 5-1.5A	02 Apr 2015 11 41			04 Apr 2015 00 31	1
HS15040119-31	BMP 5-2	02 Apr 2015 11 57			04 Apr 2015 00 55	1

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040119

QC BATCH REPORT

Batch ID: 92075 **Instrument: FID-12** **Method: TX1005**

MBLK Sample ID **MBLK-92075** Units **mg/Kg** Analysis Date **06-Apr-2015 01:24**
Client ID Run ID **FID-12_252475** SeqNo **3240060** PrepDate **03-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	U	50								
>nC12 to nC28	U	50								
>nC28 to nC35	U	50								
Total Petroleum Hydrocarbon	U	50								
Surr 2-Fluorobiphenyl	*25 79*	*0*	*25*	*0*	*103*	*70 - 130*				
Surr Trifluoromethyl benzene	*24 96*	*0*	*25*	*0*	*99 8*	*70 - 130*				

LCS Sample ID **LCS-92075** Units **mg/Kg** Analysis Date **06-Apr-2015 01:56**
Client ID Run ID **FID-12_252475** SeqNo **3240061** PrepDate **03-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	270 7	50	250	0	108	75 - 125				
>nC12 to nC28	269.2	50	250	0	108	75 - 125				
Surr 2-Fluorobiphenyl	*29 05*	*0*	*25*	*0*	*116*	*70 - 130*				
Surr Trifluoromethyl benzene	*23 97*	*0*	*25*	*0*	*95 9*	*70 - 130*				

LCSD Sample ID. **LCSD-92075** Units **mg/Kg** Analysis Date **06-Apr-2015 02:28**
Client ID Run ID **FID-12_252475** SeqNo **3240062** PrepDate **03-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	257 7	50	250	0	103	75 - 125	270.7	4 94	20	
>nC12 to nC28	275.3	50	250	0	110	75 - 125	269.2	2.24	20	
Surr 2-Fluorobiphenyl	*28 51*	*0*	*25*	*0*	*114*	*70 - 130*	*29 05*	*1 89*	*20*	
Surr Trifluoromethyl benzene	*24 65*	*0*	*25*	*0*	*98 6*	*70 - 130*	*23 97*	*2 82*	*20*	

MS Sample ID· **HS15040119-20MS** Units **mg/Kg** Analysis Date **06-Apr-2015 15:13**
Client ID **BMP 7-2** Run ID **FID-12_252475** SeqNo **3240082** PrepDate **03-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	230 4	50	249.3	0	92.5	75 - 125				
>nC12 to nC28	300.6	50	249 3	0	121	75 - 125				
Surr 2-Fluorobiphenyl	*25 55*	*0*	*24 93*	*0*	*103*	*70 - 130*				
Surr Trifluoromethyl benzene	*21 93*	*0*	*24 93*	*0*	*88 0*	*70 - 130*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040119

QC BATCH REPORT

Batch ID: 92075 **Instrument:** FID-12 **Method:** TX1005

MSD Sample ID **HS15040119-20MSD** Units **mg/Kg** Analysis Date **06-Apr-2015 15:45**
Client ID **BMP 7-2** Run ID **FID-12_252475** SeqNo **3240083** PrepDate **03-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	230 7	50	249	0	92.7	75 - 125	230.4	0 123	20	
>nC12 to nC28	258 3	50	249	0	104	75 - 125	300 6	15 2	20	
Surr 2-Fluorobiphenyl	*25 7*	*0*	*24 9*	*0*	*103*	*70 - 130*	*25 55*	*0 596*	*20*	
Surr Trifluoromethyl benzene	*22 27*	*0*	*24 9*	*0*	*89 4*	*70 - 130*	*21 93*	*1 51*	*20*	

The following samples were anayzed in this batch:

HS15040119-01	HS15040119-02	HS15040119-03	HS15040119-04
HS15040119-05	HS15040119-06	HS15040119-07	HS15040119-08
HS15040119-09	HS15040119-10	HS15040119-11	HS15040119-12
HS15040119-13	HS15040119-14	HS15040119-15	HS15040119-16
HS15040119-17	HS15040119-18	HS15040119-19	HS15040119-20

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040119

QC BATCH REPORT

Batch ID: 92076 **Instrument: FID-13** **Method: TX1005**

MBLK Sample ID **MBLK-92076** Units **mg/Kg** Analysis Date. **06-Apr-2015 04:36**
Client ID Run ID **FID-13_252552** SeqNo **3241329** PrepDate **03-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	U	50								
>nC12 to nC28	U	50								
>nC28 to nC35	U	50								
Total Petroleum Hydrocarbon	U	50								
Surr 2-Fluorobiphenyl	*25 47*	*0*	*25*	*0*	*102*	*70 - 130*				
Surr Trifluoromethyl benzene	*28 98*	*0*	*25*	*0*	*116*	*70 - 130*				

LCS Sample ID **LCS-92076** Units. **mg/Kg** Analysis Date **06-Apr-2015 05:07**
Client ID Run ID **FID-13_252552** SeqNo **3241330** PrepDate **03-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	286.2	50	250	0	114	75 - 125				
>nC12 to nC28	298.5	50	250	0	119	75 - 125				
Surr 2-Fluorobiphenyl	*30 09*	*0*	*25*	*0*	*120*	*70 - 130*				
Surr Trifluoromethyl benzene	*27 43*	*0*	*25*	*0*	*110*	*70 - 130*				

LCSD Sample ID **LCSD-92076** Units **mg/Kg** Analysis Date **06-Apr-2015 05:39**
Client ID Run ID **FID-13_252552** SeqNo **3241331** PrepDate **03-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	238	50	250	0	95.2	75 - 125	286 2	18.4	20	
>nC12 to nC28	271.4	50	250	0	109	75 - 125	298 5	9 48	20	
Surr 2-Fluorobiphenyl	*29 51*	*0*	*25*	*0*	*118*	*70 - 130*	*30 09*	*1 93*	*20*	
Surr Trifluoromethyl benzene	*22 58*	*0*	*25*	*0*	*90 3*	*70 - 130*	*27 43*	*19 4*	*20*	

MS Sample ID **HS15040119-31MS** Units **mg/Kg** Analysis Date· **06-Apr-2015 14:09**
Client ID **BMP 5-2** Run ID **FID-13_252552** SeqNo **3241343** PrepDate **03-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	287.2	50	249.8	0	115	75 - 125				
>nC12 to nC28	272 4	50	249.8	0	109	75 - 125				
Surr 2-Fluorobiphenyl	*29 85*	*0*	*24 98*	*0*	*120*	*70 - 130*				
Surr Trifluoromethyl benzene	*28 2*	*0*	*24 98*	*0*	*113*	*70 - 130*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040119

QC BATCH REPORT

Batch ID: 92076 **Instrument:** FID-13 **Method:** TX1005

MSD Sample ID **HS15040119-31MSD** Units **mg/Kg** Analysis Date **06-Apr-2015 14:41**
Client ID **BMP 5-2** Run ID **FID-13_252552** SeqNo **3241344** PrepDate **03-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	296 4	50	248.3	0	119	75 - 125	287.2	3 14	20	
>nC12 to nC28	294.7	50	248 3	0	119	75 - 125	272 4	2 82	20	
Surr 2-Fluorobiphenyl	*30 59*	*0*	*24 83*	*0*	*123*	*70 - 130*	*29 85*	*18 5*	*20*	
Surr Trifluoromethyl benzene	*29 8*	*0*	*24 83*	*0*	*120*	*70 - 130*	*28 2*	*5 52*	*20*	

The following samples were anayzed in this batch:

HS15040119-21	HS15040119-22	HS15040119-23	HS15040119-24
HS15040119-25	HS15040119-26	HS15040119-27	HS15040119-28
HS15040119-29	HS15040119-30	HS15040119-31	

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040119

QC BATCH REPORT

Batch ID: R252150 **Instrument:** VOA3 **Method:** SW8260

MBLK Sample ID **VBLKS1-040315** Units **ug/Kg** Analysis Date **03-Apr-2015 09:01**
Client ID Run ID **VOA3_252150** SeqNo **3233221** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	5.0								
Ethylbenzene	U	5 0								
m,p-Xylene	U	10								
o-Xylene	U	5.0								
Toluene	U	5 0								
Xylenes, Total	U	10								
Surr 1,2-Dichloroethane-d4	*44 25*	*5 0*	*50*	*0*	*88 5*	*70 - 128*				
Surr 4-Bromofluorobenzene	*47 83*	*5 0*	*50*	*0*	*95 7*	*73 - 126*				
Surr Dibromofluoromethane	*52 3*	*5 0*	*50*	*0*	*105*	*71 - 128*				
Surr Toluene-d8	*42 68*	*5 0*	*50*	*0*	*85 4*	*73 - 127*				

LCS Sample ID **VLCSS1-040315** Units **ug/Kg** Analysis Date **03-Apr-2015 08:05**
Client ID Run ID **VOA3_252150** SeqNo **3233220** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	51.97	5.0	50	0	104	79 - 122				
Ethylbenzene	50 83	5.0	50	0	102	80 - 122				
m,p-Xylene	98.47	10	100	0	98.5	79 - 122				
o-Xylene	49.95	5 0	50	0	99.9	80 - 123				
Toluene	48.01	5 0	50	0	96.0	79 - 120				
Xylenes, Total	148.4	10	150	0	98.9	80 - 120				
Surr 1,2-Dichloroethane-d4	*47 59*	*5 0*	*50*	*0*	*95 2*	*70 - 128*				
Surr 4-Bromofluorobenzene	*51 25*	*5 0*	*50*	*0*	*103*	*73 - 126*				
Surr Dibromofluoromethane	*54 28*	*5 0*	*50*	*0*	*109*	*71 - 128*				
Surr Toluene-d8	*43 85*	*5 0*	*50*	*0*	*87 7*	*73 - 127*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040119

QC BATCH REPORT

Batch ID: R252150 **Instrument:** VOA3 **Method:** SW8260

MS Sample ID HS15040050-01MS Units ug/Kg Analysis Date 03-Apr-2015 11:23
Client ID Run ID VOA3_252150 SeqNo 3233568 PrepDate DF 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	58 38	5.0	50	0	117	79 - 122				
Ethylbenzene	56 15	5.0	50	0	112	80 - 122				
m,p-Xylene	108 2	10	100	0	108	79 - 122				
o-Xylene	53 83	5.0	50	0	108	80 - 123				
Toluene	52 82	5 0	50	0	106	79 - 120				
Xylenes, Total	162	10	150	0	108	80 - 120				
Surr 1,2-Dichloroethane-d4	*44 46*	*5 0*	*50*	*0*	*88 9*	*70 - 128*				
Surr 4-Bromofluorobenzene	*48 72*	*5 0*	*50*	*0*	*97 4*	*73 - 126*				
Surr Dibromofluoromethane	*51 17*	*5 0*	*50*	*0*	*102*	*71 - 128*				
Surr Toluene-d8	*44 35*	*5 0*	*50*	*0*	*88 7*	*73 - 127*				

MSD Sample ID HS15040050-01MSD Units ug/Kg Analysis Date 03-Apr-2015 11:51
Client ID Run ID VOA3_252150 SeqNo 3233569 PrepDate: DF 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	51 72	5 0	50	0	103	79 - 122	58.38	12 1	30	
Ethylbenzene	49.52	5 0	50	0	99.0	80 - 122	56.15	12 5	30	
m,p-Xylene	95.41	10	100	0	95.4	79 - 122	108.2	12.6	30	
o-Xylene	47 58	5 0	50	0	95.2	80 - 123	53.83	12 3	30	
Toluene	46 81	5 0	50	0	93.6	79 - 120	52 82	12 1	30	
Xylenes, Total	143	10	150	0	95 3	80 - 120	162	12.5	30	
Surr 1,2-Dichloroethane-d4	*44 23*	*5 0*	*50*	*0*	*88 5*	*70 - 128*	*44 46*	*0 512*	*30*	
Surr 4-Bromofluorobenzene	*48 48*	*5 0*	*50*	*0*	*97 0*	*73 - 126*	*48 72*	*0 495*	*30*	
Surr Dibromofluoromethane	*51 97*	*5 0*	*50*	*0*	*104*	*71 - 128*	*51 17*	*1 55*	*30*	
Surr Toluene-d8	*43 66*	*5 0*	*50*	*0*	*87 3*	*73 - 127*	*44 35*	*1 56*	*30*	

The following samples were anayzed in this batch:

HS15040119-01	HS15040119-02	HS15040119-03	HS15040119-04
HS15040119-05	HS15040119-06	HS15040119-07	HS15040119-08
HS15040119-09	HS15040119-10	HS15040119-11	HS15040119-12
HS15040119-13			

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040119

QC BATCH REPORT

Batch ID: R252161 **Instrument:** VOA5 **Method:** SW8260

MBLK Sample ID **VBLKS1-040315** Units **ug/Kg** Analysis Date **03-Apr-2015 09:10**
Client ID Run ID **VOA5_252161** SeqNo **3233337** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	5.0								
Ethylbenzene	U	5 0								
m,p-Xylene	U	10								
o-Xylene	U	5.0								
Toluene	U	5.0								
Xylenes, Total	U	10								
Surr 1,2-Dichloroethane-d4	*49 22*	*5 0*	*50*	*0*	*98 4*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 41*	*5 0*	*50*	*0*	*98 8*	*73 - 126*				
Surr Dibromofluoromethane	*50 34*	*5 0*	*50*	*0*	*101*	*71 - 128*				
Surr Toluene-d8	*50 55*	*5 0*	*50*	*0*	*101*	*73 - 127*				

LCS Sample ID **VLCSS1-040315** Units **ug/Kg** Analysis Date **03-Apr-2015 08:23**
Client ID Run ID **VOA5_252161** SeqNo **3233336** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	50.14	5.0	50	0	100	79 - 122				
Ethylbenzene	50.51	5.0	50	0	101	80 - 122				
m,p-Xylene	99.56	10	100	0	99.6	79 - 122				
o-Xylene	49.34	5.0	50	0	98 7	80 - 123				
Toluene	48.58	5.0	50	0	97 2	79 - 120				
Xylenes, Total	148.9	10	150	0	99.3	80 - 120				
Surr 1,2-Dichloroethane-d4	*50 88*	*5 0*	*50*	*0*	*102*	*70 - 128*				
Surr 4-Bromofluorobenzene	*50 18*	*5 0*	*50*	*0*	*100*	*73 - 126*				
Surr Dibromofluoromethane	*50 91*	*5 0*	*50*	*0*	*102*	*71 - 128*				
Surr Toluene-d8	*49 57*	*5 0*	*50*	*0*	*99 1*	*73 - 127*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040119

QC BATCH REPORT

Batch ID: R252161 **Instrument:** VOA5 **Method:** SW8260

MS Sample ID HS15040066-02MS Units ug/Kg Analysis Date 03-Apr-2015 11:55
Client ID Run ID VOA5_252161 SeqNo 3233566 PrepDate DF 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	50 57	5.0	50	0	101	79 - 122				
Ethylbenzene	50 06	5 0	50	0	100	80 - 122				
m,p-Xylene	99.26	10	100	0	99 3	79 - 122				
o-Xylene	48.63	5 0	50	0	97.3	80 - 123				
Toluene	48.45	5.0	50	0	96 9	79 - 120				
Xylenes, Total	147.9	10	150	0	98 6	80 - 120				
Surr 1,2-Dichloroethane-d4	*50 38*	*5 0*	*50*	*0*	*101*	*70 - 128*				
Surr 4-Bromofluorobenzene	*50 07*	*5 0*	*50*	*0*	*100*	*73 - 126*				
Surr Dibromofluoromethane	*50 38*	*5 0*	*50*	*0*	*101*	*71 - 128*				
Surr Toluene-d8	*50 08*	*5 0*	*50*	*0*	*100*	*73 - 127*				

MSD Sample ID HS15040066-02MSD Units ug/Kg Analysis Date 03-Apr-2015 12:18
Client ID Run ID VOA5_252161 SeqNo 3233567 PrepDate DF 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	52 03	5.0	50	0	104	79 - 122	50 57	2.85	30	
Ethylbenzene	51 69	5 0	50	0	103	80 - 122	50 06	3 2	30	
m,p-Xylene	101 6	10	100	0	102	79 - 122	99 26	2.34	30	
o-Xylene	50.32	5.0	50	0	101	80 - 123	48 63	3.42	30	
Toluene	50 54	5 0	50	0	101	79 - 120	48.45	4.22	30	
Xylenes, Total	151.9	10	150	0	101	80 - 120	147 9	2.69	30	
Surr 1,2-Dichloroethane-d4	*48 9*	*5 0*	*50*	*0*	*97 8*	*70 - 128*	*50 38*	*2 98*	*30*	
Surr 4-Bromofluorobenzene	*49 4*	*5 0*	*50*	*0*	*98 8*	*73 - 126*	*50 07*	*1 34*	*30*	
Surr Dibromofluoromethane	*49 84*	*5 0*	*50*	*0*	*99 7*	*71 - 128*	*50 38*	*1 09*	*30*	
Surr Toluene-d8	*49 7*	*5 0*	*50*	*0*	*99 4*	*73 - 127*	*50 08*	*0 773*	*30*	

The following samples were anayzed in this batch:

HS15040119-14	HS15040119-15	HS15040119-16	HS15040119-17
HS15040119-18	HS15040119-19	HS15040119-20	HS15040119-21
HS15040119-22	HS15040119-23	HS15040119-24	HS15040119-25
HS15040119-26			

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040119

QC BATCH REPORT

Batch ID: R252233 **Instrument:** VOA5 **Method:** SW8260

MBLK Sample ID **VBLKS2-040315** Units **ug/Kg** Analysis Date **03-Apr-2015 21:24**
Client ID Run ID **VOA5_252233** SeqNo **3234664** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	5 0								
Ethylbenzene	U	5.0								
m,p-Xylene	U	10								
o-Xylene	U	5.0								
Toluene	U	5 0								
Xylenes, Total	U	10								
Surr 1,2-Dichloroethane-d4	*48 18*	*5 0*	*50*	*0*	*96 4*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 26*	*5 0*	*50*	*0*	*98 5*	*73 - 126*				
Surr Dibromofluoromethane	*50 11*	*5 0*	*50*	*0*	*100*	*71 - 128*				
Surr Toluene-d8	*50 56*	*5 0*	*50*	*0*	*101*	*73 - 127*				

LCS Sample ID **VLCSS2-040315** Units **ug/Kg** Analysis Date **03-Apr-2015 20:33**
Client ID Run ID **VOA5_252233** SeqNo **3234663** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	46.74	5 0	50	0	93.5	79 - 122				
Ethylbenzene	45 49	5.0	50	0	91.0	80 - 122				
m,p-Xylene	90.29	10	100	0	90.3	79 - 122				
o-Xylene	45.07	5 0	50	0	90.1	80 - 123				
Toluene	43.96	5.0	50	0	87 9	79 - 120				
Xylenes, Total	135.4	10	150	0	90 2	80 - 120				
Surr 1,2-Dichloroethane-d4	*50 32*	*5 0*	*50*	*0*	*101*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 63*	*5 0*	*50*	*0*	*99 3*	*73 - 126*				
Surr Dibromofluoromethane	*50 64*	*5 0*	*50*	*0*	*101*	*71 - 128*				
Surr Toluene-d8	*49 87*	*5 0*	*50*	*0*	*99 7*	*73 - 127*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040119

QC BATCH REPORT

Batch ID: R252233 **Instrument:** VOA5 **Method:** SW8260

MS Sample ID HS15040050-06MS Units ug/Kg Analysis Date 03-Apr-2015 22:34
Client ID Run ID VOA5_252233 SeqNo 3234667 PrepDate DF 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	41 7	5 0	50	0	83 4	79 - 122				
Ethylbenzene	36 52	5.0	50	0	73 0	80 - 122				S
m,p-Xylene	71.48	10	100	0	71 5	79 - 122				S
o-Xylene	34 64	5 0	50	0	69.3	80 - 123				S
Toluene	35.41	5 0	50	0	70 8	79 - 120				S
Xylenes, Total	106.1	10	150	0	70.7	80 - 120				S
Surr 1,2-Dichloroethane-d4	*48 96*	*5 0*	*50*	*0*	*97 9*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 74*	*5 0*	*50*	*0*	*99 5*	*73 - 126*				
Surr Dibromofluoromethane	*51 04*	*5 0*	*50*	*0*	*102*	*71 - 128*				
Surr Toluene-d8	*50 03*	*5 0*	*50*	*0*	*100*	*73 - 127*				

MSD Sample ID. HS15040050-06MSD Units ug/Kg Analysis Date 03-Apr-2015 22:58
Client ID Run ID VOA5_252233 SeqNo 3234668 PrepDate DF 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	43 13	5.0	50	0	86.3	79 - 122	41 7	3.37	30	
Ethylbenzene	38 46	5 0	50	0	76.9	80 - 122	36.52	5 15	30	S
m,p-Xylene	74 17	10	100	0	74.2	79 - 122	71.48	3 7	30	S
o-Xylene	35 8	5 0	50	0	71.6	80 - 123	34 64	3 29	30	S
Toluene	36.77	5 0	50	0	73.5	79 - 120	35 41	3.78	30	S
Xylenes, Total	110	10	150	0	73 3	80 - 120	106.1	3 56	30	S
Surr 1,2-Dichloroethane-d4	*49 57*	*5 0*	*50*	*0*	*99 1*	*70 - 128*	*48 96*	*1 24*	*30*	
Surr 4-Bromofluorobenzene	*48 67*	*5 0*	*50*	*0*	*97 3*	*73 - 126*	*49 74*	*2 17*	*30*	
Surr Dibromofluoromethane	*50 73*	*5 0*	*50*	*0*	*101*	*71 - 128*	*51 04*	*0 607*	*30*	
Surr Toluene-d8	*50 42*	*5 0*	*50*	*0*	*101*	*73 - 127*	*50 03*	*0 794*	*30*	

The following samples were anayzed in this batch: HS15040119-27 HS15040119-28 HS15040119-29 HS15040119-30 HS15040119-31

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
WorkOrder: HS15040119

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/Kg	Milligrams per Kilogram

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	15-024-0	27-Mar-2016
California	2919	31-Jul-2016
Dept of Defense	L2231 Rev 3-20-2014	22-Dec-2015
Illinois	003403	09-May-2015
Kansas	E-10352 2014-2015	31-Jul-2015
Kentucky	KY 2014-2015	30-Apr-2015
Louisiana	03087 2014/2015	30-Jun-2015
North Carolina	624 - 2015	31-Dec-2015
North Dakota	R-193 2025	30-Apr-2015
Oklahoma	2014-128	31-Aug-2015
Texas	T104704231-14-14	30-Apr-2015

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10"-M.P. 55
Work Order: HS15040119

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS15040119-01	BMP 12-4	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-02	BMP 12-4B	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-03	BMP 12-4A	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-04	BMP 12-5	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-05	BMP 11- 5B	Login	4/3/2015 11.45 48 AM	DES	VW-2
HS15040119-06	BMP 11-.5A	Login	4/3/2015 11·45 48 AM	DES	VW-2
HS15040119-07	BMP 11-1	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-08	BMP 11-2	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-09	BMP 11-2.5A	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-10	BMP 11-2.5B	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-11	BMP 11-3	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-12	BMP 9-1	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-13	BMP 9-1 5B	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-14	BMP 9-1.5A	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-15	BMP 8-1	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-16	BMP 8-1.5A	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-17	BMP 8-1.5B	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-18	BMP 7-1	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-19	BMP 7-1.5B	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-20	BMP 7-2	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-21	BMP 7-2.5A	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-22	BMP 6-1	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-23	BMP 6-1 5B	Login	4/3/2015 11.45 48 AM	DES	VW-2
HS15040119-24	BMP 6-1.5A	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-25	BMP 6-2	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-26	BMP 6-2.5B	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-27	BMP 6-2 5A	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-28	BMP 5-1	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-29	BMP 5-1 5B	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-30	BMP 5-1.5A	Login	4/3/2015 11 45 48 AM	DES	VW-2
HS15040119-31	BMP 5-2	Login	4/3/2015 11 47 31 AM	DES	VW-2

Sample Receipt Checklist

Client Name	MAGELLAN-TULSA	Date/Time Received	03-Apr-2015 09:15
Work Order	HS15040119	Received by	DES

Checklist completed by	*Derek E Sholl* eSignature	3-Apr-2015 Date	Reviewed by	*Sonia West* eSignature	3-Apr-2015 Date

Matrices: Soil Carrier name: FedEx

	Yes	No	Not Present
Shipping container/cooler in good condition?	☑	☐	☐
Custody seals intact on shipping container/cooler?	☑	☐	☐
Custody seals intact on sample bottles?	☐	☐	☑
Chain of custody present?	☑	☐	
Chain of custody signed when relinquished and received?	☑	☐	
Chain of custody agrees with sample labels?	☑	☐	
Samples in proper container/bottle?	☑	☐	
Sample containers intact?	☑	☐	
Sufficient sample volume for indicated test?	☑	☐	
All samples received within holding time?	☑	☐	
Container/Temp Blank temperature in compliance?	☑	☐	

Temperature(s)/Thermometer(s)	2 2/2 2c C/UC	3
Cooler(s)/Kit(s)	4615	
Date/Time sample(s) sent to storage:	04/03/2015 12 30	

	Yes	No	
Water - VOA vials have zero headspace?	☐	☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	☐	☐	N/A ☑
pH adjusted?	☐	☐	N/A ☑
pH adjusted by			

Login Notes.

Client Contacted. Date Contacted Person Contacted

Contacted By. 0 Regarding

Comments:

Corrective Action

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Chain of Custody Form

Page 1 of 4

COC ID: 121851

HS15040119

Magellan Midstream Partners, LP
Heame to Dallas 10"-M.P. 55

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Heame to Dallas 10" - M P. 55	A	BTEX 8260
Work Order		Project Number		B	TPH TX1005
Company Name	Magellan Midstream Partners, LP	Bill To Company	Magellan Midstream Partners, LP	C	
Send Report To	Steve Moyer	Invoice Attn	Steve Moyer	D	
Address	One Williams Center	Address	One Williams Center	E	
	Mail Drop 27		Mail Drop 27	F	
City/State/Zip	Tulsa	City/State/Zip	Tulsa	G	
Phone	(918) 574-7040	Phone	(918) 574-7383	H	
Fax		Fax		I	
e-Mail Address	Steve.Moyer@magellanlp.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	BMP 12-4	4/2/2015	820	Soil	Ice	1	X	X									
2	BMP 12-4B	4/2/2015	829	Soil	Ice	1	X	X									
3	BMP 12-4A	4/2/2015	836	Soil	Ice	1	X	X									
4	BMP 12-5	4/2/2015	839	Soil	Ice	1	X	X									
5	BMP 11-.5B	4/2/2015	848	Soil	Ice	1	X	X									
6	BMP 11-.5A	4/2/2015	902	Soil	Ice	1	X	X									
7	BMP 11-1	4/2/2015	859	Soil	Ice	1	X	X									
8	BMP 11-2	4/2/2015	906	Soil	Ice	1	X	X									
9	BMP 11-2.5A	4/2/2015	916	Soil	Ice	1	X	X									
10	BMP 11-2.5B	4/2/2015	930	Soil	Ice	1	X	X									

Sampler(s) Please Print & Sign: Tim Clark

Shipment Method: FedEx

Required Turnaround Time: (Check Box) ☐ Std 10 Wk days ☐ 5 Wk Days ☐ 2 Wk Days ☒ 24 Hour ☐ Other

Results Due Date:

Notes:

Relinquished by:	Date: 4/2/2015	Time: 1619	Received by:
Relinquished by:	Date:	Time:	Received by (Laboratory): 4-3-15 · 09:15
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Cooler ID	Cooler Temp.
4615	2.2° #3

QC Package: (Check One Box Below)
- ☒ Level 2 Std QC
- ☐ Level 3 Std QC/Row da
- ☐ Level 4 SW846/CLP
- ☐ Other/EDD
- ☐ TRRP ChkList
- ☐ TRRP Level 4

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
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Chain of Custody Form

Page 2 of 4

COC ID: 121852

HS15040119

Magellan Midstream Partners, LP

Heame to Dallas 10"-M P 55

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Heame to Dallas 10" - M P. 55	A	BTEX 8260
Work Order		Project Number		B	TPH TX1005
Company Name	Magellan Midstream Partners, LP	Bill To Company	Magellan Midstream Partners, LP	C	
Send Report To	Steve Moyer	Invoice Attn.	Steve Moyer	D	
Address	One Williams Center	Address	One Williams Center	E	
	Mail Drop 27		Mail Drop 27	F	
City/State/Zip	Tulsa	City/State/Zip	Tulsa	G	
Phone	(918) 574-7040	Phone	(918) 574-7383	H	
Fax		Fax		I	
e-Mail Address	Steve Moyer@magellanlp com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	BMP 11-3	4/2/2015	930	Soil	Ice	1	X	X									
2	BMP 9-1	4/2/2015	939	Soil	Ice	1	X	X									
3	BMP 9-1.5B	4/2/2015	954	Soil	Ice	1	X	X									
4	BMP 9-1.5A	4/2/2015	952	Soil	Ice	1	X	X									
5	BMP 8-1	4/2/2015	959	Soil	Ice	1	X	X									
6	BMP 8-1.5A	4/2/2015	1011	Soil	Ice	1	X	X									
7	BMP 8-1.5B	4/2/2015	1013	Soil	Ice	1	X	X									
8	BMP 7-1	4/2/2015	1016	Soil	Ice	1	X	X									
9	BMP 7-1.5B	4/2/2015	1046	Soil	Ice	1	X	X									
10	BMP 7-2	4/2/2015	1048	Soil	Ice	1	X	X									

Sampler(s) Please Print & Sign: [illegible]

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☐ Std 10 Wk days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by: [illegible]	Date: 4/2/2015	Time: 1630	Received by:	Notes:
Relinquished by:	Date:	Time:	Received by (Laboratory): 4-3-15 09:15	Cooler ID / Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	QC Package: (Check One Box Below)

☒ Level 2 Std QC ☐ TRRP ChkList
☐ Level 3 Std QC/Row da ☐ TRRP Level 4
☐ Level 4 SW846/CLP
☐ Other/EDD

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Chain of Custody Form

Page 3 of 4

COC ID: 121854

HS15040119

Magellan Midstream Partners, LP
Heame to Dallas 10"-M P 55

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Heame to Dallas 10" - M P 55	A	BTEX 8260
Work Order		Project Number		B	TPH TX1005
Company Name	Magellan Midstream Partners, LP	Bill To Company	Magellan Midstream Partners, LP	C	
Send Report To	Steve Moyer	Invoice Attn	Steve Moyer	D	
Address	One Williams Center Mail Drop 27	Address	One Williams Center Mail Drop 27	E F	
City/State/Zip	Tulsa	City/State/Zip	Tulsa	G	
Phone	(918) 574-7040	Phone	(918) 574-7383	H	
Fax		Fax		I	
e-Mail Address	Steve.Moyer@magellanlp.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	BMP 7 - 2.5A	4/2/2015	1053	Soil	Ice	1	X	X									
2	~~(B) BMP 7~~ (C) BMP 6-1	4/2/2015	1107	Soil	Ice	1	X	X									
3	(B) BMP 6 - 1.5B	4/2/2015	1109	Soil	Ice	1	X	X									
4	BMP6 - 1.5 A	4/2/2015	1111	Soil	Ice	1	X	X									
5	BMP6 - 2	4/2/2015	1114	Soil	Ice	1	X	X									
6	BMP6 - 2.5B	4/2/2015	1129	Soil	Ice	1	X	X									
7	BMP6 - 2.5A	4/2/2015	1122	Soil	Ice	1	X	X									
8	BMP5 - 1	4/2/2015	1137	Soil	Ice	1	X	X									
9	BMP5 - 1.5B	4/2/2015	1148	Soil	Ice	1	X	X									
10	BMP5 - 1.5A	4/2/2015	1141	Soil	Ice	1	X	X									

Sampler(s) Please Print & Sign: Tim Chin

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☐ Std 10 Wk days ☐ 5 Wk Days ☐ 3 Wk Days ☒ 24 Hour ☐ Other

Results Due Date:

Notes:

Relinquished by:	Date:	Time:	Received by:	
Relinquished by:	Date:	Time:	Received by (Laboratory): 4.3.15 09:15	Cooler ID: 4615 / Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

QC Package: (Check One Box Below)
- ☒ Level 2 Std QC
- ☐ Level 3 Std QC/Row da
- ☐ Level 4 SW846/CLP
- ☐ Other/EDD
- ☐ TRRP ChkList
- ☐ TRRP Level 4

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Chain of Custody Form

Page 4 of 4

COC ID: 121853

HS15040119

Magellan Midstream Partners, LP
Heame to Dallas 10"-M P 55

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Heame to Dallas 10" - M P. 55	A	BTEX 8260
Work Order		Project Number		B	TPH TX1005
Company Name	Magellan Midstream Partners, LP	Bill To Company	Magellan Midstream Partners, LP	C	
Send Report To	Steve Moyer	Invoice Attn	Steve Moyer	D	
Address	One Williams Center	Address	One Williams Center	E	
	Mail Drop 27		Mail Drop 27	F	
City/State/Zip	Tulsa	City/State/Zip	Tulsa	G	
Phone	(918) 574-7040	Phone	(918) 574-7383	H	
Fax		Fax		I	
e-Mail Address	Steve Moyer@magellanlp.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	BMP 5-2	4/2/2015	1157	Soil	Ice	1	X	X									
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: [illegible]

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☐ Std 10 Wk days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Notes:

Relinquished by:	Date: 4/2/2015	Time: 1639	Received by:	
Relinquished by:	Date	Time:	Received by (Laboratory): 4.3.15. 09:15	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.
4.0.5	

QC Package: (Check One Box Below)
- [X] Level 2 Std QC
- [ ] Level 3 Std QC/Row da
- [ ] Level 4 SW846/CLP
- [ ] Other/EDD
- [ ] TRRP ChkList
- [ ] TRRP Level 4

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
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Houston, Texas 77099
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CUSTODY SEAL

Date: 4/2/10 Time: 1644
Name: [illegible]
Company: [illegible]

Seal Broken By: [illegible]
Date: 4-3-15

TRK# 0215 8071 0710 8247

FRI - 03 APR 10:30A
PRIORITY OVERNIGHT

43 SGRA

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TX-US IAH

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April 16, 2015

Steve Moyer
Magellan Midstream Partners, LP
One Williams Center
Mail Drop 27
Tulsa, OK 74172

Work Order **HS15040561**

Laboratory Results for· **Hearne to Dallas 10" - M.P. 55**

Dear Steve,

ALS Environmental received 4 sample(s) on Apr 15, 2015 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Sonia West

Generated By: Sonia.West
Sonia West
Project Manager

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10" - M.P. 55
Work Order: HS15040561

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS15040561-01	CD-3N	Soil		14-Apr-2015 16 59	15-Apr-2015 09 05	☐
HS15040561-02	CD-3E	Soil		14-Apr-2015 17 05	15-Apr-2015 09 05	☐
HS15040561-03	CD-3S	Soil		14-Apr-2015 16 53	15-Apr-2015 09 05	☐
HS15040561-04	CD-3W	Soil		14-Apr-2015 16 56	15-Apr-2015 09 05	☐

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10" - M.P. 55
Work Order: HS15040561

CASE NARRATIVE

GC Semivolatiles by Method TX1005

Batch ID: 92421

Sample ID **HS15040502-01MS**
- MS and MSD are for an unrelated sample

Sample ID **HS15040502-01MSD**
- MSD is for an unrelated sample

GCMS Volatiles by Method SW8260

Batch ID: R252887

Sample ID **CD-3S (HS15040561-03MS)**
- MS/MSD failed QC limits for most compounds.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project	Hearne to Dallas 10" - M.P. 55	WorkOrder:HS15040561
Sample ID	CD-3N	Lab ID:HS15040561-01
Collection Date.	14-Apr-2015 16:59	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst. WLR
Benzene		U	0.00060	0.0050	mg/Kg	1	16-Apr-2015 01 21
Ethylbenzene		U	0.00090	0 0050	mg/Kg	1	16-Apr-2015 01 21
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	16-Apr-2015 01 21
o-Xylene		U	0.0010	0 0050	mg/Kg	1	16-Apr-2015 01 21
Toluene		U	0.00070	0 0050	mg/Kg	1	16-Apr-2015 01 21
Xylenes, Total		U	0.0017	0.010	mg/Kg	1	16-Apr-2015 01 21
Surr 1,2-Dichloroethane-d4	*94 0*			*70-128*	*%REC*	*1*	*16-Apr-2015 01 21*
Surr 4-Bromofluorobenzene	*95 9*			*73-126*	*%REC*	*1*	*16-Apr-2015 01 21*
Surr Dibromofluoromethane	*96 9*			*71-128*	*%REC*	*1*	*16-Apr-2015 01 21*
Surr Toluene-d8	*100*			*73-127*	*%REC*	*1*	*16-Apr-2015 01 21*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep.TX1005PR / 15-Apr-2015		Analyst. JKP
nC6 to nC12		U	9 9	50	mg/Kg	1	16-Apr-2015 03 52
>nC12 to nC28		U	9.9	50	mg/Kg	1	16-Apr-2015 03 52
>nC28 to nC35		U	9 9	50	mg/Kg	1	16-Apr-2015 03 52
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	16-Apr-2015 03 52
Surr 2-Fluorobiphenyl	*90 3*			*70-130*	*%REC*	*1*	*16-Apr-2015 03 52*
Surr Trifluoromethyl benzene	*79 0*			*70-130*	*%REC*	*1*	*16-Apr-2015 03 52*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10" - M.P. 55	WorkOrder HS15040561
Sample ID	CD-3E	Lab ID:HS15040561-02
Collection Date:	14-Apr-2015 17·05	Matrix.Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C			**Method:SW8260**				Analyst WLR
Benzene		U	0.00060	0 0050	mg/Kg	1	16-Apr-2015 01 45
Ethylbenzene		U	0.00090	0 0050	mg/Kg	1	16-Apr-2015 01 45
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	16-Apr-2015 01 45
o-Xylene		U	0.0010	0 0050	mg/Kg	1	16-Apr-2015 01 45
Toluene		U	0.00070	0 0050	mg/Kg	1	16-Apr-2015 01 45
Xylenes, Total		U	0.0017	0 010	mg/Kg	1	16-Apr-2015 01 45
Surr· 1,2-Dichloroethane-d4	*87 2*			*70-128*	*%REC*	*1*	*16-Apr-2015 01 45*
Surr· 4-Bromofluorobenzene	*95 0*			*73-126*	*%REC*	*1*	*16-Apr-2015 01 45*
Surr· Dibromofluoromethane	*95 2*			*71-128*	*%REC*	*1*	*16-Apr-2015 01 45*
Surr· Toluene-d8	*101*			*73-127*	*%REC*	*1*	*16-Apr-2015 01 45*
TEXAS TPH BY TX1005			**Method:TX1005**		Prep·TX1005PR / 15-Apr-2015		Analyst. JKP
nC6 to nC12		U	9 9	50	mg/Kg	1	16-Apr-2015 04 21
>nC12 to nC28		U	9 9	50	mg/Kg	1	16-Apr-2015 04 21
>nC28 to nC35		U	9.9	50	mg/Kg	1	16-Apr-2015 04 21
Total Petroleum Hydrocarbon		U	9 9	50	mg/Kg	1	16-Apr-2015 04 21
Surr· 2-Fluorobiphenyl	*106*			*70-130*	*%REC*	*1*	*16-Apr-2015 04 21*
Surr· Trifluoromethyl benzene	*90 3*			*70-130*	*%REC*	*1*	*16-Apr-2015 04 21*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10" - M.P. 55	WorkOrder HS15040561
Sample ID	CD-3S	Lab ID:HS15040561-03
Collection Date:	14-Apr-2015 16:53	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst: WLR
Benzene		U	0 00060	0.0050	mg/Kg	1	16-Apr-2015 02 08
Ethylbenzene		U	0.00090	0.0050	mg/Kg	1	16-Apr-2015 02 08
m,p-Xylene		U	0 0017	0.010	mg/Kg	1	16-Apr-2015 02 08
o-Xylene		U	0 0010	0.0050	mg/Kg	1	16-Apr-2015 02 08
Toluene		U	0.00070	0.0050	mg/Kg	1	16-Apr-2015 02 08
Xylenes, Total		U	0 0017	0.010	mg/Kg	1	16-Apr-2015 02 08
Surr 1,2-Dichloroethane-d4	*89 6*			*70-128*	*%REC*	*1*	*16-Apr-2015 02 08*
Surr 4-Bromofluorobenzene	*95 7*			*73-126*	*%REC*	*1*	*16-Apr-2015 02 08*
Surr Dibromofluoromethane	*97 1*			*71-128*	*%REC*	*1*	*16-Apr-2015 02 08*
Surr Toluene-d8	*101*			*73-127*	*%REC*	*1*	*16-Apr-2015 02 08*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 15-Apr-2015		Analyst. JKP
nC6 to nC12		U	10	50	mg/Kg	1	16-Apr-2015 04 50
>nC12 to nC28		U	10	50	mg/Kg	1	16-Apr-2015 04 50
>nC28 to nC35		U	10	50	mg/Kg	1	16-Apr-2015 04 50
Total Petroleum Hydrocarbon		U	10	50	mg/Kg	1	16-Apr-2015 04 50
Surr 2-Fluorobiphenyl	*88 5*			*70-130*	*%REC*	*1*	*16-Apr-2015 04 50*
Surr Trifluoromethyl benzene	*72 1*			*70-130*	*%REC*	*1*	*16-Apr-2015 04 50*

Note See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Magellan Midstream Partners, LP	**ANALYTICAL REPORT**
Project:	Hearne to Dallas 10" - M.P. 55	WorkOrder:HS15040561
Sample ID:	CD-3W	Lab ID HS15040561-04
Collection Date:	14-Apr-2015 16:56	Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		**Method:SW8260**					Analyst. WLR
Benzene		U	0 00060	0 0050	mg/Kg	1	16-Apr-2015 02 32
Ethylbenzene		U	0 00090	0 0050	mg/Kg	1	16-Apr-2015 02 32
m,p-Xylene		U	0.0017	0.010	mg/Kg	1	16-Apr-2015 02.32
o-Xylene		U	0.0010	0 0050	mg/Kg	1	16-Apr-2015 02 32
Toluene		U	0 00070	0.0050	mg/Kg	1	16-Apr-2015 02 32
Xylenes, Total		U	0.0017	0 010	mg/Kg	1	16-Apr-2015 02 32
Surr 1,2-Dichloroethane-d4	*90 8*			*70-128*	*%REC*	*1*	*16-Apr-2015 02 32*
Surr 4-Bromofluorobenzene	*97 2*			*73-126*	*%REC*	*1*	*16-Apr-2015 02 32*
Surr Dibromofluoromethane	*96 7*			*71-128*	*%REC*	*1*	*16-Apr-2015 02 32*
Surr Toluene-d8	*104*			*73-127*	*%REC*	*1*	*16-Apr-2015 02 32*
TEXAS TPH BY TX1005		**Method:TX1005**			Prep TX1005PR / 15-Apr-2015		Analyst JKP
nC6 to nC12		U	9.9	50	mg/Kg	1	16-Apr-2015 05 19
>nC12 to nC28		U	9.9	50	mg/Kg	1	16-Apr-2015 05 19
>nC28 to nC35		U	9.9	50	mg/Kg	1	16-Apr-2015 05 19
Total Petroleum Hydrocarbon		U	9.9	50	mg/Kg	1	16-Apr-2015 05 19
Surr 2-Fluorobiphenyl	*109*			*70-130*	*%REC*	*1*	*16-Apr-2015 05 19*
Surr Trifluoromethyl benzene	*92 7*			*70-130*	*%REC*	*1*	*16-Apr-2015 05 19*

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10" - M.P. 55
WorkOrder: HS15040561

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID 92421	**Test Name :** TEXAS TPH BY TX1005			**Matrix:** Soil		
HS15040561-01	CD-3N	14 Apr 2015 16 59		15 Apr 2015 10 14	16 Apr 2015 03 52	1
HS15040561-02	CD-3E	14 Apr 2015 17 05		15 Apr 2015 10 14	16 Apr 2015 04 21	1
HS15040561-03	CD-3S	14 Apr 2015 16 53		15 Apr 2015 10 14	16 Apr 2015 04 50	1
HS15040561-04	CD-3W	14 Apr 2015 16 56		15 Apr 2015 10 14	16 Apr 2015 05 19	1
Batch ID R252887	**Test Name :** VOLATILES BY SW8260C			**Matrix:** Soil		
HS15040561-01	CD-3N	14 Apr 2015 16 59			16 Apr 2015 01 21	1
HS15040561-02	CD-3E	14 Apr 2015 17.05			16 Apr 2015 01 45	1
HS15040561-03	CD-3S	14 Apr 2015 16 53			16 Apr 2015 02 08	1
HS15040561-04	CD-3W	14 Apr 2015 16 56			16 Apr 2015 02 32	1

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10" - M.P. 55
WorkOrder: HS15040561

QC BATCH REPORT

Batch ID: 92421 **Instrument: FID-11** **Method: TX1005**

MBLK Sample ID **MBLK-92421** Units **mg/Kg** Analysis Date **15-Apr-2015 17:41**
Client ID Run ID **FID-11_252911** SeqNo **3249054** PrepDate **15-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	U	50								
>nC12 to nC28	U	50								
>nC28 to nC35	U	50								
Total Petroleum Hydrocarbon	U	50								
Surr 2-Fluorobiphenyl	*21 43*	*0*	*25*	*0*	*85 7*	*70 - 130*				
Surr Trifluoromethyl benzene	*18 25*	*0*	*25*	*0*	*73 0*	*70 - 130*				

LCS Sample ID **LCS-92421** Units **mg/Kg** Analysis Date **15-Apr-2015 18:10**
Client ID Run ID **FID-11_252911** SeqNo **3249055** PrepDate **15-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	215.1	50	250	0	86.0	75 - 125				
>nC12 to nC28	251.2	50	250	0	100	75 - 125				
Surr 2-Fluorobiphenyl	*24 93*	*0*	*25*	*0*	*99 7*	*70 - 130*				
Surr Trifluoromethyl benzene	*20 25*	*0*	*25*	*0*	*81 0*	*70 - 130*				

LCSD Sample ID **LCSD-92421** Units **mg/Kg** Analysis Date **15-Apr-2015 18:39**
Client ID Run ID **FID-11_252911** SeqNo. **3249056** PrepDate **15-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	210.8	50	250	0	84.3	75 - 125	215 1	1.99	20	
>nC12 to nC28	256 1	50	250	0	102	75 - 125	251.2	1 94	20	
Surr 2-Fluorobiphenyl	*26 13*	*0*	*25*	*0*	*105*	*70 - 130*	*24 93*	*4 7*	*20*	
Surr Trifluoromethyl benzene	*19 97*	*0*	*25*	*0*	*79 9*	*70 - 130*	*20 25*	*1 41*	*20*	

MS Sample ID **HS15040502-01MS** Units **mg/Kg** Analysis Date **16-Apr-2015 23:01**
Client ID Run ID **FID-11_252911** SeqNo **3249073** PrepDate **15-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	211	50	248 5	0	84 9	75 - 125				
>nC12 to nC28	504 2	50	248 5	62 1	178	75 - 125				S
Surr 2-Fluorobiphenyl	*30 64*	*0*	*24 85*	*0*	*123*	*70 - 130*				
Surr Trifluoromethyl benzene	*21 5*	*0*	*24 85*	*0*	*86 5*	*70 - 130*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10" - M.P. 55
WorkOrder: HS15040561

QC BATCH REPORT

Batch ID: 92421 **Instrument: FID-11** **Method: TX1005**

MSD Sample ID **HS15040502-01MSD** Units **mg/Kg** Analysis Date **16-Apr-2015 23:30**
Client ID Run ID **FID-11_252911** SeqNo **3249074** PrepDate **15-Apr-2015** DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	201.8	50	248	0	81.3	75 - 125	211	4.5	20	
>nC12 to nC28	463.4	50	248	62.1	162	75 - 125	504 2	8.45	20	S
Surr 2-Fluorobiphenyl	*29 34*	*0*	*24 8*	*0*	*118*	*70 - 130*	*30 64*	*4 31*	*20*	
Surr Trifluoromethyl benzene	*20 67*	*0*	*24 8*	*0*	*83 3*	*70 - 130*	*21 5*	*3 92*	*20*	

The following samples were anayzed in this batch: HS15040561-01 HS15040561-02 HS15040561-03 HS15040561-04

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10" - M.P. 55
WorkOrder: HS15040561

QC BATCH REPORT

Batch ID: R252887 **Instrument:** VOA5 **Method:** SW8260

MBLK Sample ID **VBLKS1-041615** Units: **ug/Kg** Analysis Date **16-Apr-2015 00:58**
Client ID Run ID **VOA5_252887** SeqNo **3248540** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	5.0								
Ethylbenzene	U	5.0								
m,p-Xylene	U	10								
o-Xylene	U	5.0								
Toluene	U	5.0								
Xylenes, Total	U	10								
Surr 1,2-Dichloroethane-d4	*46 65*	*5 0*	*50*	*0*	*93 3*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 97*	*5 0*	*50*	*0*	*99 9*	*73 - 126*				
Surr Dibromofluoromethane	*49 1*	*5 0*	*50*	*0*	*98 2*	*71 - 128*				
Surr Toluene-d8	*51 46*	*5 0*	*50*	*0*	*103*	*73 - 127*				

LCS Sample ID **VLCSS1-041615** Units **ug/Kg** Analysis Date **16-Apr-2015 00:12**
Client ID Run ID **VOA5_252887** SeqNo **3248539** PrepDate DF **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	48.32	5.0	50	0	96.6	79 - 122				
Ethylbenzene	48.21	5.0	50	0	96 4	80 - 122				
m,p-Xylene	96.48	10	100	0	96.5	79 - 122				
o-Xylene	48.66	5.0	50	0	97 3	80 - 123				
Toluene	45.99	5.0	50	0	92.0	79 - 120				
Xylenes, Total	145 1	10	150	0	96.8	80 - 120				
Surr 1,2-Dichloroethane-d4	*50 83*	*5 0*	*50*	*0*	*102*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 98*	*5 0*	*50*	*0*	*100 0*	*73 - 126*				
Surr Dibromofluoromethane	*50 4*	*5 0*	*50*	*0*	*101*	*71 - 128*				
Surr Toluene-d8	*49 72*	*5 0*	*50*	*0*	*99 4*	*73 - 127*				

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10" - M.P. 55
WorkOrder: HS15040561

QC BATCH REPORT

Batch ID: R252887 **Instrument:** VOA5 **Method:** SW8260

MS Sample ID **HS15040561-03MS** Units **ug/Kg** Analysis Date **16-Apr-2015 02:55**
Client ID **CD-3S** Run ID **VOA5_252887** SeqNo **3248545** PrepDate DF. **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	39.28	5.0	50	0	78.6	79 - 122				S
Ethylbenzene	33.75	5 0	50	0	67.5	80 - 122				S
m,p-Xylene	65.38	10	100	0	65 4	79 - 122				S
o-Xylene	32.64	5.0	50	0	65 3	80 - 123				S
Toluene	33.09	5 0	50	0	66 2	79 - 120				S
Xylenes, Total	98.01	10	150	0	65.3	80 - 120				S
Surr 1,2-Dichloroethane-d4	*49 27*	*5 0*	*50*	*0*	*98 5*	*70 - 128*				
Surr 4-Bromofluorobenzene	*49 32*	*5 0*	*50*	*0*	*98 6*	*73 - 126*				
Surr Dibromofluoromethane	*50 44*	*5 0*	*50*	*0*	*101*	*71 - 128*				
Surr Toluene-d8	*50 12*	*5 0*	*50*	*0*	*100*	*73 - 127*				

MSD Sample ID **HS15040561-03MSD** Units **ug/Kg** Analysis Date **16-Apr-2015 03:18**
Client ID **CD-3S** Run ID **VOA5_252887** SeqNo **3248546** PrepDate DF. **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	41.54	5 0	50	0	83.1	79 - 122	39 28	5.58	30	
Ethylbenzene	36 69	5.0	50	0	73.4	80 - 122	33 75	8 35	30	S
m,p-Xylene	69 76	10	100	0	69.8	79 - 122	65.38	6.48	30	S
o-Xylene	34.66	5.0	50	0	69 3	80 - 123	32 64	6 01	30	S
Toluene	36.52	5.0	50	0	73.0	79 - 120	33 09	9 85	30	S
Xylenes, Total	104 4	10	150	0	69 6	80 - 120	98 01	6 32	30	S
Surr 1,2-Dichloroethane-d4	*49 84*	*5 0*	*50*	*0*	*99 7*	*70 - 128*	*49 27*	*1 16*	*30*	
Surr 4-Bromofluorobenzene	*48 98*	*5 0*	*50*	*0*	*98 0*	*73 - 126*	*49 32*	*0 695*	*30*	
Surr Dibromofluoromethane	*50 23*	*5 0*	*50*	*0*	*100*	*71 - 128*	*50 44*	*0 416*	*30*	
Surr Toluene-d8	*50 65*	*5 0*	*50*	*0*	*101*	*73 - 127*	*50 12*	*1 04*	*30*	

The following samples were anayzed in this batch: HS15040561-01 HS15040561-02 HS15040561-03 HS15040561-04

Note See Qualifiers Page for a list of qualifiers and their explanation

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10" - M.P. 55
WorkOrder: **HS15040561**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/Kg	Milligrams per Kilogram

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	15-024-0	27-Mar-2016
California	2919	31-Jul-2016
Dept of Defense	L2231 Rev 3-20-2014	22-Dec-2015
Illinois	003403	09-May-2015
Kansas	E-10352 2014-2015	31-Jul-2015
Kentucky	KY 2014-2015	30-Apr-2015
Louisiana	03087 2014/2015	30-Jun-2015
North Carolina	624 - 2015	31-Dec-2015
North Dakota	R-193 2025	30-Apr-2015
Oklahoma	2014-128	31-Aug-2015
Texas	T104704231-14-14	30-Apr-2015

Client: Magellan Midstream Partners, LP
Project: Hearne to Dallas 10" - M.P. 55
Work Order: HS15040561

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS15040561-01	CD-3N	Login	4/15/2015 2 00 07 PM	DES	VW-2
HS15040561-02	CD-3E	Login	4/15/2015 2 00 07 PM	DES	VW-2
HS15040561-03	CD-3S	Login	4/15/2015 2 00 07 PM	DES	VW-2
HS15040561-04	CD-3W	Login	4/15/2015 2:00 07 PM	DES	VW-2

Sample Receipt Checklist

Client Name	MAGELLAN-TULSA	Date/Time Received	15-Apr-2015 09:05
Work Order:	HS15040561	Received by:	DES

Checklist completed by	*Derek E Sholl* (eSignature)	15-Apr-2015 (Date)	Reviewed by	*Sonia West* (eSignature) 16-Apr-2015 (Date)
Matrices	Soil		Carrier name	FedEx

	Yes	No	Not Present
Shipping container/cooler in good condition?	☑	☐	☐
Custody seals intact on shipping container/cooler?	☑	☐	☐
Custody seals intact on sample bottles?	☐	☐	☑
Chain of custody present?	☑	☐	
Chain of custody signed when relinquished and received?	☑	☐	
Chain of custody agrees with sample labels?	☑	☐	
Samples in proper container/bottle?	☐	☑	
Sample containers intact?	☑	☐	
Sufficient sample volume for indicated test?	☑	☐	
All samples received within holding time?	☑	☐	
Container/Temp Blank temperature in compliance?	☑	☐	

Temperature(s)/Thermometer(s)	0.3/0.3c C/UC	3
Cooler(s)/Kit(s)	4891	
Date/Time sample(s) sent to storage	04/15/2015 14 30	

	Yes	No	
Water - VOA vials have zero headspace?	☐	☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	☐	☐	N/A ☑
pH adjusted?	☐	☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted. Date Contacted. Person Contacted.

Contacted By 0 Regarding

Comments

Corrective Action:

ALS Environmental

Cincinnati, OH +1 513 733 5336
Everett, WA +1 425 356 2600
Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 122744

HS15040561

Magellan Midstream Partners, LP
Hearne to Dallas 10" - M P 55

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Hearne to Dallas 10" - M.P 55	A	BTEX 8260
Work Order		Project Number		B	TPH TX1005
Company Name	Magellan Midstream Partners, LP	Bill To Company	Magellan Midstream Partners, LP	C	
Send Report To	Steve Moyer	Invoice Attn	Steve Moyer	D	
Address	One Williams Center	Address	One Williams Center	E	
	Mail Drop 27		Mail Drop 27	F	
City/State/Zip	Tulsa	City/State/Zip	Tulsa	G	
Phone	(918) 574-7040	Phone	(918) 574-7383	H	
Fax		Fax		I	
e-Mail Address	Steve.Moyer@magellanlp com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	CD-3N	4/14/15	1659	Soil	Ice	1	X	X									
2	CD-3E	4/14/15	1705	Soil	Ice	1	X	X									
3	CD-3S	4/14/15	1653	Soil	Ice	1	X	X									
4	CD-3W	4/14/15	1656	Soil	Ice	1	X	X									
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Tim Clark

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☐ Std 10 WK days ☐ 5 WK Days ☐ 2 WK Days ☒ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date: 4/14/15	Time: 1800	Received by: Fed Ex	Notes:
Relinquished by:	Date: 4-15-15	Time: 905	Received by (Laboratory):	Cooler ID: 480 / Cooler Temp.: 0.3°
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

QC Package: (Check One Box Below)
- ☒ Level 2 Std QC
- ☐ Level 3 Std QC/Row da
- ☐ Level 4 SW846/CLP
- ☐ Other/EDD
- ☐ TRRP ChkList
- ☐ TRRP Level 4

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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RIGHT SOLUTIONS | RIGHT PARTNER

ALS Environmental
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

CUSTODY SEAL
Date: 4-14-15 Time: 1800
Name: [illegible]
Company: [illegible]

Seal Broken By: [illegible]
Date: 4-15-15

FedEx.
TRK# 0215 8071 0710 8258

WED - 15 APR 10:30A
PRIORITY OVERNIGHT

43 SGRA

77099
TX-US
IAH

FID 5017166 14APR15 ACTA 522C2/8FC6/65DD

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ATTACHMENT B

ATTACHMENT B

USDOT PHMSA Form-F 7000.1

No. 20150133-21742 & No. 20150132-21741

Dated April 9, 2015

NOTICE This report is required by 49 CFR Part 195 Failure to report can result in a civil penalty not to exceed $100,000 for each violation for each day that such violation persists except that the maximum civil penalty shall not exceed $1,000,000 as provided in 49 USC 60122	OMB NO 2137-0047 EXPIRATION DATE 12/31/2016

U S Department of Transportation Pipeline and Hazardous Materials Safety Administration	**Original Report Date:**	04/09/2015
	No.	20150133 - 21742 (DOT Use Only)

ACCIDENT REPORT - HAZARDOUS LIQUID PIPELINE SYSTEMS

A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number The OMB Control Number for this information collection is 2137-0047 All responses to the collection of information are mandatory Send comments regarding this burden or any other aspect of this collection of information, including suggestions for reducing the burden to Information Collection Clearance Officer, PHMSA, Office of Pipeline Safety (PHP-30) 1200 New Jersey Avenue, SE, Washington, D C 20590

INSTRUCTIONS

Important: *Please read the separate instructions for completing this form before you begin They clarify the information requested and provide specific examples If you do not have a copy of the instructions, you can obtain one from the PHMSA Pipeline Safety Community Web Page at http://www.phmsa.dot.gov/pipeline/library/forms*

PART A - KEY REPORT INFORMATION

Report Type *(select all that apply)*	**Original:**	**Supplemental:**	**Final:**
		Yes	Yes

Last Revision Date	10/05/2016
1 Operator's OPS-issued Operator Identification Number (OPID)	22610
2 Name of Operator	MAGELLAN PIPELINE COMPANY, LP
3 Address of Operator	
3a Street Address	ONE WILLIAMS CENTER, MD 27 P O BOX 22186
3b City	TULSA
3c State	Oklahoma
3d Zip Code	74172
4 Local time *(24-hr clock)* and date of the Accident	03/11/2015 19 20
5 Location of Accident	
Latitude	31 54706
Longitude	-97 03784
6 National Response Center Report Number (if applicable)	1110355
7 Local time *(24-hr clock)* and date of initial telephonic report to the National Response Center (if applicable)	03/11/2015 19 31
8 Commodity released *(select only one, based on predominant volume released)*	Refined and/or Petroleum Product (non-HVL) which is a Liquid at Ambient Conditions
- Specify Commodity Subtype	Gasoline (non-Ethanol)
- If "Other" Subtype, Describe	
- If Biofuel/Alternative Fuel and Commodity Subtype is Ethanol Blend, then % Ethanol Blend	
- If Biofuel/Alternative Fuel and Commodity Subtype is Biodiesel, then Biodiesel Blend e g B2, B20, B100	
9 Estimated volume of commodity released unintentionally (Barrels)	25 00
10 Estimated volume of intentional and/or controlled release/blowdown (Barrels)	
11 Estimated volume of commodity recovered (Barrels)	20 00
12 Were there fatalities?	No
- If Yes, specify the number in each category	
12a Operator employees	
12b Contractor employees working for the Operator	
12c Non-Operator emergency responders	
12d Workers working on the right-of-way, but NOT associated with this Operator	
12e General public	
12f Total fatalities (sum of above)	
13 Were there injuries requiring inpatient hospitalization?	No
- If Yes, specify the number in each category	
13a Operator employees	
13b Contractor employees working for the Operator	
13c Non-Operator emergency responders	
13d Workers working on the right-of-way, but NOT associated with this Operator	
13e General public	

13f Total injuries (sum of above)	
14 Was the pipeline/facility shut down due to the Accident?	Yes
- If No, Explain	
- If Yes, complete Questions 14a and 14b *(use local time, 24-hr clock)*	
14a Local time and date of shutdown	03/11/2015 19 20
14b Local time pipeline/facility restarted	04/25/2015 17 38
- Still shut down? (* Supplemental Report Required)	
15 Did the commodity ignite?	No
16 Did the commodity explode?	No
17 Number of general public evacuated·	0
18 Time sequence *(use local time, 24-hour clock)*	
18a Local time Operator identified Accident - effective 7- 2014 changed to "Local time Operator identified failure"	03/11/2015 19 20
18b Local time Operator resources arrived on site	03/11/2015 19 20
PART B - ADDITIONAL LOCATION INFORMATION	
1 Was the origin of the Accident onshore?	Yes
If Yes, Complete Questions (2-12)	
If No, Complete Questions (13-15)	
- If Onshore:	
2 State	Texas
3 Zip Code	76704
4 City	Not Within a Municipality
5 County or Parish	McLennan
6 Operator-designated location·	Milepost/Valve Station
Specify	54 61
7 Pipeline/Facility name	Hearne to Frost 10" Line
8 Segment name/ID	Line ID 6944
9 Was Accident on Federal land, other than the Outer Continental Shelf (OCS)?	No
10 Location of Accident	Pipeline Right-of-way
11 Area of Accident (as found)	Underground
Specify	Under soil
- If Other, Describe	
Depth-of-Cover (in)	108
12 Did Accident occur in a crossing?	No
- If Yes, specify type below	
- If Bridge crossing –	
Cased/ Uncased	
- If Railroad crossing –	
Cased/ Uncased/ Bored/drilled	
- If Road crossing –	
Cased/ Uncased/ Bored/drilled	
- If Water crossing –	
Cased/ Uncased	
- Name of body of water, if commonly known	
- Approx water depth (ft) at the point of the Accident	
- Select.	
- If Offshore:	
13 Approximate water depth (ft) at the point of the Accident	
14 Origin of Accident	
- In State waters - Specify	
- State	
- Area	
- Block/Tract #	
- Nearest County/Parish	
- On the Outer Continental Shelf (OCS) - Specify	
- Area	
- Block #	
15 Area of Accident	
PART C - ADDITIONAL FACILITY INFORMATION	
1 Is the pipeline or facility	Interstate
2 Part of system involved in Accident.	Onshore Pipeline, Including Valve Sites
- If Onshore Breakout Tank or Storage Vessel, Including Attached Appurtenances, specify	
3 Item involved in Accident	Pipe
- If Pipe, specify	Pipe Body
3a Nominal diameter of pipe (in)	10 75

3b Wall thickness (in)	250
3c SMYS (Specified Minimum Yield Strength) of pipe (psi)	35,000
3d Pipe specification	API 5L
3e Pipe Seam , specify	Longitudinal ERW - Low Frequency
- If Other, Describe	
3f Pipe manufacturer	Youngstown Steel
3g Year of manufacture	1948
3h Pipeline coating type at point of Accident, specify	Coal Tar
- If Other, Describe	
- If Weld, including heat-affected zone, specify If Pipe Girth Weld, 3a through 3h above are required	
- If Other, Describe	
- If Valve, specify	
- If Mainline, specify	
- If Other, Describe	
3i Manufactured by	
3j Year of manufacture	
- If Tank/Vessel, specify	
- If Other - Describe	
- If Other, describe	
4 Year item involved in Accident was installed	1948
5 Material involved in Accident	Carbon Steel
- If Material other than Carbon Steel, specify	
6 Type of Accident Involved	Leak
- If Mechanical Puncture – Specify Approx size	
in (axial) by	
in (circumferential)	
- If Leak - Select Type.	Pinhole
- If Other, Describe	
- If Rupture - Select Orientation	
- If Other, Describe	
Approx size in (widest opening) by	
in (length circumferentially or axially)	
- If Other – Describe	

PART D - ADDITIONAL CONSEQUENCE INFORMATION

1 Wildlife impact	No
1a If Yes, specify all that apply	
- Fish/aquatic	
- Birds	
- Terrestrial	
2 Soil contamination	Yes
3 Long term impact assessment performed or planned	Yes
4 Anticipated remediation	Yes
4a If Yes, specify all that apply	
- Surface water	
- Groundwater	Yes
- Soil	Yes
- Vegetation	
- Wildlife	
5 Water contamination	Yes
5a If Yes, specify all that apply	
- Ocean/Seawater	
- Surface	
- Groundwater	Yes
- Drinking water *(Select one or both)*	
- Private Well	
- Public Water Intake	
5b Estimated amount released in or reaching water (Barrels)	5 00
5c Name of body of water, if commonly known	Unknown
6 At the location of this Accident, had the pipeline segment or facility been identified as one that "could affect" a High Consequence Area (HCA) as determined in the Operator's Integrity Management Program?	No
7 Did the released commodity reach or occur in one or more High Consequence Area (HCA)?	No
7a If Yes, specify HCA type(s) *(Select all that apply)*	
- Commercially Navigable Waterway	
Was this HCA identified in the "could affect" determination for this Accident site in the Operator's	

Integrity Management Program?	
- High Population Area	
Was this HCA identified in the "could affect" determination for this Accident site in the Operator's Integrity Management Program?	
- Other Populated Area	
Was this HCA identified in the "could affect" determination for this Accident site in the Operator's Integrity Management Program?	
- Unusually Sensitive Area (USA) - Drinking Water	
Was this HCA identified in the "could affect" determination for this Accident site in the Operator's Integrity Management Program?	
- Unusually Sensitive Area (USA) - Ecological	
Was this HCA identified in the "could affect" determination for this Accident site in the Operator's Integrity Management Program?	
8 Estimated cost to Operator – effective 12-2012, changed to "Estimated	Property Damage"
8a Estimated cost of public and non-Operator private property damage paid/reimbursed by the Operator – effective 12-2012, "paid/reimbursed by the Operator" removed	$ 125,000
8b Estimated cost of commodity lost	$ 420
8c Estimated cost of Operator's property damage & repairs	$ 87,500
8d Estimated cost of Operator's emergency response	$ 50,000
8e Estimated cost of Operator's environmental remediation	$ 387,750
8f Estimated other costs	$ 0
Describe	
8g Estimated total costs (sum of above) – effective 12-2012, changed to "Total estimated property damage (sum of above)"	$ 650,670

PART E - ADDITIONAL OPERATING INFORMATION

1 Estimated pressure at the point and time of the Accident (psig)	265 00
2 Maximum Operating Pressure (MOP) at the point and time of the Accident (psig)	1,076 00
3 Describe the pressure on the system or facility relating to the Accident (psig)	Pressure did not exceed MOP
4 Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normally allowed by the MOP?	No
- If Yes, Complete 4 a and 4 b below	
4a Did the pressure exceed this established pressure restriction?	
4b Was this pressure restriction mandated by PHMSA or the State?	
5. Was "Onshore Pipeline, Including Valve Sites" OR "Offshore Pipeline, Including Riser and Riser Bend" selected in PART C, Question 2?	Yes
- If Yes - (*Complete 5a – 5f below*) effective 12-2012, changed to "*(Complete 5 a – 5 e below)*"	
5a Type of upstream valve used to initially isolate release source	Remotely Controlled
5b Type of downstream valve used to initially isolate release source	Remotely Controlled
5c Length of segment isolated between valves (ft)	126,720
5d Is the pipeline configured to accommodate internal inspection tools?	Yes
- If No, Which physical features limit tool accommodation? (*select all that apply*)	
- Changes in line pipe diameter	
- Presence of unsuitable mainline valves	
- Tight or mitered pipe bends	
- Other passage restrictions (i e unbarred tee's, projecting instrumentation, etc)	
- Extra thick pipe wall (applicable only for magnetic flux leakage internal inspection tools)	
- Other -	
- If Other, Describe	
5e For this pipeline, are there operational factors which significantly complicate the execution of an internal inspection tool run?	No
- If Yes, Which operational factors complicate execution? (*select all that apply*)	

- Excessive debris or scale, wax, or other wall buildup	
- Low operating pressure(s)	
- Low flow or absence of flow	
- Incompatible commodity	
- Other -	
- If Other, Describe	
5f Function of pipeline system	> 20% SMYS Regulated Trunkline/Transmission
6 Was a Supervisory Control and Data Acquisition (SCADA)-based system in place on the pipeline or facility involved in the Accident?	Yes
If Yes -	
6a Was it operating at the time of the Accident?	Yes
6b Was it fully functional at the time of the Accident?	Yes
6c Did SCADA-based information (such as alarm(s), alert(s), event(s), and/or volume calculations) assist with the detection of the Accident?	No
6d Did SCADA-based information (such as alarm(s), alert(s), event(s), and/or volume calculations) assist with the confirmation of the Accident?	No
7 Was a CPM leak detection system in place on the pipeline or facility involved in the Accident?	Yes
- If Yes	
7a Was it operating at the time of the Accident?	Yes
7b Was it fully functional at the time of the Accident?	Yes
7c Did CPM leak detection system information (such as alarm(s), alert(s), event(s), and/or volume calculations) assist with the detection of the Accident?	No
7d Did CPM leak detection system information (such as alarm(s), alert(s), event(s), and/or volume calculations) assist with the confirmation of the Accident?	No
8 How was the Accident initially identified for the Operator?	Air Patrol
- If Other, Specify	
8a If "Controller", "Local Operating Personnel", including contractors", "Air Patrol", or "Ground Patrol by Operator or its contractor" is selected in Question 8, specify	Contractor working for the Operator
9 Was an investigation initiated into whether or not the controller(s) or control room issues were the cause of or a contributing factor to the Accident?	No, the Operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to (provide an explanation for why the Operator did not investigate)
- If No, the Operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to *(provide an explanation for why the operator did not investigate)*	The leak size was below the thresholds of both the SCADA parameter alarming and CPM system tolerances, and was the result of external corrosion Neither the Control Room nor the Controller on duty caused or contributed to the release
- If Yes, specify investigation result(s) *(select all that apply)*	
- Investigation reviewed work schedule rotations, continuous hours of service (while working for the Operator), and other factors associated with fatigue	
- Investigation did NOT review work schedule rotations, continuous hours of service (while working for the Operator), and other factors associated with fatigue	
Provide an explanation for why not	
- Investigation identified no control room issues	
- Investigation identified no controller issues	
- Investigation identified incorrect controller action or controller error	
- Investigation identified that fatigue may have affected the controller(s) involved or impacted the involved controller(s) response	
- Investigation identified incorrect procedures	
- Investigation identified incorrect control room equipment operation	
- Investigation identified maintenance activities that affected control room operations, procedures, and/or controller response	
- Investigation identified areas other than those above	
Describe	

PART F - DRUG & ALCOHOL TESTING INFORMATION

1 As a result of this Accident, were any Operator employees tested under the post-accident drug and alcohol testing requirements of DOT's Drug & Alcohol Testing regulations?	No
- If Yes	
1a Specify how many were tested	
1b Specify how many failed	
2 As a result of this Accident, were any Operator contractor employees tested under the post-accident drug and alcohol testing requirements of DOT's Drug & Alcohol Testing regulations?	No
- If Yes	
2a Specify how many were tested	
2b Specify how many failed	

PART G – APPARENT CAUSE

Select only one box from PART G in shaded column on left representing the APPARENT Cause of the Accident, and answer the questions on the right. Describe secondary, contributing or root causes of the Accident in the narrative (PART H).

Apparent Cause:	G1 - Corrosion Failure

G1 - Corrosion Failure - only one **sub-cause** can be picked from shaded left-hand column

Corrosion Failure - Sub-Cause:	External Corrosion
- If External Corrosion:	
1 Results of visual examination	Localized Pitting
- If Other, Describe	
2 Type of corrosion *(select all that apply)*	
- Galvanic	Yes
- Atmospheric	
- Stray Current	
- Microbiological	
- Selective Seam	
- Other	
- If Other, Describe	
3 The type(s) of corrosion selected in Question 2 is based on the following *(select all that apply)*	
- Field examination	
- Determined by metallurgical analysis	Yes
- Other	
- If Other, Describe	
4 Was the failed item buried under the ground?	Yes
- If Yes	
☐4a Was failed item considered to be under cathodic protection at the time of the Accident?	Yes
If Yes - Year protection started	1950
4b Was shielding, tenting, or disbonding of coating evident at the point of the Accident?	Yes
4c Has one or more Cathodic Protection Survey been conducted at the point of the Accident?	Yes
If "Yes, CP Annual Survey" – Most recent year conducted	2014
If "Yes, Close Interval Survey" – Most recent year conducted	2008
If "Yes, Other CP Survey" – Most recent year conducted	
- If No	
4d Was the failed item externally coated or painted?	
5 Was there observable damage to the coating or paint in the vicinity of the corrosion?	Yes
- If Internal Corrosion:	
6 Results of visual examination	
- Other	
7 Type of corrosion *(select all that apply)* -	
- Corrosive Commodity	
- Water drop-out/Acid	
- Microbiological	
- Erosion	
- Other	
- If Other, Describe	
8 The cause(s) of corrosion selected in Question 7 is based on the following *(select all that apply)* -	
- Field examination	
- Determined by metallurgical analysis	
- Other	

- If Other, Describe	
9 Location of corrosion *(select all that apply)* -	
- Low point in pipe	
- Elbow	
- Other	
- If Other, Describe	
10 Was the commodity treated with corrosion inhibitors or biocides?	
11 Was the interior coated or lined with protective coating?	
12 Were cleaning/dewatering pigs (or other operations) routinely utilized?	
13 Were corrosion coupons routinely utilized?	
Complete the following if any Corrosion Failure sub-cause is selected AND the "Item Involved in Accident" (from PART C, Question 3) is Tank/Vessel.	
14 List the year of the most recent inspections	
14a API Std 653 Out-of-Service Inspection	
- No Out-of-Service Inspection completed	
14b API Std 653 In-Service Inspection	
- No In-Service Inspection completed	
Complete the following if any Corrosion Failure sub-cause is selected AND the "Item Involved in Accident" (from PART C, Question 3) is Pipe or Weld.	
15 Has one or more internal inspection tool collected data at the point of the Accident?	Yes
15a If Yes, for each tool used, select type of internal inspection tool and indicate most recent year run -	
- Magnetic Flux Leakage Tool	Yes
Most recent year	2001
- Ultrasonic	
Most recent year	
- Geometry	Yes
Most recent year	2005
- Caliper	
Most recent year	
- Crack	
Most recent year	
- Hard Spot	
Most recent year	
- Combination Tool	Yes
Most recent year	2013
- Transverse Field/Triaxial	Yes
Most recent year	2005
- Other	
Most recent year	
Describe	
16 Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident?	Yes
If Yes -	
Most recent year tested	1995
Test pressure	1,345 00
17 Has one or more Direct Assessment been conducted on this segment?	No
- If Yes, and an investigative dig was conducted at the point of the Accident	
Most recent year conducted	
- If Yes, but the point of the Accident was not identified as a dig site	
Most recent year conducted	
18 Has one or more non-destructive examination been conducted at the point of the Accident since January 1, 2002?	No
18a If Yes, for each examination conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted	
- Radiography	
Most recent year conducted	
- Guided Wave Ultrasonic	
Most recent year conducted	
- Handheld Ultrasonic Tool	
Most recent year conducted	
- Wet Magnetic Particle Test	
Most recent year conducted	
- Dry Magnetic Particle Test	
Most recent year conducted	
- Other	
Most recent year conducted	
Describe	

G2 - Natural Force Damage - only one **sub-cause** can be picked from shaded left-handed column	
Natural Force Damage – Sub-Cause:	
- If Earth Movement, NOT due to Heavy Rains/Floods:	
1 Specify	
- If Other, Describe	
- If Heavy Rains/Floods:	
2 Specify	
- If Other, Describe	
- If Lightning:	
3 Specify	
- If Temperature:	
4 Specify	
- If Other, Describe	
- If Other Natural Force Damage:	
5 Describe	
Complete the following if any Natural Force Damage sub-cause is selected.	
6 Were the natural forces causing the Accident generated in conjunction with an extreme weather event?	
6a If Yes, specify *(select all that apply)*	
- Hurricane	
- Tropical Storm	
- Tornado	
- Other	
- If Other, Describe	

G3 - Excavation Damage - only one **sub-cause** can be picked from shaded left-hand column	
Excavation Damage – Sub-Cause:	
- If Previous Damage due to Excavation Activity: Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from PART C, Question 3) is Pipe or Weld.	
1 Has one or more internal inspection tool collected data at the point of the Accident?	
1a If Yes, for each tool used, select type of internal inspection tool and indicate most recent year run -	
- Magnetic Flux Leakage	
Most recent year conducted	
- Ultrasonic	
Most recent year conducted	
- Geometry	
Most recent year conducted	
- Caliper	
Most recent year conducted	
- Crack	
Most recent year conducted	
- Hard Spot	
Most recent year conducted	
- Combination Tool	
Most recent year conducted	
- Transverse Field/Triaxial	
Most recent year conducted	
- Other	
Most recent year conducted	
Describe	
2 Do you have reason to believe that the internal inspection was completed BEFORE the damage was sustained?	
3 Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident?	
- If Yes	
Most recent year tested	
Test pressure (psig)	
4 Has one or more Direct Assessment been conducted on the pipeline segment?	
- If Yes, and an investigative dig was conducted at the point of the Accident	
Most recent year conducted	
- If Yes, but the point of the Accident was not identified as a dig site	
Most recent year conducted	
5. Has one or more non-destructive examination been conducted at the point of the Accident since January 1, 2002?	

5a If Yes, for each examination, conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted	
- Radiography	
Most recent year conducted	
- Guided Wave Ultrasonic	
Most recent year conducted	
- Handheld Ultrasonic Tool	
Most recent year conducted	
- Wet Magnetic Particle Test	
Most recent year conducted	
- Dry Magnetic Particle Test	
Most recent year conducted	
- Other	
Most recent year conducted	
Describe	
Complete the following if Excavation Damage by Third Party is selected as the sub-cause.	
6 Did the operator get prior notification of the excavation activity?	
6a If Yes, Notification received from *(select all that apply)* -	
- One-Call System	
- Excavator	
- Contractor	
- Landowner	
Complete the following mandatory CGA-DIRT Program questions if any Excavation Damage sub-cause is selected.	
7 Do you want PHMSA to upload the following information to CGA-DIRT (www cga-dirt com)?	
8 Right-of-Way where event occurred *(select all that apply)* -	
- Public	
- If "Public", Specify	
- Private	
- If "Private", Specify	
- Pipeline Property/Easement	
- Power/Transmission Line	
- Railroad	
- Dedicated Public Utility Easement	
- Federal Land	
- Data not collected	
- Unknown/Other	
9 Type of excavator	
10 Type of excavation equipment	
11. Type of work performed.	
12 Was the One-Call Center notified?	
12a If Yes, specify ticket number	
12b If this is a State where more than a single One-Call Center exists, list the name of the One-Call Center notified	
13 Type of Locator	
14 Were facility locate marks visible in the area of excavation?	
15. Were facilities marked correctly?	
16 Did the damage cause an interruption in service?	
16a If Yes, specify duration of the interruption (hours)	
17 Description of the CGA-DIRT Root Cause *(select only the one predominant first level CGA-DIRT Root Cause and then, where available as a choice, the one predominant second level CGA-DIRT Root Cause as well)*	
Root Cause	
- If One-Call Notification Practices Not Sufficient, specify	
- If Locating Practices Not Sufficient, specify	
- If Excavation Practices Not Sufficient, specify	
- If Other/None of the Above, explain	
G4 - Other Outside Force Damage - *only one **sub-cause** can be selected from the shaded left-hand column*	
Other Outside Force Damage -- Sub-Cause:	
- If Damage by Car, Truck, or Other Motorized Vehicle/Equipment NOT Engaged in Excavation:	
1 Vehicle/Equipment operated by	
- If Damage by Boats, Barges, Drilling Rigs, or Other Maritime Equipment or Vessels Set Adrift or Which Have Otherwise Lost Their Mooring:	
2 Select one or more of the following IF an extreme weather event was a factor	
- Hurricane	
- Tropical Storm	
- Tornado	

- Heavy Rains/Flood	
- Other	
- If Other, Describe	
- If Previous Mechanical Damage NOT Related to Excavation: Complete Questions 3-7 ONLY IF the "Item Involved in Accident" (from PART C, Question 3) is Pipe or Weld.	
3 Has one or more internal inspection tool collected data at the point of the Accident?	
3a If Yes, for each tool used, select type of internal inspection tool and indicate most recent year run	
- Magnetic Flux Leakage	
Most recent year conducted	
- Ultrasonic	
Most recent year conducted	
- Geometry	
Most recent year conducted	
- Caliper	
Most recent year conducted	
- Crack	
Most recent year conducted	
- Hard Spot	
Most recent year conducted	
- Combination Tool	
Most recent year conducted	
- Transverse Field/Tnaxial	
Most recent year conducted	
- Other	
Most recent year conducted	
Describe	
4 Do you have reason to believe that the internal inspection was completed BEFORE the damage was sustained?	
5 Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident?	
- If Yes	
Most recent year tested	
Test pressure (psig)	
6 Has one or more Direct Assessment been conducted on the pipeline segment?	
- If Yes, and an investigative dig was conducted at the point of the Accident	
Most recent year conducted	
- If Yes, but the point of the Accident was not identified as a dig site	
Most recent year conducted	
7 Has one or more non-destructive examination been conducted at the point of the Accident since January 1, 2002?	
7a If Yes, for each examination conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted	
- Radiography	
Most recent year conducted	
- Guided Wave Ultrasonic	
Most recent year conducted	
- Handheld Ultrasonic Tool	
Most recent year conducted	
- Wet Magnetic Particle Test	
Most recent year conducted	
- Dry Magnetic Particle Test	
Most recent year conducted	
- Other	
Most recent year conducted	
Describe	
- If Intentional Damage:	
8 Specify	
- If Other, Describe	
- If Other Outside Force Damage:	
9 Describe	
G5 - Material Failure of Pipe or Weld - only one **sub-cause** can be selected from the shaded left-hand column	
Use this section to report material failures ONLY IF the "Item Involved in Accident" (from PART C, Question 3) is "Pipe" or "Weld."	
Material Failure of Pipe or Weld – Sub-Cause:	
1 The sub-cause shown above is based on the following *(select all that apply)*	

- Field Examination	
- Determined by Metallurgical Analysis	
- Other Analysis	
- If "Other Analysis", Describe	
- Sub-cause is Tentative or Suspected, Still Under Investigation (Supplemental Report required)	
- If Construction, Installation, or Fabrication-related:	
2 List contributing factors *(select all that apply)*	
- Fatigue or Vibration-related	
Specify	
- If Other, Describe	
- Mechanical Stress	
- Other	
- If Other, Describe	
- If Environmental Cracking-related:	
3 Specify	
- If Other - Describe	
Complete the following if any Material Failure of Pipe or Weld sub-cause is selected.	
4 Additional factors *(select all that apply)*	
- Dent	
- Gouge	
- Pipe Bend	
- Arc Burn	
- Crack	
- Lack of Fusion	
- Lamination	
- Buckle	
- Wrinkle	
- Misalignment	
- Burnt Steel	
- Other	
- If Other, Describe	
5 Has one or more internal inspection tool collected data at the point of the Accident?	
5a If Yes, for each tool used, select type of internal inspection tool and indicate most recent year run	
- Magnetic Flux Leakage	
Most recent year run	
- Ultrasonic	
Most recent year run	
- Geometry	
Most recent year run	
- Caliper	
Most recent year run	
- Crack	
Most recent year run	
- Hard Spot	
Most recent year run	
- Combination Tool	
Most recent year run	
- Transverse Field/Triaxial	
Most recent year run	
- Other	
Most recent year run	
Describe	
6 Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident?	
- If Yes	
Most recent year tested	
Test pressure (psig).	
7 Has one or more Direct Assessment been conducted on the pipeline segment?	
- If Yes, and an investigative dig was conducted at the point of the Accident -	
Most recent year conducted	
- If Yes, but the point of the Accident was not identified as a dig site -	
Most recent year conducted	
8 Has one or more non-destructive examination(s) been conducted at the point of the Accident since January 1, 2002?	
8a If Yes, for each examination conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted -	

- Radiography	
Most recent year conducted	
- Guided Wave Ultrasonic	
Most recent year conducted	
- Handheld Ultrasonic Tool	
Most recent year conducted	
- Wet Magnetic Particle Test	
Most recent year conducted	
- Dry Magnetic Particle Test	
Most recent year conducted	
- Other	
Most recent year conducted	
Describe	
G6 – Equipment Failure - only one **sub-cause** can be selected from the shaded left-hand column	
Equipment Failure – Sub-Cause:	
- If Malfunction of Control/Relief Equipment:	
1 Specify *(select all that apply)* -	
- Control Valve	
- Instrumentation	
- SCADA	
- Communications	
- Block Valve	
- Check Valve	
- Relief Valve	
- Power Failure	
- Stopple/Control Fitting	
- ESD System Failure	
- Other	
- If Other – Describe	
- If Pump or Pump-related Equipment:	
2 Specify	
- If Other – Describe	
- If Threaded Connection/Coupling Failure:	
3 Specify	
- If Other – Describe	
- If Non-threaded Connection Failure:	
4 Specify	
- If Other – Describe	
- If Other Equipment Failure:	
5 Describe	
Complete the following if any Equipment Failure sub-cause is selected.	
6 Additional factors that contributed to the equipment failure *(select all that apply)*	
- Excessive vibration	
- Overpressurization	
- No support or loss of support	
- Manufacturing defect	
- Loss of electricity	
- Improper installation	
- Mismatched items (different manufacturer for tubing and tubing fittings)	
- Dissimilar metals	
- Breakdown of soft goods due to compatibility issues with transported commodity	
- Valve vault or valve can contributed to the release	
- Alarm/status failure	
- Misalignment	
- Thermal stress	
- Other	
- If Other, Describe	
G7 - Incorrect Operation - only one **sub-cause** can be selected from the shaded left-hand column	
Incorrect Operation – Sub-Cause:	

- If Tank, Vessel, or Sump/Separator Allowed or Caused to Overfill or Overflow	
1 Specify	
- If Other, Describe	
- If Other Incorrect Operation	
2 Describe	
Complete the following if any Incorrect Operation sub-cause is selected.	
3 Was this Accident related to *(select all that apply)* -	
- Inadequate procedure	
- No procedure established	
- Failure to follow procedure	
- Other	
- If Other, Describe	
4 What category type was the activity that caused the Accident?	
5 Was the task(s) that led to the Accident identified as a covered task in your Operator Qualification Program?	
5a If Yes, were the individuals performing the task(s) qualified for the task(s)?	

G8 - Other Accident Cause - only one **sub-cause** can be selected from the shaded left-hand column

Other Accident Cause – Sub-Cause:	
- If Miscellaneous:	
1 Describe	
- If Unknown:	
2 Specify	

PART H - NARRATIVE DESCRIPTION OF THE ACCIDENT

Aerial patrol reported sheen on a creek and pond adjacent to the line Magellan personnel responded and conducted an investigation The sheen was confirmed and crews excavated the line A pinhole was identified as the source of leakage The defective pipe was sent to a laboratory for metallurgical analysis which indicated the cause of the leak to be three through-wall pin hole external corrosion pits on a previously installed repair sleeve covering a dent Under the sleeve, a dent containing through-wall internal corrosion was likely the source of the product that leaked out of the repair sleeve The line was shut in and the repairs were made by replacing 2000 feet of pipe with new pipe along with 61 2 miles of pipe being hydro-tested from Waco to Hearne prior to returning the line to service Impacted soil was remediated

2-9-16 Report Updated to amend type of coating as Coal Tar in Part C

PART I - PREPARER AND AUTHORIZED SIGNATURE

Preparer's Name	Kenneth L Lybarger
Preparer's Title	Sr Compliance Coordinator
Preparer's Telephone Number	918-574-7315
Preparer's E-mail Address	ken lybarger@magellanlp com
Preparer's Facsimile Number	918-574-7377
Authorized Signer Name	Kenneth L Lybarger
Authorized Signer Title	Sr Compliance Coordinator
Authorized Signer Telephone Number	918-574-7315
Authorized Signer Email	ken lybarger@magellanlp com
Date	10/05/2016

NOTICE This report is required by 49 CFR Part 195 Failure to report can result in a civil penalty not to exceed $100,000 for each violation for each day that such violation persists except that the maximum civil penalty shall not exceed $1,000,000 as provided in 49 USC 60122		OMB NO 2137-0047 EXPIRATION DATE 12/31/2016
U S Department of Transportation Pipeline and Hazardous Materials Safety Administration	**Original Report Date:**	04/09/2015
	No.	20150132 - 21741 (DOT Use Only)

ACCIDENT REPORT - HAZARDOUS LIQUID PIPELINE SYSTEMS

A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number The OMB Control Number for this information collection is 2137-0047 All responses to the collection of information are mandatory Send comments regarding this burden or any other aspect of this collection of information, including suggestions for reducing the burden to Information Collection Clearance Officer, PHMSA, Office of Pipeline Safety (PHP-30) 1200 New Jersey Avenue, SE, Washington, D C 20590

INSTRUCTIONS

Important: *Please read the separate instructions for completing this form before you begin They clarify the information requested and provide specific examples If you do not have a copy of the instructions, you can obtain one from the PHMSA Pipeline Safety Community Web Page at http://www.phmsa.dot.gov/pipeline/library/forms*

PART A - KEY REPORT INFORMATION

Report Type *(select all that apply)*	**Original:**	**Supplemental:**	**Final:**
		Yes	Yes

Last Revision Date	10/05/2016
1 Operator's OPS-issued Operator Identification Number (OPID)	22610
2 Name of Operator	MAGELLAN PIPELINE COMPANY, LP
3 Address of Operator	
3a Street Address	ONE WILLIAMS CENTER, MD 27 P O. BOX 22186
3b City	TULSA
3c State	Oklahoma
3d Zip Code	74172
4 Local time *(24-hr clock)* and date of the Accident	03/11/2015 19 20
5 Location of Accident	
Latitude	31 54706
Longitude	-97 03784
6 National Response Center Report Number (if applicable)	1110355
7 Local time *(24-hr clock)* and date of initial telephonic report to the National Response Center (if applicable)	03/11/2015 19 31
8 Commodity released *(select only one, based on predominant volume released)*	Refined and/or Petroleum Product (non-HVL) which is a Liquid at Ambient Conditions
- Specify Commodity Subtype	Gasoline (non-Ethanol)
- If "Other" Subtype, Describe	
- If Biofuel/Alternative Fuel and Commodity Subtype is Ethanol Blend, then % Ethanol Blend	
- If Biofuel/Alternative Fuel and Commodity Subtype is Biodiesel, then Biodiesel Blend e g B2, B20, B100	
9 Estimated volume of commodity released unintentionally (Barrels)	25 00
10 Estimated volume of intentional and/or controlled release/blowdown (Barrels)	
11 Estimated volume of commodity recovered (Barrels)	20 00
12 Were there fatalities?	No
- If Yes, specify the number in each category	
12a Operator employees	
12b Contractor employees working for the Operator	
12c Non-Operator emergency responders	
12d Workers working on the right-of-way, but NOT associated with this Operator	
12e General public	
12f Total fatalities (sum of above)	
13 Were there injuries requiring inpatient hospitalization?	No
- If Yes, specify the number in each category	
13a Operator employees	
13b Contractor employees working for the Operator	
13c Non-Operator emergency responders	
13d Workers working on the right-of-way, but NOT associated with this Operator	
13e General public	

13f Total injuries (sum of above)	
14 Was the pipeline/facility shut down due to the Accident?	Yes
- If No, Explain	
- If Yes, complete Questions 14a and 14b *(use local time, 24-hr clock)*	
14a Local time and date of shutdown	03/11/2015 19 20
14b Local time pipeline/facility restarted	04/25/2015 17 38
- Still shut down? (* Supplemental Report Required)	
15 Did the commodity ignite?	No
16 Did the commodity explode?	No
17 Number of general public evacuated	0
18 Time sequence *(use local time, 24-hour clock)*	
18a Local time Operator identified Accident - effective 7- 2014 changed to "Local time Operator identified failure"	03/11/2015 19 20
18b Local time Operator resources arrived on site	03/11/2015 19 20

PART B - ADDITIONAL LOCATION INFORMATION

1 Was the origin of the Accident onshore?	Yes
If Yes, Complete Questions (2-12)	
If No, Complete Questions (13-15)	
- If Onshore:	
2 State	Texas
3 Zip Code	76704
4 City	Not Within a Municipality
5 County or Parish	McLennan
6 Operator-designated location	Milepost/Valve Station
Specify	54 86
7 Pipeline/Facility name	Hearne to Frost 10" Line
8 Segment name/ID	Line ID 6944
9 Was Accident on Federal land, other than the Outer Continental Shelf (OCS)?	No
10 Location of Accident	Pipeline Right-of-way
11 Area of Accident (as found)	Underground
Specify	Under soil
- If Other, Describe	
Depth-of-Cover (in)	108
12. Did Accident occur in a crossing?	No
- If Yes, specify type below	
- If Bridge crossing –	
Cased/ Uncased	
- If Railroad crossing –	
Cased/ Uncased/ Bored/drilled	
- If Road crossing –	
Cased/ Uncased/ Bored/drilled	
- If Water crossing –	
Cased/ Uncased	
- Name of body of water, if commonly known	
- Approx water depth (ft) at the point of the Accident	
- Select	
- If Offshore:	
13 Approximate water depth (ft) at the point of the Accident	
14 Origin of Accident	
- In State waters - Specify	
- State	
- Area	
- Block/Tract #	
- Nearest County/Parish	
- On the Outer Continental Shelf (OCS) - Specify	
- Area	
- Block #	
15 Area of Accident	

PART C - ADDITIONAL FACILITY INFORMATION

1 Is the pipeline or facility	Interstate
2 Part of system involved in Accident	Onshore Pipeline, Including Valve Sites
- If Onshore Breakout Tank or Storage Vessel, Including Attached Appurtenances, specify	
3 Item involved in Accident	Pipe
- If Pipe, specify	Pipe Seam
3a Nominal diameter of pipe (in)	10 75

3b Wall thickness (in)	250
3c SMYS (Specified Minimum Yield Strength) of pipe (psi)	35,000
3d Pipe specification	API 5L
3e Pipe Seam , specify	Longitudinal ERW - Low Frequency
- If Other, Describe	
3f Pipe manufacturer	Youngstown Steel
3g Year of manufacture	1948
3h Pipeline coating type at point of Accident, specify	Coal Tar
- If Other, Describe	
- If Weld, including heat-affected zone, specify If Pipe Girth Weld, 3a through 3h above are required	
- If Other, Describe	
- If Valve, specify	
- If Mainline, specify	
- If Other, Describe	
3i Manufactured by	
3j Year of manufacture	
- If Tank/Vessel, specify	
- If Other - Describe	
- If Other, describe	
4 Year item involved in Accident was installed	1948
5 Material involved in Accident	Carbon Steel
- If Material other than Carbon Steel, specify	
6 Type of Accident Involved	Leak
- If Mechanical Puncture – Specify Approx size	
in (axial) by	
in (circumferential)	
- If Leak - Select Type	Pinhole
- If Other, Describe	
- If Rupture - Select Orientation	
- If Other, Describe	
Approx size in (widest opening) by	
in (length circumferentially or axially)	
- If Other – Describe	
PART D - ADDITIONAL CONSEQUENCE INFORMATION	
1 Wildlife impact	No
1a If Yes, specify all that apply	
- Fish/aquatic	
- Birds	
- Terrestrial	
2 Soil contamination	Yes
3 Long term impact assessment performed or planned	Yes
4 Anticipated remediation	Yes
4a If Yes, specify all that apply	
- Surface water	
- Groundwater	Yes
- Soil	Yes
- Vegetation	
- Wildlife	
5 Water contamination	Yes
5a If Yes, specify all that apply	
- Ocean/Seawater	
- Surface	
- Groundwater	Yes
- Drinking water *(Select one or both)*	
- Private Well	
- Public Water Intake	
5b Estimated amount released in or reaching water (Barrels)	5 00
5c Name of body of water, if commonly known	Unknown
6 At the location of this Accident, had the pipeline segment or facility been identified as one that "could affect" a High Consequence Area (HCA) as determined in the Operator's Integrity Management Program?	No
7 Did the released commodity reach or occur in one or more High Consequence Area (HCA)?	No
7a If Yes, specify HCA type(s) *(Select all that apply)*	
- Commercially Navigable Waterway	
Was this HCA identified in the "could affect" determination for this Accident site in the Operator's	

Integrity Management Program?	
- High Population Area	
Was this HCA identified in the "could affect" determination for this Accident site in the Operator's Integrity Management Program?	
- Other Populated Area	
Was this HCA identified in the "could affect" determination for this Accident site in the Operator's Integrity Management Program?	
- Unusually Sensitive Area (USA) - Drinking Water	
Was this HCA identified in the "could affect" determination for this Accident site in the Operator's Integrity Management Program?	
- Unusually Sensitive Area (USA) - Ecological	
Was this HCA identified in the "could affect" determination for this Accident site in the Operator's Integrity Management Program?	
8 Estimated cost to Operator – effective 12-2012, changed to "Estimated Property Damage"	
8a Estimated cost of public and non-Operator private property damage paid/reimbursed by the Operator – effective 12-2012, "paid/reimbursed by the Operator" removed	$ 125,000
8b Estimated cost of commodity lost	$ 210
8c Estimated cost of Operator's property damage & repairs	$ 87,500
8d Estimated cost of Operator's emergency response	$ 50,000
8e Estimated cost of Operator's environmental remediation	$ 387,755
8f Estimated other costs	$ 0
Describe	
8g Estimated total costs (sum of above) – effective 12-2012, changed to "Total estimated property damage (sum of above)"	$ 650,465

PART E - ADDITIONAL OPERATING INFORMATION

1 Estimated pressure at the point and time of the Accident (psig)	265.00
2 Maximum Operating Pressure (MOP) at the point and time of the Accident (psig)	1,076 00
3 Describe the pressure on the system or facility relating to the Accident (psig)	Pressure did not exceed MOP
4 Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normally allowed by the MOP?	No
- If Yes, Complete 4 a and 4.b below	
4a Did the pressure exceed this established pressure restriction?	
4b Was this pressure restriction mandated by PHMSA or the State?	
5 Was "Onshore Pipeline, Including Valve Sites" OR "Offshore Pipeline, Including Riser and Riser Bend" selected in PART C, Question 2?	Yes
- If Yes - (*Complete 5a – 5f below*) effective 12-2012, changed to "(*Complete 5 a – 5.e below*)"	
5a Type of upstream valve used to initially isolate release source	Remotely Controlled
5b Type of downstream valve used to initially isolate release source	Remotely Controlled
5c Length of segment isolated between valves (ft)	126,720
5d Is the pipeline configured to accommodate internal inspection tools?	Yes
- If No, Which physical features limit tool accommodation? (*select all that apply*)	
- Changes in line pipe diameter	
- Presence of unsuitable mainline valves	
- Tight or mitered pipe bends	
- Other passage restrictions (i.e unbarred tee's, projecting instrumentation, etc)	
- Extra thick pipe wall (applicable only for magnetic flux leakage internal inspection tools)	
- Other -	
- If Other, Describe	
5e For this pipeline, are there operational factors which significantly complicate the execution of an internal inspection tool run?	No
- If Yes, Which operational factors complicate execution? (*select all that apply*)	

- Excessive debris or scale, wax, or other wall buildup	
- Low operating pressure(s)	
- Low flow or absence of flow	
- Incompatible commodity	
- Other -	
- If Other, Describe	
5f Function of pipeline system	> 20% SMYS Regulated Trunkline/Transmission
6 Was a Supervisory Control and Data Acquisition (SCADA)-based system in place on the pipeline or facility involved in the Accident?	Yes
If Yes -	
6a Was it operating at the time of the Accident?	Yes
6b Was it fully functional at the time of the Accident?	Yes
6c Did SCADA-based information (such as alarm(s), alert(s), event(s), and/or volume calculations) assist with the detection of the Accident?	No
6d Did SCADA-based information (such as alarm(s), alert(s), event(s), and/or volume calculations) assist with the confirmation of the Accident?	No
7 Was a CPM leak detection system in place on the pipeline or facility involved in the Accident?	Yes
- If Yes	
7a Was it operating at the time of the Accident?	Yes
7b Was it fully functional at the time of the Accident?	Yes
7c Did CPM leak detection system information (such as alarm(s), alert(s), event(s), and/or volume calculations) assist with the detection of the Accident?	No
7d Did CPM leak detection system information (such as alarm(s), alert(s), event(s), and/or volume calculations) assist with the confirmation of the Accident?	No
8 How was the Accident initially identified for the Operator?	Air Patrol
- If Other, Specify	
8a If "Controller", "Local Operating Personnel", including contractors", "Air Patrol", or "Ground Patrol by Operator or its contractor" is selected in Question 8, specify	Contractor working for the Operator
9 Was an investigation initiated into whether or not the controller(s) or control room issues were the cause of or a contributing factor to the Accident?	No, the Operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to (provide an explanation for why the Operator did not investigate)
- If No, the Operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to *(provide an explanation for why the operator did not investigate)*	The leak size was below the thresholds of both the SCADA parameter alarming and CPM system tolerances Neither the Control Room nor the Controller on duty caused or contributed to the release
- If Yes, specify investigation result(s) *(select all that apply)*	
- Investigation reviewed work schedule rotations, continuous hours of service (while working for the Operator), and other factors associated with fatigue	
- Investigation did NOT review work schedule rotations, continuous hours of service (while working for the Operator), and other factors associated with fatigue	
Provide an explanation for why not	
- Investigation identified no control room issues	
- Investigation identified no controller issues	
- Investigation identified incorrect controller action or controller error	
- Investigation identified that fatigue may have affected the controller(s) involved or impacted the involved controller(s) response	
- Investigation identified incorrect procedures	
- Investigation identified incorrect control room equipment operation	
- Investigation identified maintenance activities that affected control room operations, procedures, and/or controller response	
- Investigation identified areas other than those above	
Describe	
PART F - DRUG & ALCOHOL TESTING INFORMATION	

1 As a result of this Accident, were any Operator employees tested under the post-accident drug and alcohol testing requirements of DOT's Drug & Alcohol Testing regulations?	No
- If Yes	
1a Specify how many were tested	
1b Specify how many failed	
2 As a result of this Accident, were any Operator contractor employees tested under the post-accident drug and alcohol testing requirements of DOT's Drug & Alcohol Testing regulations?	No
- If Yes	
2a Specify how many were tested	
2b Specify how many failed	

PART G – APPARENT CAUSE

Select only one box from PART G in shaded column on left representing the APPARENT Cause of the Accident, and answer the questions on the right. Describe secondary, contributing or root causes of the Accident in the narrative (PART H).

Apparent Cause:	G1 - Corrosion Failure

G1 - Corrosion Failure - only one **sub-cause** can be picked from shaded left-hand column

Corrosion Failure – Sub-Cause:	External Corrosion
- If External Corrosion:	
1 Results of visual examination	Localized Pitting
- If Other, Describe	
2 Type of corrosion *(select all that apply)*	
- Galvanic	Yes
- Atmospheric	
- Stray Current	
- Microbiological	
- Selective Seam	Yes
- Other	
- If Other, Describe	
3 The type(s) of corrosion selected in Question 2 is based on the following *(select all that apply)*	
- Field examination	Yes
- Determined by metallurgical analysis	Yes
- Other	
- If Other, Describe	
4 Was the failed item buried under the ground?	Yes
- If Yes	
☐4a Was failed item considered to be under cathodic protection at the time of the Accident?	Yes
If Yes - Year protection started	1950
4b Was shielding, tenting, or disbonding of coating evident at the point of the Accident?	Yes
4c Has one or more Cathodic Protection Survey been conducted at the point of the Accident?	Yes
If "Yes, CP Annual Survey" – Most recent year conducted	2014
If "Yes, Close Interval Survey" – Most recent year conducted	2008
If "Yes, Other CP Survey" – Most recent year conducted	
- If No	
4d Was the failed item externally coated or painted?	
5 Was there observable damage to the coating or paint in the vicinity of the corrosion?	Yes
- If Internal Corrosion:	
6 Results of visual examination	
- Other	
7 Type of corrosion *(select all that apply)* -	
- Corrosive Commodity	
- Water drop-out/Acid	
- Microbiological	
- Erosion	
- Other	
- If Other, Describe	
8 The cause(s) of corrosion selected in Question 7 is based on the following *(select all that apply)* -	
- Field examination	
- Determined by metallurgical analysis	
- Other	

- If Other, Describe	
9 Location of corrosion *(select all that apply)* -	
- Low point in pipe	
- Elbow	
- Other	
- If Other, Describe	
10 Was the commodity treated with corrosion inhibitors or biocides?	
11 Was the interior coated or lined with protective coating?	
12 Were cleaning/dewatering pigs (or other operations) routinely utilized?	
13 Were corrosion coupons routinely utilized?	
Complete the following if any Corrosion Failure sub-cause is selected AND the "Item Involved in Accident" (from PART C, Question 3) is Tank/Vessel.	
14 List the year of the most recent inspections	
14a API Std 653 Out-of-Service Inspection	
- No Out-of-Service Inspection completed	
14b API Std 653 In-Service Inspection	
- No In-Service Inspection completed	
Complete the following if any Corrosion Failure sub-cause is selected AND the "Item Involved in Accident" (from PART C, Question 3) is Pipe or Weld.	
15 Has one or more internal inspection tool collected data at the point of the Accident?	Yes
15a If Yes, for each tool used, select type of internal inspection tool and indicate most recent year run -	
- Magnetic Flux Leakage Tool	Yes
Most recent year	2001
- Ultrasonic	
Most recent year	
- Geometry	Yes
Most recent year	2005
- Caliper	
Most recent year	
- Crack	
Most recent year	
- Hard Spot	
Most recent year	
- Combination Tool	Yes
Most recent year	2013
- Transverse Field/Triaxial	Yes
Most recent year	2005
- Other	
Most recent year	
Describe	
16 Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident?	Yes
If Yes -	
Most recent year tested	1995
Test pressure	1,345 00
17 Has one or more Direct Assessment been conducted on this segment?	No
- If Yes, and an investigative dig was conducted at the point of the Accident	
Most recent year conducted	
- If Yes, but the point of the Accident was not identified as a dig site	
Most recent year conducted	
18 Has one or more non-destructive examination been conducted at the point of the Accident since January 1, 2002?	No
18a If Yes, for each examination conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted	
- Radiography	
Most recent year conducted	
- Guided Wave Ultrasonic	
Most recent year conducted	
- Handheld Ultrasonic Tool	
Most recent year conducted	
- Wet Magnetic Particle Test	
Most recent year conducted	
- Dry Magnetic Particle Test	
Most recent year conducted	
- Other	
Most recent year conducted	
Describe	

G2 - Natural Force Damage - only one **sub-cause** can be picked from shaded left-handed column	
Natural Force Damage – Sub-Cause:	
- If Earth Movement, NOT due to Heavy Rains/Floods:	
1 Specify	
- If Other, Describe	
- If Heavy Rains/Floods:	
2 Specify	
- If Other, Describe	
- If Lightning:	
3 Specify	
- If Temperature:	
4 Specify	
- If Other, Describe	
- If Other Natural Force Damage:	
5 Describe	
Complete the following if any Natural Force Damage sub-cause is selected.	
6 Were the natural forces causing the Accident generated in conjunction with an extreme weather event?	
6a If Yes, specify *(select all that apply)*	
- Hurricane	
- Tropical Storm	
- Tornado	
- Other	
- If Other, Describe	
G3 - Excavation Damage - only one **sub-cause** can be picked from shaded left-hand column	
Excavation Damage – Sub-Cause:	
- If Previous Damage due to Excavation Activity: Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from PART C, Question 3) is Pipe or Weld.	
1 Has one or more internal inspection tool collected data at the point of the Accident?	
1a If Yes, for each tool used, select type of internal inspection tool and indicate most recent year run -	
- Magnetic Flux Leakage	
Most recent year conducted	
- Ultrasonic	
Most recent year conducted	
- Geometry	
Most recent year conducted	
- Caliper	
Most recent year conducted	
- Crack	
Most recent year conducted	
- Hard Spot	
Most recent year conducted	
- Combination Tool	
Most recent year conducted	
- Transverse Field/Triaxial	
Most recent year conducted	
- Other	
Most recent year conducted	
Describe	
2 Do you have reason to believe that the internal inspection was completed BEFORE the damage was sustained?	
3 Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident?	
- If Yes	
Most recent year tested	
Test pressure (psig)	
4 Has one or more Direct Assessment been conducted on the pipeline segment?	
- If Yes, and an investigative dig was conducted at the point of the Accident	
Most recent year conducted	
- If Yes, but the point of the Accident was not identified as a dig site	
Most recent year conducted	
5 Has one or more non-destructive examination been conducted at the point of the Accident since January 1, 2002?	

5a If Yes, for each examination, conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted	
- Radiography	
Most recent year conducted	
- Guided Wave Ultrasonic	
Most recent year conducted	
- Handheld Ultrasonic Tool	
Most recent year conducted	
- Wet Magnetic Particle Test	
Most recent year conducted	
- Dry Magnetic Particle Test	
Most recent year conducted	
- Other	
Most recent year conducted	
Describe	
Complete the following if Excavation Damage by Third Party is selected as the sub-cause.	
6 Did the operator get prior notification of the excavation activity?	
6a If Yes, Notification received from *(select all that apply)* -	
- One-Call System	
- Excavator	
- Contractor	
- Landowner	
Complete the following mandatory CGA-DIRT Program questions if any Excavation Damage sub-cause is selected.	
7 Do you want PHMSA to upload the following information to CGA-DIRT (www cga-dirt com)?	
8 Right-of-Way where event occurred *(select all that apply)* -	
- Public	
- If "Public", Specify	
- Private	
- If "Private", Specify	
- Pipeline Property/Easement	
- Power/Transmission Line	
- Railroad	
- Dedicated Public Utility Easement	
- Federal Land	
- Data not collected	
- Unknown/Other	
9 Type of excavator	
10 Type of excavation equipment	
11 Type of work performed	
12 Was the One-Call Center notified?	
12a. If Yes, specify ticket number	
12b If this is a State where more than a single One-Call Center exists, list the name of the One-Call Center notified	
13 Type of Locator	
14 Were facility locate marks visible in the area of excavation?	
15 Were facilities marked correctly?	
16 Did the damage cause an interruption in service?	
16a If Yes, specify duration of the interruption (hours)	
17 Description of the CGA-DIRT Root Cause *(select only the one predominant first level CGA-DIRT Root Cause and then, where available as a choice, the one predominant second level CGA-DIRT Root Cause as well)*	
Root Cause	
- If One-Call Notification Practices Not Sufficient, specify	
- If Locating Practices Not Sufficient, specify	
- If Excavation Practices Not Sufficient, specify	
- If Other/None of the Above, explain	
G4 - Other Outside Force Damage - *only one **sub-cause** can be selected from the shaded left-hand column*	
Other Outside Force Damage – Sub-Cause:	
- If Damage by Car, Truck, or Other Motorized Vehicle/Equipment NOT Engaged in Excavation:	
1 Vehicle/Equipment operated by	
- If Damage by Boats, Barges, Drilling Rigs, or Other Maritime Equipment or Vessels Set Adrift or Which Have Otherwise Lost Their Mooring:	
2 Select one or more of the following IF an extreme weather event was a factor	
- Hurricane	
- Tropical Storm	
- Tornado	

- Heavy Rains/Flood	
- Other	
- If Other, Describe	
- If Previous Mechanical Damage NOT Related to Excavation: Complete Questions 3-7 ONLY IF the "Item Involved in Accident" (from PART C, Question 3) is Pipe or Weld.	
3 Has one or more internal inspection tool collected data at the point of the Accident?	
3a If Yes, for each tool used, select type of internal inspection tool and indicate most recent year run	
- Magnetic Flux Leakage	
Most recent year conducted	
- Ultrasonic	
Most recent year conducted	
- Geometry	
Most recent year conducted	
- Caliper	
Most recent year conducted	
- Crack	
Most recent year conducted.	
- Hard Spot	
Most recent year conducted	
- Combination Tool	
Most recent year conducted	
- Transverse Field/Triaxial	
Most recent year conducted	
- Other	
Most recent year conducted	
Describe	
4 Do you have reason to believe that the internal inspection was completed BEFORE the damage was sustained?	
5 Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident?	
- If Yes	
Most recent year tested	
Test pressure (psig)	
6 Has one or more Direct Assessment been conducted on the pipeline segment?	
- If Yes, and an investigative dig was conducted at the point of the Accident.	
Most recent year conducted	
- If Yes, but the point of the Accident was not identified as a dig site	
Most recent year conducted	
7 Has one or more non-destructive examination been conducted at the point of the Accident since January 1, 2002?	
7a If Yes, for each examination conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted	
- Radiography	
Most recent year conducted	
- Guided Wave Ultrasonic	
Most recent year conducted	
- Handheld Ultrasonic Tool	
Most recent year conducted	
- Wet Magnetic Particle Test	
Most recent year conducted	
- Dry Magnetic Particle Test	
Most recent year conducted	
- Other	
Most recent year conducted	
Describe	
- If Intentional Damage:	
8 Specify	
- If Other, Describe	
- If Other Outside Force Damage:	
9 Describe	
G5 - Material Failure of Pipe or Weld - only one **sub-cause** can be selected from the shaded left-hand column	
Use this section to report material failures ONLY IF the "Item Involved in Accident" (from PART C, Question 3) is "Pipe" or "Weld."	
Material Failure of Pipe or Weld – Sub-Cause:	
1 The sub-cause shown above is based on the following *(select all that apply)*	

- Field Examination	
- Determined by Metallurgical Analysis	
- Other Analysis	
- If "Other Analysis", Describe	
- Sub-cause is Tentative or Suspected, Still Under Investigation (Supplemental Report required)	
- If Construction, Installation, or Fabrication-related:	
2 List contributing factors *(select all that apply)*	
- Fatigue or Vibration-related	
Specify	
- If Other, Describe	
- Mechanical Stress	
- Other	
- If Other, Describe	
- If Environmental Cracking-related:	
3 Specify	
- If Other - Describe	
Complete the following if any Material Failure of Pipe or Weld sub-cause is selected.	
4 Additional factors *(select all that apply)*	
- Dent	
- Gouge	
- Pipe Bend	
- Arc Burn	
- Crack	
- Lack of Fusion	
- Lamination	
- Buckle	
- Wrinkle	
- Misalignment	
- Burnt Steel	
- Other	
- If Other, Describe	
5 Has one or more internal inspection tool collected data at the point of the Accident?	
5a If Yes, for each tool used, select type of internal inspection tool and indicate most recent year run	
- Magnetic Flux Leakage	
Most recent year run	
- Ultrasonic	
Most recent year run	
- Geometry	
Most recent year run	
- Caliper	
Most recent year run	
- Crack	
Most recent year run	
- Hard Spot	
Most recent year run	
- Combination Tool	
Most recent year run	
- Transverse Field/Triaxial	
Most recent year run	
- Other	
Most recent year run	
Describe	
6 Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident?	
- If Yes	
Most recent year tested	
Test pressure (psig)	
7 Has one or more Direct Assessment been conducted on the pipeline segment?	
- If Yes, and an investigative dig was conducted at the point of the Accident -	
Most recent year conducted	
- If Yes, but the point of the Accident was not identified as a dig site -	
Most recent year conducted	
8 Has one or more non-destructive examination(s) been conducted at the point of the Accident since January 1, 2002?	
8a If Yes, for each examination conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted -	

- Radiography	
Most recent year conducted	
- Guided Wave Ultrasonic	
Most recent year conducted	
- Handheld Ultrasonic Tool	
Most recent year conducted	
- Wet Magnetic Particle Test	
Most recent year conducted	
- Dry Magnetic Particle Test	
Most recent year conducted	
- Other	
Most recent year conducted	
Describe	
G6 – Equipment Failure - only one **sub-cause** can be selected from the shaded left-hand column	
Equipment Failure – Sub-Cause:	
- If Malfunction of Control/Relief Equipment:	
1 Specify *(select all that apply)* -	
- Control Valve	
- Instrumentation	
- SCADA	
- Communications	
- Block Valve	
- Check Valve	
- Relief Valve	
- Power Failure	
- Stopple/Control Fitting	
- ESD System Failure	
- Other	
- If Other – Describe	
- If Pump or Pump-related Equipment:	
2 Specify	
- If Other – Describe	
- If Threaded Connection/Coupling Failure:	
3 Specify	
- If Other – Describe	
- If Non-threaded Connection Failure:	
4 Specify	
- If Other – Describe	
- If Other Equipment Failure:	
5 Describe	
Complete the following if any Equipment Failure sub-cause is selected.	
6 Additional factors that contributed to the equipment failure *(select all that apply)*	
- Excessive vibration	
- Overpressurization	
- No support or loss of support	
- Manufacturing defect	
- Loss of electricity	
- Improper installation	
- Mismatched items (different manufacturer for tubing and tubing fittings)	
- Dissimilar metals	
- Breakdown of soft goods due to compatibility issues with transported commodity	
- Valve vault or valve can contributed to the release	
- Alarm/status failure	
- Misalignment	
- Thermal stress	
- Other	
- If Other, Describe	
G7 - Incorrect Operation - only one **sub-cause** can be selected from the shaded left-hand column	
Incorrect Operation – Sub-Cause:	

- If Tank, Vessel, or Sump/Separator Allowed or Caused to Overfill or Overflow	
1 Specify	
- If Other, Describe	
- If Other Incorrect Operation	
2 Describe	
Complete the following if any Incorrect Operation sub-cause is selected.	
3 Was this Accident related to *(select all that apply)* -	
- Inadequate procedure	
- No procedure established	
- Failure to follow procedure	
- Other	
- If Other, Describe	
4 What category type was the activity that caused the Accident?	
5 Was the task(s) that led to the Accident identified as a covered task in your Operator Qualification Program?	
5a If Yes, were the individuals performing the task(s) qualified for the task(s)?	
G8 - Other Accident Cause - only one **sub-cause** can be selected from the shaded left-hand column	
Other Accident Cause – Sub-Cause:	
- If Miscellaneous:	
1 Describe	
- If Unknown:	
2 Specify	

PART H - NARRATIVE DESCRIPTION OF THE ACCIDENT

Aerial patrol reported sheen on a creek and pond adjacent to the line Magellan personnel responded and conducted an investigation The sheen was confirmed and crews excavated the line A pinhole in the longitudinal seam was identified as the source of leakage The defective pipe was sent to a laboratory for metallurgical analysis which identified the cause to be preferential ERW seam corrosion within an area of external corrosion The line was shut in and the repair was made by replacing 2000 feet of pipe with new pipe along with 61 2 miles of pipe being hydro-tested from Waco to Hearne prior to returning the line to service Impacted soil will be remediated

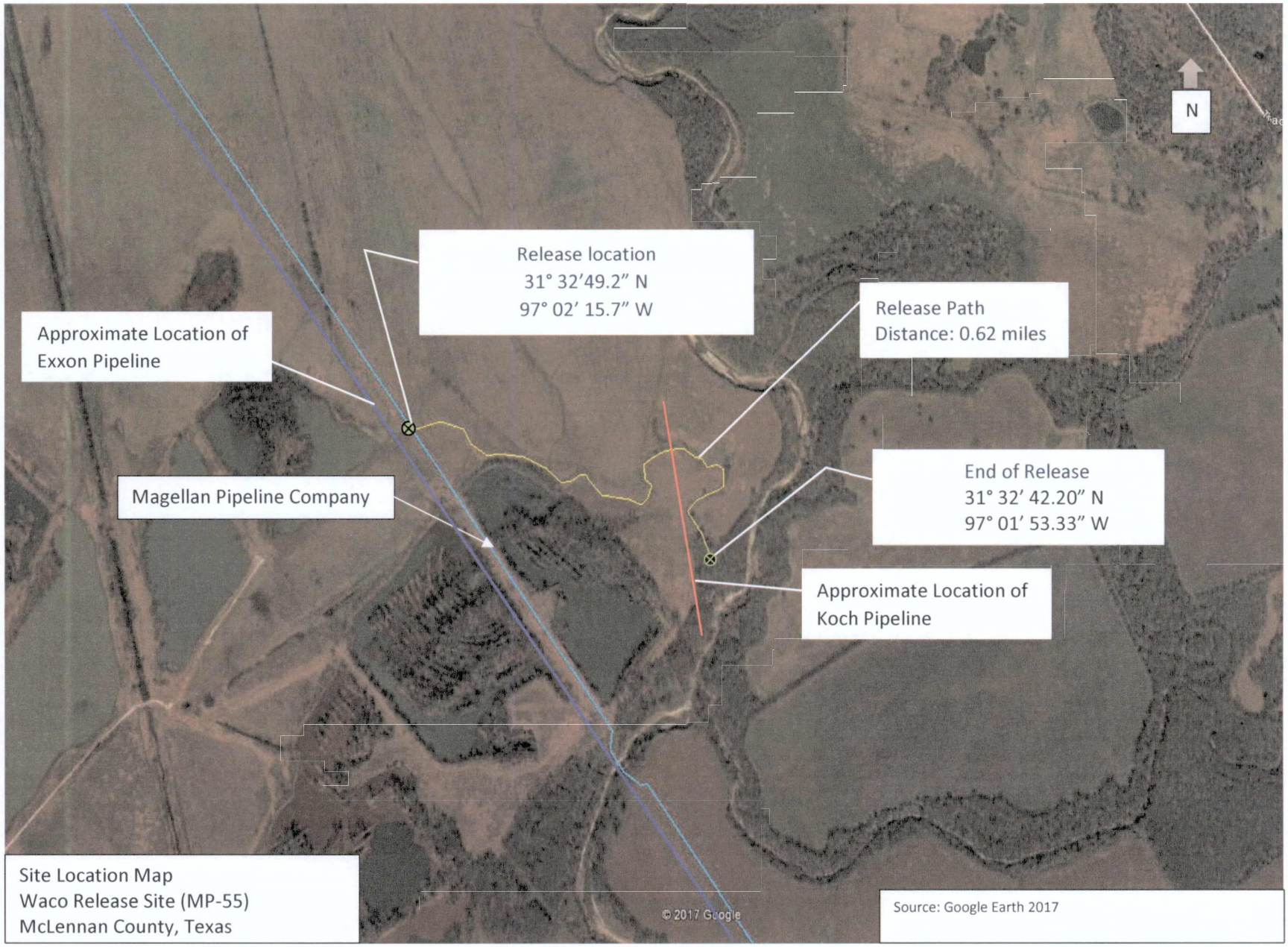
PART I - PREPARER AND AUTHORIZED SIGNATURE

Preparer's Name	Kenneth L Lybarger
Preparer's Title	Sr Compliance Coordinator
Preparer's Telephone Number	918-574-7315
Preparer's E-mail Address	ken lybarger@magellanlp com
Preparer's Facsimile Number	918-574-7377
Authorized Signer Name	Kenneth L Lybarger
Authorized Signer Title	Sr Compliance Coordinator
Authorized Signer Telephone Number	918-574-7315
Authorized Signer Email	ken lybarger@magellanlp com
Date	10/05/2016

ATTACHMENT C

ATTACHMENT C

Site Location Map



Site Location Map
Waco Release Site (MP-55)
McLennan County, Texas

Source: Google Earth 2017

ATTACHMENT D

ATTACHMENT D

Site Photographs

Site: Waco, McLennan County, Texas (MP-55)
Release date: March 11, 2015

Photo 1: View of grass impact along flow path to the east-southeast of the release. Photograph dated March 19, 2015

Photo 2: View of cleanup in progress of the impacted grass located east-southeast of the release site. Photograph dated March 20, 2015

Photo 3: View following the cleanup of the impacted grass located east-southeast of the release site. Photograph dated March 20, 2015

Photo 4: View following the surface scraping of previously impacted vegetation located to the east-southeast of the release site. Photograph dated April 21, 2015

Photo 5: View of impacted grass prior to clearing located east of the release near Boom1. Photograph dated on March 19, 2015

Photo 6: View following the grass clearing of the area located east of the release site near Boom 1. Photograph dated March 20, 2015

Photo 6: View following the surface scraping of previously impacted vegetation located east of the release site near Boom 1. Photograph dated April 21, 2015

Photo 7: View of flow path to the east-southeast of the release site. Photograph dated March 27, 2015.

Photo 8: View of area located to the east-southeast of the release site following surface scraping of previously impacted vegetation. Photograph dated April 21, 2015.