MRD ATTENDANCE FORM

TITLE/SUBJECT: Gas Con Splitter Leak

DATE: 2/2 **TO:**
TIME: 1245 **TO:**

SESSION NUMBER:

COMPLEX/AREA/DEPT: AMT

TYPE:
- ☐ Training & Development Topic
- ☐ What If
- ☐ Sequential
- ☐ Other _____
- ☐ General Safety Topic
- ☐ General Environmental Topic
- ☐ General Energy Topic

INSTRUCTOR NAME:
INSTRUCTOR SIGNATURE:

T&D ONLY
AREA CODE:
SUBJECT CODE:
COURSE CODE:

	Employee ID	PRINTED NAME	SIGNATURE
1	951121	Dynita McCaskill	
2	796377	ALVIN BROWN	
3	675879	D. FRANCIS	
4	833200	Joe Reidy	
5	383863	JOHN UMIN	
6	818207	John Nicolson	
7		GRACE POLING	
8	383850	Jason Dolinski	
9	981130	Justin Tinsley	
10	269004	RAY RICHARDSON	
11	782185	DOUG PEK	
12	881517	Grace Poling	
13	~~875800~~	~~[illegible]~~	
14	875800	JON MOUHOT	
15	859893	Kay Bedenis	
16	603281	Kevin Lepak	
17	310210	Jeff Wolke	
18	820230	ADRIAN DARZO	
19	779763	John Taggart	
20	999275	Aaron O'Connor	
21		Bill Kirkland / Nick Scarzelli	
22			
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Completed forms must be promptly delivered to the Training Center.

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INSTRUMENT CALIBRATION CHECK

Calibration Results must be in the following range: O_2: 16 % to 19 % MultiRae and AreaRae Plus

LEL: 40 % to 60 % O_2: < .5 % (Area Rae) (99.99% Nitrogen VOC 80 ppm to 120 ppm

H_2S: 10ppm 8 ppm to 12 Other: CO 40 ppm to 60 ppm

ppm Other: SO2 4 ppm to 6 Other: NH3 40 ppm to 60 ppm

If instruments cannot be calibrated to the above manufacturer's listed ranges, the instrument must be taken out of service and repaired.

Instrument ID	Date	Time	Calibration Results	Calibrated by:	Comments
unit4	1/31/19		LEL PASS % O_2 PASS % VOC Pass ppm SO2 Pass ppm H_2S Pass ppm CO PASS ppm	JR	
unit 07	2/2/19	1:07	LEL 40 % O_2 20.9 % VOC 110 ppm ___ ppm H_2S 9 ppm ___ ppm	DF	[illegible]
03	2/2/19	1:30	LEL 45 % O_2 20.4 % VOC 90 ppm SO2 4.2 ppm H_2S 11 ppm ___ ppm	DF	
24	2/2/19	2:34	LEL 49 % O_2 ___ % VOC 106 ppm CO 53 ppm H_2S 10 ppm ___ ppm	JDW	
38	2/2/19		LEL 50 % O_2 20.9 % VOC 99 ppm CO 40 ppm H_2S 11 ppm ___ ppm	JDW	
20	2/2/19		LEL 47 % O_2 20.9 % VOC 100 ppm ___ ppm H_2S 10 ppm ___ ppm	JDW	
25	2/2/19		LEL 45 % O_2 ___ % VOC 100 ppm CO 45 ppm H_2S 10 ppm ___ ppm	JDW	

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LEL: 40 % to 60 % 0_2: < .5 % (Area Rae) (99.99% Nitrogen VOC 80 ppm to 120 ppm

H_2S: 10ppm 8 ppm to 12 Other: CO 40 ppm to 60 ppm

ppm Other: SO2 4 ppm to 6 Other: NH3 40 ppm to 60 ppm

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Instrument ID	Date	Time	Calibration Results	Calibrated by:	Comments
Unit 6	2/2/19	2:02 PM	LEL 0 % 0_2 20.9 % VOC 0.9 ppm NH3 1 ppm H_2S 0 ppm CO 0 ppm	KB	PASS
Unit 14	2/2/19	2:22 PM	LEL ✓ % 0_2 ✓ % VOC PASS ppm 5% PASS ppm H_2S ✓ ppm CO ✓ ppm	KB	PASS
Unit 5	2/2/19	2:20	LEL ____ % 0_2 ____ % VOC ____ ppm ____ ppm H_2S ____ ppm ____ ppm	KB	FAIL
~~Unit 24~~	~~2/2/19~~	~~2:25 PM~~	LEL 50 % 0_2 20.9 % VOC ____ ppm ____ ppm H_2S 10 ppm ____ ppm		
			LEL ____ % 0_2 ____ % VOC ____ ppm ____ ppm H_2S ____ ppm ____ ppm		
			LEL ____ % 0_2 ____ % VOC ____ ppm ____ ppm H_2S ____ ppm ____ ppm		
			LEL ____ % 0_2 ____ % VOC ____ ppm ____ ppm H_2S ____ ppm ____ ppm		

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INSTRUMENT CALIBRATION CHECK

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LEL: 40 % to 60 % O_2: < .5 % (Area Rae) (99.99% Nitrogen VOC 80 ppm to 120 ppm

H_2S: 10ppm 8 ppm to 12 Other: CO 40 ppm to 60 ppm

ppm Other: SO2 4 ppm to 6 Other: NH3 40 ppm to 60 ppm

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Instrument ID	Date	Time	Calibration Results	Calibrated by:	Comments
AMT UNIT 22	2/2/19	1330	LEL PASS % O_2 20.9 % VOC PASS ppm ___ ___ppm H_2S PASS ppm ___ ___ppm	DMCaskill	
unit 2 Area Rae	2/2/19	1330	LEL ___ % O_2 ___ % VOC ___ ppm ___ ___ppm H_2S ___ ppm ___ ___ppm	JW	
unit 24 Multi RAE	2/2/19	1330	LEL ___ % O_2 ___ % VOC ___ ppm ___ ___ppm H_2S ___ ppm ___ ___ppm	JW	
unit 36 Benzae	2/2/19	1330	LEL ___ % O_2 ___ % VOC ___ ppm ___ ___ppm H_2S ___ ppm ___ ___ppm	JW	
			LEL ___ % O_2 ___ % VOC ___ ppm ___ ___ppm H_2S ___ ppm ___ ___ppm		
			LEL ___ % O_2 ___ % VOC ___ ppm ___ ___ppm H_2S ___ ppm ___ ___ppm		
			LEL ___ % O_2 ___ % VOC ___ ppm ___ ___ppm H_2S ___ ppm ___ ___ppm		

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INSTRUMENT CALIBRATION CHECK

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LEL: 40 % to 60 % 0_2: < .5 % (Area Rae) (99.99% Nitrogen VOC 80 ppm to 120 ppm

H_2S: 10ppm 8 ppm to 12 Other: CO 40 ppm to 60 ppm

ppm Other: SO2 4 ppm to 6 Other: NH3 40 ppm to 60 ppm

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Instrument ID	Date	Time	Calibration Results	Calibrated by:	Comments
11	2-2-19	5:03	LEL ____% 0_2 ____ % VOC ____ ppm ____ ____ppm H_2S ____ ppm Benzene 5 ppm		
3	2-7-19	5:04	LEL ____% 0_2 ____ % VOC ____ ppm ____ ____ppm H_2S ____ ppm Bzn 5.1 ppm		
5	2-2-19	5:06	LEL ____% 0_2 ____ % VOC ____ ppm ____ ____ppm H_2S ____ ppm Benzene 5 ppm		
35	2-2-19	5:08	LEL ____% 0_2 ____ % VOC ____ ppm ____ ____ppm H_2S ____ ppm Benzene 5 ppm		
			LEL ____% 0_2 ____ % VOC ____ ppm ____ ____ppm H_2S ____ ppm ____ ____ppm		
			LEL ____% 0_2 ____ % VOC ____ ppm ____ ____ppm H_2S ____ ppm ____ ____ppm		
			LEL ____% 0_2 ____ % VOC ____ ppm ____ ____ppm H_2S ____ ppm ____ ____ppm		

INSTRUMENT CALIBRATION CHECK

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LEL: 40 % to 60 % O_2: < .5 % (Area Rae) (99.99% Nitrogen VOC 80 ppm to 120 ppm

H_2S: 10ppm 8 ppm to 12 Other: CO 40 ppm to 60 ppm

ppm Other: SO2 4 ppm to 6 Other: NH3 40 ppm to 60 ppm

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Instrument ID	Date	Time	Calibration Results	Calibrated by:	Comments
#42	2-3	4:05 AM	LEL 49 % O_2 20.9 % VOC 110 ppm ___ ___ppm H_2S 10 ppm ___ ___ppm	A.O	odor Complain near lab *
# 07	2-3	4:35 AM	LEL 49 % O_2 ___ % VOC 100 ppm ___ ___ppm H_2S 11 ppm ___ ___ppm	AO	Placed @ 11B
MRPro 124	2-3	5:15 am	LEL Pass % O_2 Pass % VOC Pass ppm CO Pass ppm H_2S Pass ppm SO_2 Pass ppm	JET	"
#20	2-3	6:45 AM	LEL 49 % O_2 [illegible] % VOC 100 ppm ___ ___ppm H_2S 10 ppm ___ ___ppm	A.O	[illegible]
#08	2/3	0730	LEL 51 % O_2 [illegible].2 % VOC 99.7 ppm CO 41 ppm H_2S 12 ppm ___ ___ppm	D.P.	
#24	2/3	2:50	LEL 44 % O_2 20.4 % VOC 108 ppm CO 54 ppm H_2S 8 ppm ___ ___ppm	D.F.	
#21	2/3	801	LEL 54 % O_2 20.9 % VOC 104 ppm SO2 4.7 ppm H_2S 9 ppm ___ ___ppm	DF	

2/2/19

AMT FIELD DATA FORM

Monitoring Results								
Location ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments
Unit 07	Dix & ormond	2:30	0	—	0	0	20.9 0%	
	"	2:45	0	—	0	0	20.9 0%	
		3:00	0	—	0	0	20.9 0%	
		3:15	0	—	0	0	20.9 0%	
		3:30	0	—	0	0	20.9 0%	
		3:45	0	—	0	0	20.9 0%	
		4:00	0	—	0	0	20.9 0%	
		4:15	0	—	0	0	20.9 0%	
		4:30	0	—	0	0	20.9 0%	
		4:45	0	—	0	0	20.9 0%	
Unit 07	Dix & ormond	5:00	0	—	0	0	20.9 0%	

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Francis / Brown

2/2/19

AMT FIELD DATA FORM

Monitoring Results								
Location ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	O_2 Other (List)	Observations/Comments
Unit 7	Oakwood / Powell	17:15	0	0	0	0	20.9	with odor
Unit 7	Woodmere / Olivet	17:20	0	0	0	0	20.9	with odor
Unit 35	Woodmere / Chamberlain	17:47		0				with odor
Unit 35	Woodmere / Homer	17:53		0				with Odor
Unit 35	Woodmere / Avis	17:58		0				Odor not as bad
Unit 35	Woodmere / Vernor	18:08		0				no odor
Unit 35	Riverside / Vernor	18:15		0				no odor
Unit 7	Whittington / Riverside	18:20	0		0	0	20.9	no odor
Unit 7	Canterbury / Riverside	18:25	0		0	0	20.9	no odor
Unit 35	Riverside / Industrial	18:28		0				with odor
Unit 7	Riverside / Industrial	18:28	0		0	0	20.9	with odor

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V04014-128

Francis / Brown.

2/2/19

EOC AMT Room

AMT FIELD DATA FORM

UltraRAE (VOC)	UltraRAE (Benzene)	Multigas/LEL	Other	Detector Tubes
Serial No.	Serial No.	Mfg/Model:	Mfg/Model:	Mfg:
Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Serial No:	Serial No:	Tube Type:
Post-Cal. Date/ Time:	Post-Cal. Date/Time:	Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Tube Range:
Calibration Gas Lot:	Calibration Gas Lot:	Post-Cal. Date/Time:	Post-Cal. Date/Time:	
	RAE-SEP Tube Batch#	Calibration Gas Lot:	Calibration Gas Lot:	

Monitoring Results

Location ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments	Sampler's Initials
MR 121	HIGGINS & WOODMERE	1705	0	0	0	0			
MR121	LAFAYETT : WOODMERE	1705	0	0	0	0			
MR124	DEARBORN & FORT	1700	0	0	0	0			
UR 23	DEARBORN & FORT	1701	0	0	0	0			
UR23	RIVERSIDE & INDUSTRIAL	1710	0	0	0	0			
MR124	RIVERSIDE & INDUSTRIAL	1710	0	0	0	0			
UR36	WOODMERE & AUBURN	1711	0	0	0	0			
MR 125	"	1712	0	0	0	0			
MR 21	RIVERSIDE	1713	0	0	0	0			
MR122	WOODMERE & OLIVE	1714	0	0	0	0			
MR121	VERNON : RIVERSIDE	1717	0	0	0	0			

* will be duplicates of field notes

2/2/19

AMT FIELD DATA FORM

Monitoring Results

Location ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments
124	Wyoming / Riverside	5:24	0	0	0	0		
125 /	Elaine / Cahlan	5:25	0	0	0	0	SO_2 - 0	
124	OAK WOODMERE	1728	0	0	0	0		

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AMT FIELD DATA FORM

UltraRAE (VOC)	UltraRAE (Benzene)	Multigas/LEL	Other	Detector Tubes
Serial No.	Serial No.	Mfg/Model: multiRAE Pro	Mfg/Model:	Mfg:
Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Serial No: 121	Serial No:	Tube Type:
Post-Cal. Date/ Time:	Post-Cal. Date/Time:	Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Tube Range:
Calibration Gas Lot:	Calibration Gas Lot:	Post-Cal. Date/Time:	Post-Cal. Date/Time:	
	RAE-SEP Tube Batch#	Calibration Gas Lot:	Calibration Gas Lot:	

Incident Name:	Sampler Name:	Date:
C3/C4 SB leak	Jon Moulot	2-2-19

Monitoring For:	Equipment Used (Circle Appropriate):
Neighborhood odor complaint	UltraRAE Detector Tubes Multigas/LEL Other:

Monitoring Results

Location ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments	Sampler's Initials
	Higgins Park (Woolmere)	1700	0	N/A	0	0		No odor	J.M
	LANE & Woolmere	1700	0	N/A	0	0		No odor	J.M
	Vernon & Riverside	1715	0	N/A	0	0		No odor	J.M
	Wyoming & Riverside	1730	0	N/A	0	0		No odor	JM
	Industrial & Fort	1735	0	N/A	0	0		No odor	JM

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Joe Reidy
John Christson

AMT FIELD DATA FORM

Monitoring Results								
Location ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments
2/2/17	Woodmere + Homer	5^09 p	All zeros				Unit 2 ARae +, #36 C6H6 #125 MRSO2	Pungent Smell (Tube # V04014-103)
2/2/17	Mullane + Cahalan near spring wells	5^23	All zeros				Unit 2 ARae +, #36 C6H6 #125 Multi Rae SO2	Less Pungent Smell
								Unit 36 post bump 4.725 ppm C6H6
								Unit 2 AREA RAE + Bad Post Bump
								~~Unit 36~~
								Unit 125 Post Bump PASS

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CPLX 3 GASOLINE STRIPPER EMERGENCY 2/2/19

AMT FIELD DATA FORM

Monitoring Results								
~~Location~~ UNIT ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments
37	SANDERS + DUMFRIES	1330	0		0	0	CO = 0 O2 = 20.9	HEAVY FLARE EXHAUST ODOR
23	" "	1332		0				
37	" "	1340	0		0	0	CO = 0 O2 = 20.9	
23	" "	1345		0				
37	OUTSIDE CPLX 6 CTL RM	1400	0		0	0	CO = 0 O2 = 20.9	BURNING FLAMES UNDERNEATH TOP PLATFORM OF COKER FLARE.
6	In front of NAB facing Coker	14:20	0		0	0	CO = 0 NH3 = 0 O2 = 20.9	UNIT 37 LEFT INSIDE CTL RM/OPS
6	"	14:35	0		0	0	CO = 0 NH3 = 0 O2 = 20.9	
6	"	14:50	0		0	0	CO = 0 NH3 = 0 O2 = 20.9	
6	By the Lab Gate	14:50	0		0	0	CO = 0 NH3 = 0 O2 = 20.9	
6	" "	1500	0		0	0	CO = 0 NH3 = 0 O2 = 20.9	
6	" "	1515	0		0	0	CO = 0 NH3 = 0 O2 = 20.9	
6	" "	1530	0		0	0	CO = 0 NH3 = 0 O2 = 20.9	
6	" "	1545	0		0	0	CO = 0 NH3 = 0 O2 = 20.9	
6	" "	1601	0		0	0	CO = 0 NH3 = 0 O2 = 20.9	
6	" "	1615	0		0	0	CO = 0 NH3 = 0 O2 = 20.9	
6	" "	1630	0		0	0	CO = 0 NH3 = 0 O2 = 20.9	
124	" "	1637	0		0	0	CO = 0 SO2 = 0 O2 = 20.9	
6	"	1638	0		0	0	CO = 0 NH3 = 0 O2 = 20.9	

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D. PEK / A. DARZU

2/2/19

AMT FIELD DATA FORM

Monitoring Results								
~~Location~~ ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments
23	LAB ENTRY GATE	1639		0				

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D. PEK/A. DARZU

2/2/19

AMT FIELD DATA FORM

Monitoring Results								
Location ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments
124	DEARBORN + FORT	1656	0		0	0	CO=0, SO2=0, O2=20.9	
23	" "	1658		0				
124	INDUSTRIAL + RIVERSIDE	1703	0		0	0	CO=0, SO2=0, O2=20.9	FLARE ODOR
23	" "	1706		0				FLARE ODOR
124	WHITTINGTON + RIVERSIDE	1710	0		0	0	CO=0, SO2=0, O2=20.9	
23	" "	1711		0				
124	WOODMERE + ELSMERE	1719	0		0	0	CO=0, SO2=0, O2=20.9	
23	" "	1720		0				
124	WOODMERE + FORT	1725	0		0	0	CO=0, SO2=0, O2=20.9	
23		1727						

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SEP TUBE LOT #V04014-132

D. PIRK / A. DARZO

MRD ATTENDANCE FORM

TITLE/SUBJECT: Air Monitoring Team Training Event

DATE: 2-3-19 **TO:**
TIME: 7:30am **TO:**

SESSION NUMBER:

COMPLEX/AREA/DEPT:

TYPE:
- ☐ Training & Development Topic
- ☐ What If
- ☐ Sequential
- ☑ AMT Training
- ☐ General Safety Topic
- ☐ General Environmental Topic
- ☐ General Energy Topic

INSTRUCTOR NAME:
INSTRUCTOR SIGNATURE:

T&D ONLY
AREA CODE
SUBJECT CODE
COURSE CODE

	Employee ID	PRINTED NAME	SIGNATURE
1	820 230	ADRIAN DARZU	Adrian Darzu
2	782185	Doug Pek	Doug Pek
3	075879	David Francis	[illegible]
4	729763	John Taggart	John Taggart
5			
6			
7			
8			
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Completed forms must be <u>promptly</u> delivered to the Training Center.

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LEL: 40 % to 60 % O_2: < .5 % (Area Rae) (99.99% Nitrogen VOC 80 ppm to 120 ppm

H_2S: 10ppm 8 ppm to 12 Other: CO 40 ppm to 60 ppm

ppm Other: SO2 4 ppm to 6 Other: NH3 40 ppm to 60 ppm

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Instrument ID	Date	Time	Calibration Results	Calibrated by:	Comments
2	2/3	0613	LEL 44 % O_2 0 % VOC 100 ppm SO2 4.9 ppm H_2S 10 ppm ppm	D.P.	PASS
35	2/3	0618	LEL % O_2 .1 % VOC 130/100 ppm ppm H_2S ppm ppm	D.P.	RE-CAL VOC=100
23	2/3	8:25	LEL % O_2 % VOC ppm ppm H_2S ppm Benz passed ppm	DF	ultra Rae passed
36	2/3	8:30	LEL % O_2 % VOC ppm ppm H_2S ppm Benze passed ppm	DF	ultra Rae Passed Post P.
21	2/3	1730	LEL 47 % O2 .1 % VOC 99 ppm SO2 4.4 ppm H_2S 10 ppm ppm	DP	PASS
124	2/3	174	LEL % O_2 % VOC ppm ppm H_2S ppm ppm	DP/DF	PASS Post Bump
3	2/3	5:40	LEL % O_2 % VOC ppm Benzene0 ppm H_2S ppm ppm	DF	PASS

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AMT FIELD DATA FORM

Monitoring Results								
Location ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments
121	Fort & Miller	9:15	0		0	0	CO - 0 O_2 20.9	NO odor
121	Miller & DIX	9:18	0		0	0	CO - 0 O_2 20.9	NO odor
121	Miller & Eagle Pass	9:22	0		0	0	CO - 0 O_2 20.9	NO odor
121	Miller & Rotunda	9:25	0		0	0	CO - 0 O_2 20.9	NO odor
121	Miller & Prospect	9:28	0		0	0	CO - 0 O_2 20.9	NO odor
121	Miller & Mich AVE	9:31	0		0	0	CO - 0 O_2 20.9	NO odor.
121	Mich & Wyoming	9:35	0		0	0	CO - 0 O_2 20.9	NO odor
121	Wyoming & Porath	9:40	0		0	0	CO - 0 O_2 20.9	NO odor
121	Wyoming & Southern	9:45	0		0	0	CO - 0 O_2 20.9	NO odor
121	Southern & Miller	9:48	0		0	0	CO - 0 O_2 20.9	NO odor
121	Southern & Stecker	9:53	0		0	0	CO - 0 O_2 20.9	NO odor
121	JOHN KRONK & Cabot	9:56	0		0	0	CO - 0 O_2 20.9	NO odor
121	JOHN KRONK Lonyo	9:59	0		0	0	CO - 0 O_2 20.9	slight odor
121	Lonyo & DIX	10:01	0		0	0	CO - 0 O_2 20.9	slight odor
121	DIX & Springwells	10:05	0		0	0	CO - 0 O_2 20.9	NO odor
121	DIX & Central	10:08	0		0	0	CO - 0 O_2 20.9	NO odor
121	Central & Pitt	10:11	0		0	0	CO - 0 O_2 20.9	slight odor
121	Central & Senator	10:13	0		0	0	CO - 0 20.9	slight odor

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Francis 2/3/19

AMT FIELD DATA FORM

Monitoring Results								
Location ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments
121	Central & Cahalan	10:14	0		0	0	CO-0 O_2 20.9	slight odor
121	Central Pershing	10:16	0		0	0	CO-0 O_2 20.9	No odor
121	Central Fisher Fry	10:18	0		0	0	CO-0 O_2 20.9	No odor
121	Fisher & Springwells	10:21	0		0	0	CO-0 O_2 20.9	No odor
121	Fort & Fisher	10:24	0		0	0	CO-0 O_2 20.9	No odor
121	Fort & Woodmere	10.25	0		0	0	CO-0 20.9	No odor

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AMT FIELD DATA FORM

Monitoring Results								
Location ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments
124	N/W Corner Fort & Dearborn	1:24	0		0	0	Co-0 O_2 20.9	~~V04014-300~~
36	N/W Corner Fort & Dearborn	1:28	—	0.0	—	—	—	V04014-300
124	Vallen lot Mellon & Schaffer	1:39	0		0	0	Co-0 O_2 20.9	
36	Vallen lot Mellon Schaffer	1:43	—	0.0		—	—	V04014-300
124	Ormond & Colonial	3:00	0		0	0	Co-0 O_2 20.9	
124	Fort & Woodmere	3:20	0		0	0	Co-0 O_2 20.9	
124	Vernor & Dix	3:25	0		0	0	Co-0 O_2 20.9	
124	Oakwood & Powell	4:00	0		0	0	Co-0 O_2 20.9	
124	Colonial & W. Fort	4:05	0		0	0	Co-0 O_2 20.9	
124	Bayside & Ormond	4:10	0		0	0	Co-0 O_2 20.9	
124	Fort & Stocker	4:24	0		0	0	Co-0 O_2 20.9	slight odor.
36	Fort & Stocker	4:25	~~0~~	0.0	~~0~~	~~0~~	~~Co-0~~ ~~O_2 20.9~~	V0414-300-mild odor
124	Stocker @ Ajax Bldg	4:28	0		0	0	Co-0 O_2 20.9	
36	Fort St near Rouge Exit	4:35	—	0.0			—	V0414-300 No odor
36	Gale & Dumphries	4:39		0.0				
124	Gale & Dumphries	4:41	0		0	0	Co-0 O_2 20.9	V0414-300

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Francis 2/3/19

AMT FIELD DATA FORM

UltraRAE (VOC)	UltraRAE (Benzene)	Multigas/LEL	Other	Detector Tubes
Serial No.	Serial No.	Mfg/Model:	Mfg/Model:	Mfg:
Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Serial No:	Serial No:	Tube Type:
Post-Cal. Date/ Time:	Post-Cal. Date/Time:	Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Tube Range:
Calibration Gas Lot:	Calibration Gas Lot:	Post-Cal. Date/Time:	Post-Cal. Date/Time:	
	RAE-SEP Tube Batch#	Calibration Gas Lot:	Calibration Gas Lot:	

Incident Name:	Sampler Name:	Date:
	D. PEK / A. DARZU	2/3/19

Monitoring For:	Equipment Used (Circle Appropriate):
	UltraRAE Detector Tubes Multigas/LEL Other:

Monitoring Results

~~Location~~ ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments	Sampler's Initials
2	DUMFRIES & SANDERS	0900	0	—	0	0	SO2=.8, ~~CO=0~~, O2=	20.9	D.P./A.D.
124	"	0900	0		0	0	SO2=0 CO=0, O2=	20.9	D.P/A.D
2	FT. ST. BRIDGE & SALT MINE	0915	0		0	0	SO2=0 O2=	20.9	D.P./A.D.
124	"	0915	0		0	0	SO2=0 CO=0, O2=	20.9	D.P./A.D
		0930						SWAP UNITS 2+124	
								WITH UNITS 2 + 125	

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AMT FIELD DATA FORM

UltraRAE (VOC)	UltraRAE (Benzene)	Multigas/LEL	Other	Detector Tubes
Serial No.	Serial No.	Mfg/Model:	Mfg/Model:	Mfg:
Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Serial No:	Serial No:	Tube Type:
Post-Cal. Date/ Time:	Post-Cal. Date/Time:	Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Tube Range:
Calibration Gas Lot:	Calibration Gas Lot:	Post-Cal. Date/Time:	Post-Cal. Date/Time:	
	RAE-SEP Tube Batch#	Calibration Gas Lot:	Calibration Gas Lot:	

Incident Name:	Sampler Name:	Date:
	D. PEK / A. DARZN	2/3/19

Monitoring For:	Equipment Used (Circle Appropriate):
	UltraRAE Detector Tubes Multigas/LEL Other:

Monitoring Results

~~Location~~ UNIT ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments	Sampler's Initials
21	SANDERS + OAKWOOD	0945	0	—	0	0	O2: 21.2 SO2=0	MILD ODOR	D.P/A.D
125	"	0945	0	—	0	0	O2= 20.9 SO2=0 CO=0	—	"
21	RIVERSIDE + HEIDT	0952	0	—	0	0	O2= 21.2 SO2=0	—	"
125	"	0952	0	—	0	0	O2= 20.9 SO2=0 CO=0	—	"
21	DENMARK + HEIDT	0957	0	—	0	0	O2= 21.2 SO2=0	—	"
125	"	0957	0	—	0	0	O2= 20.9 SO2=0 CO=0	—	"
21	FORT + DEARBORN	1002	0	—	0	0	O2= 21.2 SO2=0	—	"
125	"	1002	0	—	0	0	O2= 20.9 SO2=0 CO=0	—	"
21	CHAMBERLAND + WOODMERE	1007	0	—	0	0	O2= 21.2 SO2=0	—	"
125	"	1007	0	—	0	0	O2= 20.9 SO2=0 CO=0	—	"
21	DALE + VERNOR	1016	0	—	0	0	O2= 21.2 SO2=0	—	"

AMT FIELD DATA FORM

Monitoring Results								
Location ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments
125	ROUGE + POWELL	1954	0		0	0	CO=0 SO2=0 O2= 20.9	
125	ORMOND + HEIDT	2007	0		0	0	CO=0 SO2=0 O2= 20.9	
	" "	2012	—	—	—	—	—	SUMA SAMPLE
125	FORDSON + DIX	2050	0		0	0	CO=0 SO2=0 O2= 20.9	
125	WORLD WIDE FENCE CO. MILLER RD	2057	0		0	0	CO=0 SO2=0 O2= 20.9	
125	WATERFRONT CO. MILLER RD	2100	0		0	0	CO=0 SO2=0 O2=20.9	LIGHT ODOR
125	FORT + MILLER	2105	0		0	0	CO=0 SO2=0 O2=20.9	

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AMT FIELD DATA FORM

UltraRAE (VOC)	UltraRAE (Benzene)	Multigas/LEL	Other	Detector Tubes
Serial No.	Serial No.	Mfg/Model:	Mfg/Model:	Mfg:
Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Serial No:	Serial No:	Tube Type:
Post-Cal. Date/ Time:	Post-Cal. Date/Time:	Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Tube Range:
Calibration Gas Lot:	Calibration Gas Lot:	Post-Cal. Date/Time:	Post-Cal. Date/Time:	
	RAE-SEP Tube Batch#	Calibration Gas Lot:	Calibration Gas Lot:	

Incident Name:	Sampler Name:	Date:
	D. PIEK / A. DARZU	2/3/19

Monitoring For:	Equipment Used (Circle Appropriate):
	UltraRAE Detector Tubes Multigas/LEL Other:

Monitoring Results

~~Location~~ UNIT ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments	Sampler's Initials
125	DALE & VERNOR	1016	0	—	0	0	O2=20.9 SO2=0 CO=0	—	D.P/A.D.
21	DIX & MILLER	1032	0	—	0	0	O2=21.2 SO2=0	ODOR PRESENT	"
125	"	1032	0	—	0	0	O2=20.9, SO2=0 CO=0		"

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AMT FIELD DATA FORM

UltraRAE (VOC)	UltraRAE (Benzene)	Multigas/LEL	Other	Detector Tubes
Serial No.	Serial No.	Mfg/Model:	Mfg/Model:	Mfg: RAE SYSTEMS
Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Serial No:	Serial No:	Tube Type: BENZENE
Post-Cal. Date/ Time:	Post-Cal. Date/Time:	Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Tube Range:
Calibration Gas Lot:	Calibration Gas Lot:	Post-Cal. Date/Time:	Post-Cal. Date/Time:	V04014-302
	RAE-SEP Tube Batch#	Calibration Gas Lot:	Calibration Gas Lot:	EXP 7/19

Incident Name:	Sampler Name:	Date:
	D. PEK / A. DARZU	2/3/19

Monitoring For:	Equipment Used (Circle Appropriate):
	UltraRAE Detector Tubes Multigas/LEL Other:

Monitoring Results

~~Location~~ ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments	Sampler's Initials
OVM VX 6055	ORMOND + HEIDT	1300	—	—	—	—			D.P/A.D.
125	"	1315	0	—	0	0	CO=0 SO_2=0 O_2=20.9		"
3	"	1315	—	0	—	—			"
125	NAB PARKING LOT	1323	0	—	0	0	CO=0 SO_2=0 O_2=20.9	STRONG ODOR	"
125	ROUGE + POWELL	1345	0	—	0	0	CO=0 SO_2=0 O_2=20.9		"
3	"	1347	—	0	—	—			"
21	"	1348	0	—	0	0	SO_2=0 O_2=21.1		"
21	WORLD WIDE FENCE CO. MILLER RD.	1358	0	—	0	0	SO_2=0 O_2=21.2		"
3	"	1400	—	0	—	—			"
125	"	1402	0	0	0	0	CO=0 SO_2=0 O_2=20.9		"
21	MILLER + FORT	1407	0	—	0	0	SO_2=0 O_2=21.3		"

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AMT FIELD DATA FORM

Monitoring Results								
~~Location~~ ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments
3	MILLER + FORT	1408	–	0	–	–		
125	"	1410	0	—	0	0	CO=0 SO2=0 O2=20.9	
OVM VX 6046	LIDDESDALE + PLEASANT	1420	–	–	–	–		
125	"	1423	0	—	0	0	CO=0 SO2=0 O2=20.9	
21	"	1427	0	—	0	0	SO2=0 O2=21.2	
32/33								START-UP MELWINDALE TANK FARM SOLAR RAES
28	TRACTOR + FORT (LPLK 1)	1630						CHECK OUT SOLAR RAE 28 (OUT OF SERVICE/INOP)
21	"	1632	0	—	0	0	SO2=0 O2=21.3	
125	"	1634	0	—	0	0	CO=0 SO2=0 O2=20.9	
3	"	1634		0				
21	PITA METALS FORT ST.	1650	0	—	0	0	SO2=0 O2=21.3	
3	"	1653		0				
125								DEAD BATTERY, OUT OF SERVICE
21	ROUGE TANK FARM GATE	1710	0	—	0	0	SO2=0 O2=21.3	
21	DENNARK + HEIDT	1722	0	—	0	0	SO2=0 O2=21.3	

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