MRD ATTENDANCE FORM

TITLE/SUBJECT: Air Monitoring Team Training Event

DATE: 2/4/19 **TO:** 2/5/19
TIME: 4pm **TO:** 6am

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	880450	Kelley James	[illegible]
2	603381	Kevin Lepak	[illegible]
3	269004	Ryan Richardson	[illegible]
4	875800	Jon Moulet	[illegible]
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Completed forms must be <u>promptly</u> delivered to the Training Center.

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AMT FIELD DATA FORM

UltraRAE (VOC)	UltraRAE (Benzene)	Multigas/LEL	Other	Detector Tubes
Serial No.	Serial No.	Mfg/Model: MultiRae #126	Mfg/Model:	Mfg:
Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Serial No: 4479 6653	Serial No:	Tube Type:
Post-Cal. Date/ Time:	Post-Cal. Date/Time:	Pre-Cal. Date/Time: 2/4/19	Pre-Cal. Date/Time:	Tube Range:
Calibration Gas Lot:	Calibration Gas Lot:	Post-Cal. Date/Time: 2/5/19 6:20am	Post-Cal. Date/Time:	
	RAE-SEP Tube Batch#	Calibration Gas Lot:	Calibration Gas Lot:	

Incident Name:	Sampler Name:	Date:
Refinery Shutdown	K. James / K. Lepak	2-4-19

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
MultiRae #126	2741 Dix (Vallen)	6:45pm	0	—	0	0	SO_2-0, O_2-20.9%, CO-0		KL
	Heidt St. (Wildlife Area)	6:55pm	0	—	0	0	SO_2-0, O_2-20.9%, CO-0		KL
	Dearborn + Fort	7:02pm	0	—	0	0	SO_2-0, O_2-20.9%, CO-0		KL
	Pleasant + Liddesdale	7:07pm	0	—	0	0	SO_2-0, O_2-20.9%, CO-0		KL
	Fort + Dumfries	7:32pm	0	—	0	0	SO_2-0 O_2-20.9%, CO-0		KJ
	Waring + Sanders	7:34pm	0	—	0	0	SO_2-0, O_2-20.9, CO-0		KJ
	Sanders + Greyfriars	7:34	0	—	0	0	SO_2-0 O_2-20.9, CO-0		KJ
	Sanders + Dumfries	7:35	0	—	0	0	SO_2-0 O_2-20.9%, CO-0		KJ
	Gale + Bayside	7:37	0	—	0	0	SO_2-0, O_2-20.9%, CO-0		KJ
	Powell + Bayside	7:37	0	—	0	0	SO_2-0, O_2-20.9%, CO-0		KJ
	Oakwood + Powell	7:38	0	—	0	0	SO_2-0, O_2-20.9%, CO-0		KJ

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AMT FIELD DATA FORM

Unit	Monitoring Results							
~~Location~~ ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments
M-Hilge	Powell + Colonial	7:38pm	0	—	0	0	SO_2-0, O_2-20.9%, CO-0	
#126	Colonial + Ormond	7:40pm	0	—	0	0	SO_2-0, O_2-20.9%, CO,0	
↓	Colonial + Norway	7:41pm	0	—	0	0	SO_2-0, O_2-20.9%, CO-0	
↓	Ormond + Luther	7:42pm	0	—	0	0	SO_2-0, O_2-20.9%, CO-0	
↓	Luther + Powell	7:43	0	—	0	0	SO_2-0, O_2: 20.9%, 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: MultiRea	Mfg/Model:	Mfg:
Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Serial No: 12 S(4479 6652)	Serial No:	Tube Type:
Post-Cal. Date/ Time:	Post-Cal. Date/Time:	Pre-Cal. Date/Time: 2-4-19	Pre-Cal. Date/Time:	Tube Range:
Calibration Gas Lot:	Calibration Gas Lot:	Post-Cal. Date/Time: 2-4-19	Post-Cal. Date/Time:	
	RAE-SEP Tube Batch#	Calibration Gas Lot: 22	Calibration Gas Lot:	

Incident Name:	Sampler Name:	Date:
Refinery S/D	Richardson / Mouhot	2-4-19

Monitoring For:	Equipment Used (Circle Appropriate):			
multi-gas	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
	OAKwood HESS GATE	~~2000~~ 1740	0	N/A	0	0	O2 20.9	No odor	Jm
	Powell & OAKwood	~~2000~~ 1750	0	N/A	0	0	O2 20.9	No odor	Jm
	Powell & luthe	~~2000~~ 1750	0	N/A	0	0	O2 20.1	No odor	Jm
	luther & Renwood	"	0	"	"	"	"	"	"
	Ormond & luthe	~~2000~~ 1755	0	N/A	0	0	"	"	Jm
	CX1 Roadway	2000	0	N/A	0	0	"	"	Jm
	Miller & Fort	2006	0	N/A	0	0	"	"	Jim
	Dix & Powell	2010	10ppb	N/A	0	0	"	"	Jim
	CX1 Roadway	2130	0	N/A	0	0	O2 20.9	"	Jim
	Fort & OAKwood	2140	0	N/A	0	0	O2 20.9	No odor	Jm
	Luther & Renwood	2140	0	N/A	0	0	O2 20.9	No odor	

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
	Powell & Heidt	2145	0	N/A	0	0	O2 20.9	No odor
	Heidt & Ormond	2145	0	N/A	0	0		–
	Oakwood & Powell	2150	0	N/A	0	0		"
	Fort & Miller	2155	0	N/A	0	0		"
	Ormond & Fordson	2200	0	N/A	0	0		"
	Fordson & Oakwood	2200	0	N/A	0	0		"
	Hess Parking Lot	2205	0	N/A	0	0		"
	CXI Roadway	2330	0	N/A	0	0		"
	CXI Roadway	2335	N/A	0	N/A	N/A	unit 23 (ultra rate)	V07054-177
	Fort & Oakwood	2340	0	N/A	0	0	O2 20.9	No odor.
	Denmark & Heidt	2341	0	N/A	0	0		No odor
	Powell & Heidt	2342	0	N/A	0	0		"
	Heidt & Ormond	2341	0	N/A	0	0	"	"
	Miller & Rex Meats	2345	0	N/A	0	0	"	"
	Ormond & Fordson	235	0	N/A	0	0	"	"
	Oakwood & Fordson	"	0		0	0	"	"
	Oakwood Bakery	0130	0	N/A	0	0	"	"
	Pleasant & Fort	0132	0	N/A	0	0	"	"

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8/4/19
D. PIEK / A. DARZU

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
A.R. 08	TOP OF SOLAR RAE PANEL 28	1705	>2000	—	0	0	O2 = 20.9	VOC ALARM – OVR / REMOVED FROM SVC.
M.R. 126	"	1710	0	—	0	0	CO = 0 O2 = 20.9	
A.R. 19-CV	"	1710	0	—	0	0	O2 = 20.9	LEFT ON LOCATION

2/4/19 ~~18:30~~ 21:30

AMT FIELD DATA FORM

UltraRAE (VOC)	UltraRAE (Benzene)	Multigas/LEL 126	Other	Detector Tubes
Serial No.	Serial No.	Mfg/Model: PGM 6248	Mfg/Model:	Mfg:
Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Serial No: MCB 32 126PB	Serial No:	Tube Type:
Post-Cal. Date/ Time:	Post-Cal. Date/Time:	Pre-Cal. Date/Time: 2/4/19	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: 201811270 1	Calibration Gas Lot:	

Incident Name:	Sampler Name:	Date:
Polar Vortex	Kelley James	2/4/19

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
126	Fort + Oakwood	21:28	0	N/A	0	0	CO: 0ppm SO_2: 0ppm O_2: 20.9%	No odor	KJJ
126	Reisner + Flora	21:30	0	N/A	0	0	" " "	" "	KJJ
126	Forman + Flora	21:31	0	N/A	0	0	" " "	Slight Hydrocarbon odor	KJJ
126	Forman + Barron	21:32	0	N/A	0	0	" " "	No odor	KJJ
126	Carbon + Forman	21:35	0	N/A	0	0	" " "	" "	KJJ
126	Dearborn + Fort	21:37	0	N/A	0	0	" " "	" "	KJJ
126	Riverside + Industrial	21:38	0	N/A	0	0	" " "	" "	KJJ
126	Mornyside + Industrial	21:38	0	N/A	0	0	" " "	" "	KJJ
126	Berkshire + Industrial	21:39	0	N/A	0	0	" " "	" "	KJJ
126	Dix + Industrial	21:40	0	N/A	0	0	" " "	" "	KJJ
126	Tuxedo + Wyoming	21:41	0	N/A	0	0	" " "	" "	KJJ

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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	
126	Tuxedo + Canterbury	21:42	0	N/A	0	0	CO: 0ppm SO2: 0ppm O2: 20.9%	No odor	KJJ
126	Berkshire + Canterbury	21:42	0	N/A	0	0	" " "	" "	KJJ
126	Riverside + Canterbury	21:43	0	N/A	0	0	" " "	" "	KJJ
126	Forney + Riverside	21:44	0	N/A	0	0	" " "	" "	KJJ
126	Fort + Woodmere	21:47	0	N/A	0	0	" " "	" "	KJJ
126	Chamberlain + Woodmere	21:48	0	N/A	0	0	" " "	" "	KJJ
126	Avis + Woodmere	21:49	0	N/A	0	0	" " "	" "	KJJ
126	Ellsmere + Woodmere	21:50	0	NA	0	0	" " "	" "	KJJ
126	Woodmere + Vernor	21:57	0	N/A	0	0	" " "	" "	KJJ
126	1071 Miller Road (Waterfront)	21:54	0	N/A	0	0	" " "	" "	KJJ
126	Fort + Miller	21:55	0	N/A	0	0	" " "	" "	KJJ

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02/05/2019 00:00

AMT FIELD DATA FORM

UltraRAE (VOC)	UltraRAE (Benzene)	Multigas/LEL 126	Other	Detector Tubes
Serial No.	Serial No.	Mfg/Model: PGM 6248	Mfg/Model:	Mfg:
Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Serial No: MCB32 126PB	Serial No:	Tube Type:
Post-Cal. Date/ Time:	Post-Cal. Date/Time:	Pre-Cal. Date/Time: 2/4/19	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: 2018/1270	Calibration Gas Lot:	

Incident Name:	Sampler Name:	Date:
Polar Vortex 2019	Kelley James	02/05/19

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
126-A	Bayside + Sanders	00:00	0	N/A	0	0	CO: 0ppm SO_2: 0ppm O_2: 20.9%	No odor	KJJ
126-B	Dumfries and Sanders	00:01	0	N/A	0	0	" " "	" "	KJJ
126-C	Greyfriars + Sanders	00:02	0	N/A	0	0	" " "	" "	KJJ
126-D	Kirk Wherry + Sanders	00:03	0	N/A	0	0	" " "	" "	KJJ
126-E	Dumfries + Wherry	00:04	0	N/A	0	0	" " "	" "	KJJ
126-F	Fort + Oakwood	00:05	0	N/A	0	0	" " "	" "	KJJ

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Plummer St. 4mi. NE

02/05/2019 00:30

AMT FIELD DATA FORM

UltraRAE (VOC)	UltraRAE (Benzene) Unit 36	Multigas/LEL 126	Other	Detector Tubes
Serial No.	Serial No. 596-902475	Mfg/Model: PGM 6248	Mfg/Model:	Mfg:
Pre-Cal. Date/Time:	Pre-Cal. Date/Time: 2/4/19	Serial No: MGB3212 4PB	Serial No:	Tube Type:
Post-Cal. Date/ Time:	Post-Cal. Date/Time:	Pre-Cal. Date/Time: 2/4/19	Pre-Cal. Date/Time:	Tube Range:
Calibration Gas Lot:	Calibration Gas Lot: 220036	Post-Cal. Date/Time:	Post-Cal. Date/Time:	
	RAE-SEP Tube Batch# 104014-130	Calibration Gas Lot: 201811270	Calibration Gas Lot:	

Incident Name:	Sampler Name:	Date:
Polar Vortex - Odor complaint	Kelley James	02/05/19

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
126-A	Fort + Oakwood	00:33	0	N/A	0	0	CO: 0ppm SO_2: 0ppm O_2: 20.9%	No odor	KJJ
126-B	Dearborn + Fort	00:35	0	N/A	0	0	" " "	" "	KJJ
126-C	Fisher + Springwells	0:37	0	N/A	0	0	" " "	" "	KJJ
126-D	Clark + I-75	0:39	0	N/A	0	0	" " "	" "	KJJ
126-E	Fisher + Junction	0:41	0	N/A	0	0	" " "	" "	KJJ
126-F	Junction + Vernor	0:42	0	N/A	0	0	" " "	" "	KJJ
126-G	Plumer + Junction	0:43	0	N/A	0	0	" " "	" "	KJJ
126-H	4737 Plumer st	0:44	0	N/A	0	0	" " "	" "	KJJ *
126-I	Plumer + McKinstry	0:45	0	N/A	0	0	" " "	" "	KJJ
126-J	4701 Merritt	0:46	0	N/A	0	0	" " "	" "	KJJ
126-K	Junction + Merritt	0:47	0	N/A	0	0	" " "	" "	KJJ

* No odors at odor complaint locations.

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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	
126-L	47737 Plumes	0:52	0	N/A	0	0	CO: 0ppm SO_2: 0ppm O_2: 20.9%	No odor	KJJ
126-M	Junction + Plumes	0:53	0	0	0	0	" " "	" "	KJJ
126									

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02/05/19 02:45

AMT FIELD DATA FORM

UltraRAE (VOC)	UltraRAE (Benzene)	Multigas/LEL 126	Other	Detector Tubes
Serial No.	Serial No.	Mfg/Model: PGM 6248	Mfg/Model:	Mfg:
Pre-Cal. Date/Time:	Pre-Cal. Date/Time:	Serial No: MCB32126FB	Serial No:	Tube Type:
Post-Cal. Date/ Time:	Post-Cal. Date/Time:	Pre-Cal. Date/Time: 2/4/19	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: 2018112701	Calibration Gas Lot:	

Incident Name:	Sampler Name:	Date:
Polar Vortex	Kelley James	2/5/19

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
126-A	Fort St Overpass	02:47	0	N/A	0	0	CO: 0ppm SO_2: 0ppm O_2: 20.9%	No odor	KJJ
126-B	Pleasant street Exit from	02:49	0	N/A	0	0	" " "	" "	KJJ
126-C	Pleasant street underpass FOM	02:50	0	N/A	0	0	" " "	" "	KJJ
126-D	Pleasant + Patricia	02:50	0	N/A	0	0	" " "	" "	KJJ
126-E	Pleasant + Liebold	02:50	0	N/A	0	0	" " "	" "	KJJ
126-F	Pleasant + Liddesdale	02:51	0	N/A	0	0	" " "	" "	KJJ
126-G	Pleasant + Beatrice	02:52	0	N/A	0	0	" " "	" "	KJJ
126-H	Pleasant + Deacon	02:52	0	N/A	0	0	" " "	" "	KJJ
126-I	Deacon + Leonard	02:53	0	N/A	0	0	" " "	" "	KJJ
126-J	Leonard + Annabelle	02:54	0	N/A	0	0	" " "	" "	KJJ
126-K	Leonard + Liebold	02:55	0	N/A	0	0	" " "	" "	KJJ

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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	
126-L	Leonard & Patricia	02:55	0	N/A	0	0	CO: 0ppm SO2: 0ppm O2: 20.9%	No odor	KJJ
126-M	Pleasant entrance onto J. Fort	02:57	0	N/A	0	0	" "	" " "	KJJ
126-N	Toronto gate	02:58	0	N/A	0	0	" " "	" " "	KJJ
126-O	Dix + Schafer	03:00	0	N/A	0	0	" " "	" " "	KJJ

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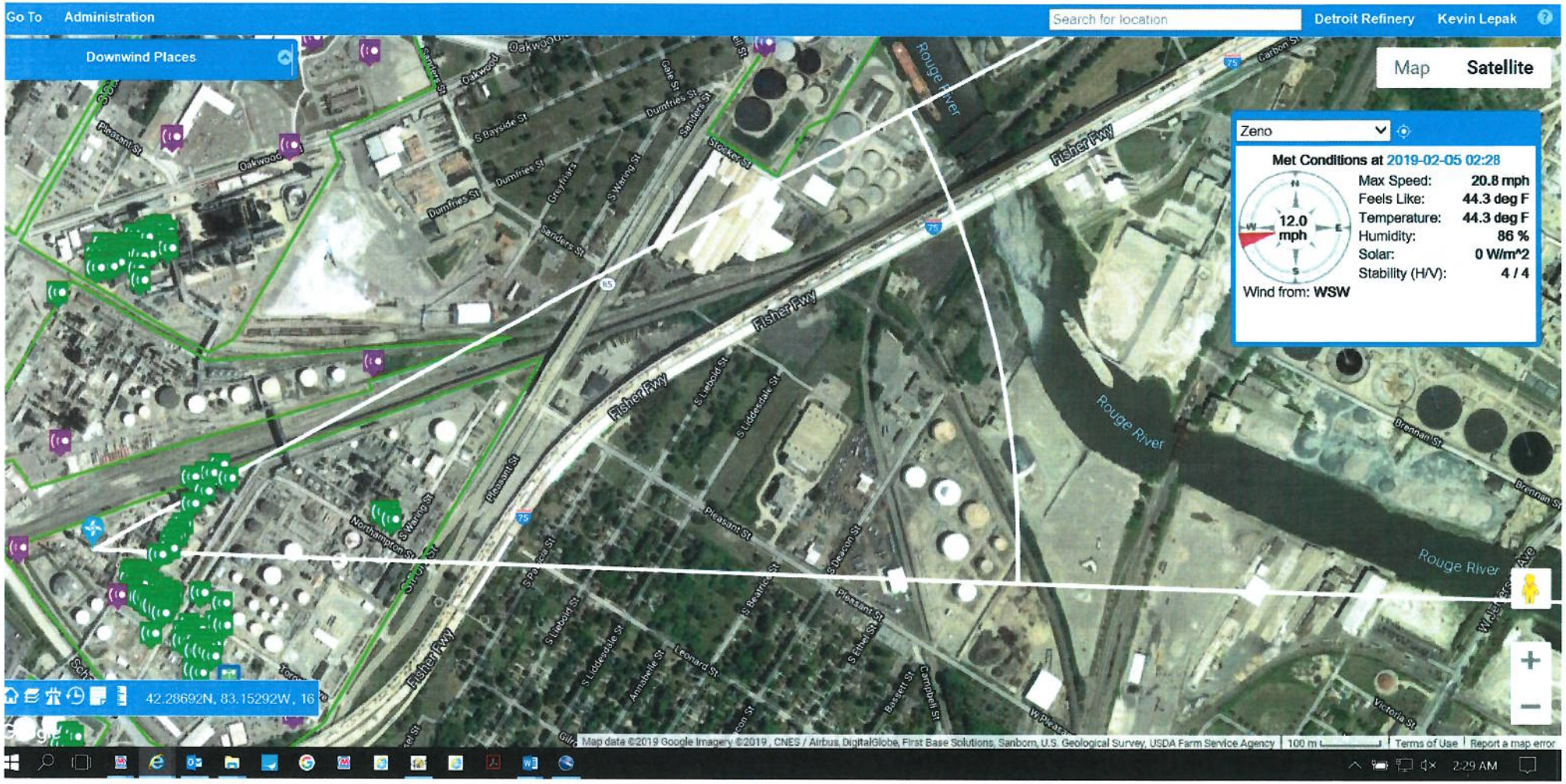
Go To
Administration
Search for location
Detroit Refinery
Kevin Lepak
Downwind Places
Map
Satellite
Zeno
Met Conditions at 2019-02-05 02:28
12.0 mph
Max Speed: 20.8 mph
Feels Like: 44.3 deg F
Temperature: 44.3 deg F
Humidity: 86 %
Solar: 0 W/m^2
Stability (H/V): 4 / 4
Wind from: WSW
Fisher Fwy
Rouge River
Pleasant St
Oakwood
S Bayside St
Dumfries St
Sanders St
Stocker St
S Warren St
Greyhound
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Leonard St
Annabelle St
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Bassett St
Campbell St
Carbon St
42.28692N, 83.15292W, 16
Map data ©2019 Google Imagery ©2019, CNES / Airbus, DigitalGlobe, First Base Solutions, Sanborn, U.S. Geological Survey, USDA Farm Service Agency
100 m
Terms of Use
Report a map error
2:29 AM

MRD ATTENDANCE FORM

TITLE/SUBJECT: Polar Vortex 2019 AMT

DATE: 02/05/19 **TO:** 02/05/19 **SESSION NUMBER:**
TIME: 06:00 **TO:** 18:00 0700—1900

COMPLEX/AREA/DEPT: Entire Refinery and Neighboring Areas

TYPE:
- ☐ Training & Development Topic
- ☐ What If
- ☐ Sequential
- ☑ Other AMT Response
- ☐ 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	310210	Jeff Wolf	
2	820230	ADRIAN DARZU (7AM 7PM) JDL	
3	782185	DOUG PEK	
4	075879	David Francis	
5	833930	RICK NEWMAN	
6			
7			
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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
42	2/5/19	5:55	LEL 50 % O_2 PASS % VOC 100 ppm ___ ppm H_2S 10 ppm NH3 50 ppm	JDL	Needs to be down loaded
17	2/5/19	5:58	LEL 49 % O_2 PASS % VOC 96 ppm ___ ppm H_2S 10 ppm CO 48 ppm	JDL	
125	2/5/19	5:56	LEL PASS % O_2 PASS % VOC PASS ppm ___ ppm H_2S PASS ppm SO2 PASS ppm	JDL	Bump test Autoflow
23	2/5/19	5:56	LEL ___ % O_2 ___ % VOC ___ ppm ___ ppm H_2S ___ ppm Benzene 5 ppm	JDL	Bump test Auto flow. POST - PASS @ 1751
22	2/5/9	6:11	LEL 51 % O_2 PASS % VOC 100 ppm ___ ppm H_2S 10 ppm SO2 4.8 ppm	JDL	
126	2/5/9	6:12	LEL PASS % O_2 PASS % VOC PASS ppm ___ ppm H_2S PASS ppm SO2 PASS ppm	JDL	
3	2/5/9	6:14	LEL ___ % O_2 ___ % VOC ___ ppm ___ ppm H_2S ___ ppm Benzene PASS ppm	JDL	

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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
7	2/5/19	10:00 AM	LEL ____ % O_2 ____ % VOC ____ ppm ____ ppm H_2S ____ ppm ____ ppm	JDW	LEL wiss off - Tagged out
25	2/5/19	10:08	LEL 50 % O_2 ____ % VOC 95.5 ppm ____ ppm H_2S 10 ppm CO 51 ppm	JDW	
121	2/5/19	1:25p	LEL PASS % O_2 PASS % VOC PASS ppm CO PASS ppm H_2S PASS ppm NH_3 PASS ppm	JDW	POST- PASSED 1751
8	2/5/19	1:34p	LEL 51 % O_2 PASS % VOC ____ ppm ____ ppm H_2S 10 ppm CO 52 ppm	JDW	Failed VOC Tagged out.
37	2/5/19	1:44p	LEL 54 49 % O_2 PASS % VOC 104 ppm ____ ppm H_2S 10 ppm CO 50 ppm	JDW	
4	2/5/19	2:38p	LEL PASS % O_2 PASS % VOC PASS ppm SO_2 PASS ppm H_2S PASS ppm CO PASS ppm	JDW	Needs calibrate
17	2/5/19	1745	LEL 43 % O_2 0 % VOC 97 ppm CO 45 ppm H_2S 10 ppm ____ ppm	D.P.	POST BUMP good.

2/5/19

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
A.R. 17	HEIDT + ORMOND	0820	0		0	0	CO=0 O2=20.9	
M.R. 125	"	"	0		0	0	CO=0 SO2=0 O2=20.9	
17	PLEASANT + LIDDESDALE	0840	0		0	0	CO=0 O2=20.9	
125	"	"	0		0	0	CO=0 SO2=0 O2=20.9	
17	1721 WEST PLEASANT	0915	0		0	0	CO=0 O2=20.9	
125	"	"	0		0	0	CO=0 SO2=0 O2=20.9	
17	DEACON + SCHAEFER	0927	0		0	0	CO=0 O2=20.9	
125	"	"	0		0	0	CO=0 SO2=0 O2=20.9	
17	KEMENY REC. CENTER	0945	0		0	0	CO=0 O2=20.9	
125	"	"	0		0	0	CO=0 SO2=0 O2=20.9	
17	W. OUTER DR + ELECTRIC	1021	0		0	0	CO=0 O2=20.9	
125	"	"	0		0	0	CO=0 SO2=0 O2=20.9	
17	VISGER + W. JEFFERSON	1042	0		0	0	CO=0 O2=20.9	
125	"	"	0		0	0	CO=0 SO2=0 O2=20.9	
17	1721 WEST PLEASANT	1054	0		0	0	CO=0 O2=20.9	
125	"	"	0		0	0	CO=0 SO2=0 O2=20.9	
17	RIVERSIDE + HEIDT	1212	0		0	0	CO=0 O2=20.9	
125	"	"	0		0	0	CO=0 SO2=0 O2=20.9	

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D. PEK / A. DARZU

2/5/19

AMT FIELD DATA FORM

Monitoring Results								
UNIT Location ID	Location Description/GPS Coordinates	Time	VOC (ppm)	Benzene (ppm)	LEL (%)	H_2S (ppm)	Other (List)	Observations/Comments
A.R 17	S. WATERMAN + SOUTH	1235	0		0	0	CO=0 O2=20.9	
M.R 125	"	"	0		0	0	CO=0 SO2=0 O2=20.9	
17	ANCIBOR + W. JEFFERSON	1248	0		0	0	CO=0 O2=20.9	
125	"	"	0		0	0	CO=0 SO2=0 O2=20.9	
125	—	1250						LOW BATT.
		1330						RTN OVM, REPLACE M.R 125 w/ M.R. 121
		1400						REPLACE A.R. CPLY 6.
17	KLEMENY REC. CENTER	1422	0		0	0	CO=0 O2=20.9	
121	"	1422	0		0	0	CO=0 NH3=0 O2=20.9	
17	RIALTO + S. WABASH	1444	0		0	0	CO=0 O2=20.9	
121	"	1444	0		0	0	CO=0 NH3=0 O2=20.9	
17	FRANCIS + N. WABASH	1500	0		0	0	CO=0 O2=0	
121	"	"	0		0	0	CO=0 NH3=0 O2=20.9	
17	"	1515	0		0	0	CO=0 O2=0	
121	"	"	0		0	0	CO=0 NH3=0 O2=20.9	
17	SCHAEFER + OAKWOOD	1525	0		0	0	CO=0 O2=20.9	MILD ODOR
121	"	"	0		0	0	CO=0 NH3=0 O2=20.9	"
17	FRANCIS + N. WABASH	1627	0		0	0	CO=0 O2=20.9	

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D. PEK/A. DARZ

2/5/19

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	FRANCIS + N. WABASH	1627	0		0	0	CO = 0 NH3 = 0 O2 = 20.9	
17	RIALTO + S. WABASH	1650	0		0	0	CO = 0 O2 = 20.9	
121	"	"	0		0	0	CO = 0 NH3 = 0 O2 = 20.9	
17	RIALTO + OUTERDRIVE	1708	0		0	0	CO = 0 O2 = 20.9	
121	"	"	0		0	0	CO = 0 NH3 = 0 O2 = 20.9	
17	SEAWAY DR - GUARD SHACK	1719	0		0	0	CO = 0 O2 = 20.9	
121	"	"	0		0	0	CO = 0 NH3 = 0 O2 = 20.9	

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D. PEK / A. DARZU

AMT FIELD DATA FORM

UltraRAE (VOC)	UltraRAE (Benzene)	Multigas/LEL	Other	Detector Tubes
Serial No.	Serial No.	Mfg/Model: 126	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:

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
	Fort & Dearborn	8:35	BDL	BDL	BDL	BDL	20.9 O2	No Detectable Odor	DF
*	Junction & Plummer	9:01	BDL	BDL	BDL	BDL	20.9 O2	No Detectable Odor	DF
*	Plummer & McKinstey	9:03	BDL	BDL	BDL	BDL	20.9 O2	No Detectable odor	DF
*	Toledo & Lansing	9:05	BDL	BDL	BDL	BDL	20.9 O2	No Detectable odor	DF
	Junction & McGregor	9:08	BDL	BDL	BDL	BDL	20.9 O2	No Unusual Odor	DF
	Lockwood & Michigan	9:11	BDL	BDL	BDL	BDL	20.9% O2	No Detectable Odor	DF
	Clark & Brandon	9:15	BDL	BDL	BDL	BDL	20.9%	No Detectable odor	DF
	Clark & Vernon	9:17	BDL	BDL	BDL	BDL	20.9%	No Detectable odor	DF
	Fort & Clark	9:20	BDL	BDL	BDL	BDL	20.9%	No Detectable odor	DF
	McKinstey & Jefferson	9:24	BDL	BDL	BDL	BDL	20.9%	No Detectable odor	DF
	Livernois & Jefferson	9:28	BDL	BDL	BDL	BDL	20.9%	No Detectable odor	DF

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
	Ormond - Bayside	1:31	BDL	BDL	BDL	BDL	20.9%	No detectable odor
	Pleasant - Liddsdale	1:37	BDL	BDL	BDL	BDL	20.9%	No detectable odor
	Pleasant - Jefferson	1:41	BDL	BDL	BDL	BDL	20.9%	No Detectable odor
	ORMOND - Colonial	1:54	BDL	BDL	BDL	BDL	20.9%	No Detectable odor
	Ford Island	1:56	BDL	BDL	BDL	BDL	20.9%	NDO
	Fort - Downing	2:05	BDL	BDL	BDL	BDL	20.9%	NDO
	Fort - Conway	2:05	BDL	BDL	BDL	BDL	20.9%	NDO
	Edsel - Downing	2:12	BDL	BDL	BDL	BDL	20.9%	NDO
	Raupp - Homestead	3:19	BDL	BDL	BDL	BDL	20.9% O_2	NDO
	Leo - Flora	3:23	BDL	BDL	BDL	BDL	20.9% O_2	NDO
	Contractor Village	3:31	BDL	BDL	BDL	BDL	20.9% O_2	NDO
	980 Dix	3:33	BDL	BDL	BDL	BDL	20.9% O_2	NDO
	Riverside & Vernor	3:41	BDL	BDL	BDL	BDL	20.9% O_2	NDO
	Industrial - Riverside	3:47	BDL	BDL	BDL	BDL	20.9%	NDO
	Industrial - Dix	3:49	BDL	BDL	BDL	BDL	20.9%	NDO

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AMT FIELD DATA FORM

UltraRAE (VOC)	UltraRAE (Benzene)	Multigas/LEL	Other	Detector Tubes
Serial No.	Serial No.	Mfg/Model: 124	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:
BPV	DAVE FRANCIS	2-5-19

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
	Schaefter-Liddesdale	10:41	BDL	BDL	BDL	BDL	20.9% O2	No detectable odor	DF
	Downing-Deacon	10:41	BDL	BDL	BDL	BDL	20.9% O2	No detectable odor	DF
	Eaton-Palmerson	10:50	BDL	BDL	BDL	BDL	20.9% O2	No detectable odor	DF
	Coolidge-Frazier	10:56	BDL	BDL	BDL	BDL	20.9% O2	No detectable odor	DF
	Jefferson-James	11:00	BDL	BDL	BDL	BDL	20.9%	No detectable odor	DF
	Cicott-Brown Lee	11:02	BDL	BDL	BDL	BDL	20.9%	NDO	DF
	Campbell-Coolidge	11:04	BDL	BDL	BDL	BDL	20.9%	NDO	DF
	Coolidge-Deacon	11:10	BDL	BDL	BDL	BDL	20.9%	NDO	DF
	Stocker St. Rouge Term. Entr.	11:15	BDL	BDL	BDL	BDL	20.9%	NDO	DF
	Dearborn-Forte	11:22	BDL	BDL	BDL	BDL	20.9%	NDO	DF
	Lafayette-Green	11:28	BDL	BDL	BDL	BDL	20.9%	NDO	DF

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AMT FIELD DATA FORM

UltraRAE (VOC)	UltraRAE (Benzene)	Multigas/LEL	Other	Detector Tubes
Serial No.	Serial No.	Mfg/Model: 124	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:

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
	Chalkfield-Beard	11:31	BDL	BDL	BDL	BDL	20.9%	NDO	
	Longworth-Spring wells	1:14	BDL	BDL	BDL	BDL	20.9% DL	NDO	

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