

User ID: HPI

FREQUENCY DISTRIBUTION REPORT

Report Request ID: 1732640

Report Code: AMP230

Apr. 2, 2019

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
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49

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
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CRITERIA

SELECTED OPTIONS

Option Type	Option Value
SUMMARY CRITERIA	INCLUDE ALL DATA
MERGE PDF FILES	YES
EVENTS PROCESSING	REPORT ALL EVENT RECORDS
AGENCY ROLE	PQAO

SORT ORDER

Order	Column
1	STATE_CODE
2	COUNTY_CODE
3	SITE_ID
4	EPA_REGION
5	DATES
6	PARAMETER_CODE
7	POC

DATE CRITERIA

Start Date	End Date
2018	2018

APPLICABLE STANDARDS

Standard Description
CO 8-hour 1971
Lead 3-Month 2009
Lead 3-Month PM10 Surrogate 2009
NO2 Annual 1971
Ozone 8-Hour 2008
PM10 24-hour 2006
PM25 24-hour 2012
SO2 1-hour 2010

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

EXCEPTIONAL DATA TYPES

EDT	DESCRIPTION
0	NO EVENTS
1	EVENTS EXCLUDED
2	EVENTS INCLUDED
5	EVENTS WITH CONCURRENCE EXCLUDED

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-003-0003
 County: Box Elder
 City: Brigham City
 Support Agency: 1113
 Address: 140 W.FISHBURN DRIVE, BRIGHAM CITY, UT

AQCR: UTAH
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +41.492707
 Longitude: -112.018863
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,334.0

Site Comments: SITE FOR OZONE, PM2.5, AND MET:

Parameter	POC	PQAO		Method of Collection and Analysis								MDL	Duration	EDT	Unit Desc							
Year	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum	Values	Arith	Mean		
42602-Nitrogen dioxide (NO2)	1			1113					INSTRUMENTAL GAS PHASE CHEMILUMINESCENCE								2.7	1 HOUR	0	Parts per billion		
2018	0	91	91	7984			.0	10	25	50	75	90	95	98	99	1	2	7.33				
								1.0	2.0	4.0	10.0	18.0	24.0	31.0	33.0		40.0	40.0				
44201-Ozone	1			1113											8-HR RUN AVG	0	Parts per million					
2018	0	99	99	8722	1	1	.003	10	25	50	75	90	95	98	99	1	2	.0443				
								.025	.035	.045	.055	.063	.066	.070	.072		.086	.075				
88101-PM2.5 - Local Conditions	1			1113						R & P Model 2025 Gravimetric								2	24 HOUR	1	Micrograms/cubic meter (LC)	
2018	0	99	99	361	0	0	.7	10	25	50	75	90	95	98	99	1	2	6.89				
								1.7	2.7	4.9	8.9	14.4	18.9	26.1	32.1		35.1	34.9				
88101-PM2.5 - Local Conditions	1			1113						R & P Model 2025 Gravimetric								2	24 HOUR	2	Micrograms/cubic meter (LC)	
2018	1	99	99	362	1	1	.7	10	25	50	75	90	95	98	99	1	2	6.98				
								1.7	2.7	5.0	9.0	15.0	19.0	26.2	32.3		39.2	35.1				
88101-PM2.5 - Local Conditions	1			1113						R & P Model 2025 Gravimetric								2	24 HOUR	5	Micrograms/cubic meter (LC)	
2018	1	99	99	362	1	1	.7	10	25	50	75	90	95	98	99	1	2	6.98				
								1.7	2.7	5.0	9.0	15.0	19.0	26.2	32.3		39.2	35.1				

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Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages								Maximum Values	Arith Mean	
88101-PM2.5 - Local Conditions		3		1113			Thermo Scientific Model 5030 SHARP w/VSCC						2	1 HOUR	1	Micrograms/cubic meter (LC)	
2018	0	98	8586			-.1	10	25	50	75	90	95	98	99	1	2	8.50
							1.7	3.4	6.3	10.8	17.7	23.3	32.2	37.7		76.3	72.0
88101-PM2.5 - Local Conditions		3		1113			Thermo Scientific Model 5030 SHARP w/VSCC						2	1 HOUR	2	Micrograms/cubic meter (LC)	
2018	24	98	8610			-.1	10	25	50	75	90	95	98	99	1	2	8.59
							1.7	3.4	6.3	10.8	17.9	23.8	33.4	38.2		76.3	72.0
88101-PM2.5 - Local Conditions		3		1113			Thermo Scientific Model 5030 SHARP w/VSCC						2	1 HOUR	5	Micrograms/cubic meter (LC)	
2018	24	98	8610			-.1	10	25	50	75	90	95	98	99	1	2	8.59
							1.7	3.4	6.3	10.8	17.9	23.8	33.4	38.2		76.3	72.0
88101-PM2.5 - Local Conditions		3		1113										24-HR BLK AVG	1	Micrograms/cubic meter (LC)	
2018	0	98	358	3	3	1.1	10	25	50	75	90	95	98	99	1	2	8.47
							2.4	4.1	6.7	10.3	17.0	21.2	29.6	34.5		39.1	38.1
88101-PM2.5 - Local Conditions		3		1113										24-HR BLK AVG	2	Micrograms/cubic meter (LC)	
2018	0	98	359	4	4	1.1	10	25	50	75	90	95	98	99	1	2	8.56
							2.5	4.1	6.7	10.4	17.2	21.9	30.5	37.7		39.1	38.5

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Site Comments: SITE FOR OZONE, PM2.5, AND MET:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages									Maximum Values	Arith Mean
88101-PM2.5 - Local Conditions		3			1113									24-HR BLK AVG	5	Micrograms/cubic meter (LC)		
2018	0	98	359	4	4	1.1	10	25	50	75	90	95	98	99		1	2	8.56
							2.5	4.1	6.7	10.4	17.2	21.9	30.5	37.7		39.1	38.5	

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-003-7001
 County: Box Elder
 City: Not in a city
 Support Agency: 195
 Address: 8600 WEST 24000 NORTH PORTAGE, UTAH

AQCR: UTAH
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: RURAL
 Land Use: AGRICULTURAL

Latitude: +41.945874
 Longitude: -112.233973
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,369.0

Site Comments: SITE IS LOCATED IN MALAD VALLEY:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc			
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages									Maximum	Values	Arith Mean
42602-Nitrogen dioxide (NO2)		1		195		Instrumental		Chemiluminescence Teledyne API 200 EU/501							.05	1 HOUR	0	Parts per billion	
2018	0	33	2906			.0	10	25	50	75	90	95	98	99		1	2	1.54	
							.0	.0	1.0	2.0	4.0	6.0	8.0	9.0		17.0	17.0		
44201-Ozone		1		195		Instrumental		8-HR RUN AVG BEGIN HOUR									0	Parts per million	
2018	0	98	8686	1	1	.011	10	25	50	75	90	95	98	99		1	2	.0456	
							.031	.037	.046	.054	.060	.063	.068	.069		.082	.070		

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-005-0007
 County: Cache
 City: Smithfield
 Support Agency: 1113
 Address: 675 West 220 North

AQCR: UTAH
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: RURAL
 Land Use: RESIDENTIAL

Latitude: +41.842649
 Longitude: -111.852199
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1.0

Site Comments:

Parameter	POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc					
Year	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages									Maximum Values	Arith Mean	
42602-Nitrogen dioxide (NO2)	1			1113					INSTRUMENTAL GAS PHASE CHEMILUMINESCENCE							2.7	1 HOUR	0	Parts per billion	
2018	0	97	8510				-2.0	10	25	50	75	90	95	98	99	1	2	4.49		
								1.0	1.0	3.0	5.0	11.0	15.0	20.0	24.0		40.0	35.0		
44201-Ozone	1			1113											8-HR RUN AVG	0	Parts per million			
2018	0	99	8684	0	0		.013	10	25	50	75	90	95	98	99		1	2	.0455	
								.029	.038	.046	.054	.060	.063	.066	.069		.071	.071		
81102-PM10 Total 10um STP	1			1113					R - P Co Partisol Model 2025 Gravimetric							4	24 HOUR	0	Micrograms/cubic meter (25 C)	
2018	0	89	324	0	0		1	10	25	50	75	90	95	98	99	1	2	18.6		
								4	8	14	28	40	45	57	64		70	67		
81102-PM10 Total 10um STP	2			1113					R - P Co Partisol Model 2025 Gravimetric							4	24 HOUR	0	Micrograms/cubic meter (25 C)	
2018	0	98	60	0	0		2	10	25	50	75	90	95	98	99	1	2	20.1		
								4	7	15	31	44	55	58	71		71	58		
88101-PM2.5 - Local Conditions	1			1113					R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC							2	24 HOUR	1	Micrograms/cubic meter (LC)	
2018	0	89	324	1	1		.6	10	25	50	75	90	95	98	99	1	2	7.36		
								1.9	3.2	4.9	8.8	16.1	23.0	28.9	30.5		37.3	31.7		

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 Vertical Meas: 1.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum Values	Arith Mean
88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	2	Micrograms/cubic meter (LC)		
2018	2	89	326	3	3	.6	10	25	50	75	90	95	98	99	1	2	7.58
						2.1	3.2	4.9	8.9	16.2	24.0	29.7	31.7	45.8	40.3		
88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	5	Micrograms/cubic meter (LC)		
2018	2	89	326	3	3	.6	10	25	50	75	90	95	98	99	1	2	7.58
						2.1	3.2	4.9	8.9	16.2	24.0	29.7	31.7	45.8	40.3		
88101-PM2.5 - Local Conditions		2		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	0	Micrograms/cubic meter (LC)		
2018	0	93	57	1	1	1.0	10	25	50	75	90	95	98	99	1	2	7.42
						1.9	2.8	4.6	8.8	16.5	20.8	33.8	45.0	45.0	33.8		
88101-PM2.5 - Local Conditions		3		1113		Thermo Scientific TEOM 1405-DF Dichotomous FDMS						2	1 HOUR	1	Micrograms/cubic meter (LC)		
2018	0	99	8592			-10.0	10	25	50	75	90	95	98	99	1	2	7.13
						.7	2.5	5.0	9.2	16.7	23.1	30.0	34.2	66.2	53.4		

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Latitude: +41.842649
 Longitude: -111.852199
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 Utm Northing:
 Utm Easting:
 Vertical Meas: 1.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages										Maximum Values	Arith Mean
88101-PM2.5 - Local Conditions		3		1113			Thermo Scientific TEOM 1405-DF Dichotomous FDMS							2	1 HOUR	2	Micrograms/cubic meter (LC)	
2018	46	99	8638			-10.0	10	25	50	75	90	95	98	99		1	2	7.32
							.8	2.6	5.1	9.4	17.1	23.7	30.9	36.6			78.7	76.8
88101-PM2.5 - Local Conditions		3		1113			Thermo Scientific TEOM 1405-DF Dichotomous FDMS							2	1 HOUR	5	Micrograms/cubic meter (LC)	
2018	46	99	8638			-10.0	10	25	50	75	90	95	98	99		1	2	7.32
							.8	2.6	5.1	9.4	17.1	23.7	30.9	36.6			78.7	76.8
88101-PM2.5 - Local Conditions		3		1113			24-HR BLK AVG								24-HR BLK AVG	1	Micrograms/cubic meter (LC)	
2018	0	99	359	1	1	-2.3	10	25	50	75	90	95	98	99		1	2	7.07
							2.0	3.1	5.0	8.4	14.6	21.2	26.1	29.7			36.9	35.4
88101-PM2.5 - Local Conditions		3		1113			24-HR BLK AVG								24-HR BLK AVG	2	Micrograms/cubic meter (LC)	
2018	0	99	361	3	3	-2.3	10	25	50	75	90	95	98	99		1	2	7.27
							2.0	3.1	5.1	8.7	14.9	22.3	27.9	35.4			43.7	40.2
88101-PM2.5 - Local Conditions		3		1113			24-HR BLK AVG								24-HR BLK AVG	5	Micrograms/cubic meter (LC)	
2018	0	99	361	3	3	-2.3	10	25	50	75	90	95	98	99		1	2	7.27
							2.0	3.1	5.1	8.7	14.9	22.3	27.9	35.4			43.7	40.2

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Utah

Site ID: 49-005-0007
 County: Cache
 City: Smithfield
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 Urban Area: NOT IN AN URBAN AREA
 Location Setting: RURAL
 Land Use: RESIDENTIAL

Latitude: +41.842649
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 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages									Maximum Values	Arith Mean	
88101-PM2.5 - Local Conditions		4		1113			Thermo Scientific Model 5030 SHARP w/VSCC							2	1 HOUR	1	Micrograms/cubic meter (LC)	
2018	0	100	8179			.0	10	25	50	75	90	95	98	99		1	2	8.89
							1.4	3.1	6.0	11.5	20.7	27.7	34.9	38.5		52.6	51.8	
88101-PM2.5 - Local Conditions		4		1113			Thermo Scientific Model 5030 SHARP w/VSCC							2	1 HOUR	2	Micrograms/cubic meter (LC)	
2018	48	100	8227			.0	10	25	50	75	90	95	98	99		1	2	9.11
							1.5	3.2	6.1	11.8	21.2	28.5	36.2	41.6		75.9	75.8	
88101-PM2.5 - Local Conditions		4		1113			Thermo Scientific Model 5030 SHARP w/VSCC							2	1 HOUR	5	Micrograms/cubic meter (LC)	
2018	48	100	8227			.0	10	25	50	75	90	95	98	99		1	2	9.11
							1.5	3.2	6.1	11.8	21.2	28.5	36.2	41.6		75.9	75.8	
88101-PM2.5 - Local Conditions		4		1113											24-HR BLK AVG	1	Micrograms/cubic meter (LC)	
2018	0	100	340	3	3	.5	10	25	50	75	90	95	98	99		1	2	8.88
							22.3	23.3	26.3	32.9	33.8	41.1	43.2	43.2		43.2	41.1	
88101-PM2.5 - Local Conditions		4		1113											24-HR BLK AVG	2	Micrograms/cubic meter (LC)	
2018	0	100	342	5	5	.5	10	25	50	75	90	95	98	99		1	2	9.10
							22.5	24.0	29.0	33.4	41.1	43.5	48.6	48.6		48.6	43.5	

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Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc			
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages									Maximum Values	Arith Mean		
88101-PM2.5 - Local Conditions		4		1113										24-HR BLK AVG	5	Micrograms/cubic meter (LC)			
2018	0	100	342	5	5	.5	10	25	50	75	90	95	98	99	1	2	9.10		
							22.5	24.0	29.0	33.4	41.1	43.5	48.6	48.6		48.6	43.5		
88101-PM2.5 - Local Conditions		5		1113			Thermo Scientific Model 5030 SHARP w/VSCC							Beta Attenuation	2	1 HOUR	1	Micrograms/cubic meter (LC)	
2018	0	81	7017			-1.5	10	25	50	75	90	95	98	99	1	2	8.47		
							1.6	3.2	5.8	10.8	19.9	25.7	32.0	35.5		49.8	48.8		
88101-PM2.5 - Local Conditions		5		1113			Thermo Scientific Model 5030 SHARP w/VSCC							Beta Attenuation	2	1 HOUR	2	Micrograms/cubic meter (LC)	
2018	48	81	7065			-1.5	10	25	50	75	90	95	98	99	1	2	8.72		
							1.6	3.3	5.9	11.0	20.4	26.5	33.0	37.1		76.2	76.1		
88101-PM2.5 - Local Conditions		5		1113			Thermo Scientific Model 5030 SHARP w/VSCC							Beta Attenuation	2	1 HOUR	5	Micrograms/cubic meter (LC)	
2018	48	81	7065			-1.5	10	25	50	75	90	95	98	99	1	2	8.72		
							1.6	3.3	5.9	11.0	20.4	26.5	33.0	37.1		76.2	76.1		
88101-PM2.5 - Local Conditions		5		1113										24-HR BLK AVG	1	Micrograms/cubic meter (LC)			
2018	0	81	293	1	1	.5	10	25	50	75	90	95	98	99	1	2	8.42		
							2.2	3.9	5.9	10.8	18.6	24.6	30.9	31.7		41.2	32.4		

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Site Comments:

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Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages									Maximum Values	Arith Mean
88101-PM2.5 - Local Conditions		5		1113										24-HR BLK AVG	2	Micrograms/cubic meter (LC)		
2018	0	81	295	3	3	.5	10	25	50	75	90	95	98	99		1	2	8.67
							2.4	4.0	6.0	11.1	19.1	25.0	31.6	41.2			48.1	41.4
88101-PM2.5 - Local Conditions		5		1113										24-HR BLK AVG	5	Micrograms/cubic meter (LC)		
2018	0	81	295	3	3	.5	10	25	50	75	90	95	98	99		1	2	8.67
							2.4	4.0	6.0	11.1	19.1	25.0	31.6	41.2			48.1	41.4

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-007-1003	AQCR: UTAH	Latitude: +39.609960
County: Carbon	Urban Area: NOT IN AN URBAN AREA	Longitude: -110.800749
City: Price	Location Setting: SUBURBAN	UTM Zone:
Support Agency: 1113	Land Use: RESIDENTIAL	Utm Northing:
Address: On Prperty of Resident at 351 W 2500 E. Price, Utah		Utm Easting:
		Vertical Meas: 1,722.0

Site Comments:

Parameter	POC	PQAO	Method of Collection and Analysis										MDL	Duration	EDT	Unit Desc									
Year	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages												Maximum	Values	Arith	Mean	
42602-Nitrogen dioxide (NO2)	1			1113					INSTRUMENTAL										2.7	1 HOUR	0	Parts per billion			
2018	0	85	7459				.0	10	25	50	75	90	95	98	99		1	2	1.83						
								.0	1.0	1.0	2.0	4.0	5.0	7.0	9.0		26.0	21.0							
44201-Ozone	1			1113																8-HR RUN AVG	0	Parts per million			
2018	0	99	8697	0	0		.024	10	25	50	75	90	95	98	99		1	2	.0503						
								.038	.042	.050	.058	.064	.066	.069	.073		.075	.074							

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-011-0004	AQCR: WASATCH FRONT	Latitude: +40.902967
County: Davis	Urban Area: SALT LAKE CITY, UT	Longitude: -111.884467
City: Bountiful	Location Setting: SUBURBAN	UTM Zone:
Support Agency: 1113	Land Use: RESIDENTIAL	Utm Northing:
Address: 171 WEST 1370 NORTH, BOUNTIFUL, UTAH		Utm Easting:
		Vertical Meas: 1,309.0

Site Comments: NEW SITE TO REPLACE 490110001:

Year	Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc		
	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Percentages									Maximum Values	Arith Mean	
	42602-Nitrogen dioxide (NO2)		1		1113		INSTRUMENTAL						2.7	1 HOUR	0	Parts per billion		
2018	0	98	8599				.0	10	25	50	75	90	95	98	99	1	2	11.95
							2.0	4.0	8.0	17.0	28.0	33.0	38.0	41.0		60.0	58.0	
	44201-Ozone		1		1113		INSTRUMENTAL							8-HR RUN AVG	0	Parts per million		
2018	0	99	8734	7	7	.004	10	25	50	75	90	95	98	99	1	2	.0438	
							.020	.033	.044	.056	.064	.068	.074	.080		.086	.082	
	81102-PM10 Total 0-10um STP		5		1113		R - P Co Partisol Model 2000						4	24 HOUR	0	Micrograms/cubic meter (25 C)		
2018	0	72	45	0	0	4	10	25	50	75	90	95	98	99	1	2	19.9	
							7	9	18	26	38	40	72	72		72	48	
	88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	1	Micrograms/cubic meter (LC)		
2018	0	98	355	0	0	.8	10	25	50	75	90	95	98	99	1	2	7.86	
							2.2	3.4	5.7	10.3	16.5	21.4	25.6	29.5		32.5	31.2	
	88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	2	Micrograms/cubic meter (LC)		
2018	1	98	356	1	1	.8	10	25	50	75	90	95	98	99	1	2	7.95	
							2.2	3.5	5.8	10.4	16.5	21.6	25.7	30.6		38.3	32.5	

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-011-0004	AQCR: WASATCH FRONT	Latitude: +40.902967
County: Davis	Urban Area: SALT LAKE CITY, UT	Longitude: -111.884467
City: Bountiful	Location Setting: SUBURBAN	UTM Zone:
Support Agency: 1113	Land Use: RESIDENTIAL	Utm Northing:
Address: 171 WEST 1370 NORTH, BOUNTIFUL, UTAH		Utm Easting:
		Vertical Meas: 1,309.0

Site Comments: NEW SITE TO REPLACE 490110001:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages							Maximum Values	Arith Mean	
88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	5	Micrograms/cubic meter (LC)		
2018	1	98	356	1	1	.8	10	25	50	75	90	95	98	99	1	2	7.95
						2.2	3.5	5.8	10.4	16.5	21.6	25.7	30.6		38.3	32.5	
88101-PM2.5 - Local Conditions		3		1113		Thermo Scientific Model 5030 SHARP w/VSCC						2	1 HOUR	1	Micrograms/cubic meter (LC)		
2018	0	94	8169			-2.9	10	25	50	75	90	95	98	99	1	2	7.33
						1.3	2.8	5.5	9.3	15.0	20.2	29.5	35.2		176.8	156.7	
88101-PM2.5 - Local Conditions		3		1113		Thermo Scientific Model 5030 SHARP w/VSCC						2	1 HOUR	2	Micrograms/cubic meter (LC)		
2018	24	94	8193			-2.9	10	25	50	75	90	95	98	99	1	2	7.43
						1.3	2.9	5.6	9.3	15.2	20.8	30.5	37.4		176.8	156.7	
88101-PM2.5 - Local Conditions		3		1113		Thermo Scientific Model 5030 SHARP w/VSCC						2	1 HOUR	5	Micrograms/cubic meter (LC)		
2018	24	94	8193			-2.9	10	25	50	75	90	95	98	99	1	2	7.43
						1.3	2.9	5.6	9.3	15.2	20.8	30.5	37.4		176.8	156.7	
88101-PM2.5 - Local Conditions		3		1113									24-HR BLK AVG	1	Micrograms/cubic meter (LC)		
2018	0	93	338	0	0	.4	10	25	50	75	90	95	98	99	1	2	7.22
						1.9	3.5	5.7	9.1	14.0	18.4	25.4	31.9		33.8	33.8	

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-011-0004
 County: Davis
 City: Bountiful
 Support Agency: 1113
 Address: 171 WEST 1370 NORTH, BOUNTIFUL, UTAH

AQCR: WASATCH FRONT
 Urban Area: SALT LAKE CITY, UT
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +40.902967
 Longitude: -111.884467
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,309.0

Site Comments: NEW SITE TO REPLACE 490110001:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages									Maximum Values	Arith Mean
88101-PM2.5 - Local Conditions		3		1113											24-HR BLK AVG	2	Micrograms/cubic meter (LC)	
2018	0	93	339	1	1	.4	10	25	50	75	90	95	98	99		1	2	7.32
							1.9	3.6	5.8	9.2	14.6	18.9	27.2	32.1			42.0	33.8
88101-PM2.5 - Local Conditions		3		1113											24-HR BLK AVG	5	Micrograms/cubic meter (LC)	
2018	0	93	339	1	1	.4	10	25	50	75	90	95	98	99		1	2	7.32
							1.9	3.6	5.8	9.2	14.6	18.9	27.2	32.1			42.0	33.8

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-013-0002
 County: Duchesne
 City: Roosevelt
 Support Agency: 1113
 Address: 290 S. 1000 W.

AQCR: UTAH
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +40.294178
 Longitude: -110.009732
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,596.0

Site Comments:

Year	Exc	Evt	POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc	
			%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum	Values
42602-Nitrogen dioxide (NO2)																		
2018	0	94	8197				.0	10	25	50	75	90	95	98	99	1	2	3.87
.8 1.4 2.7 5.1 8.6 11.3 14.8 16.7 28.9 28.2 INSTRUMENTAL CHEMILUMINESCENCE 1 1 HOUR 0 Parts per billion																		
44201-Ozone																		
2018	0	94	8190	0	0	.018	10	25	50	75	90	95	98	99	1	2	.0486	
.032 .038 .049 .059 .065 .068 .071 .071 .075 .074 8-HR RUN AVG BEGIN HOUR 1 Parts per million																		
44201-Ozone																		
2018	0	94	8231	1	1	.018	10	25	50	75	90	95	98	99	1	2	.0487	
.032 .038 .049 .059 .065 .068 .071 .071 .079 .075 8-HR RUN AVG BEGIN HOUR 2 Parts per million																		
44201-Ozone																		
2018	0	94	8231	1	1	.018	10	25	50	75	90	95	98	99	1	2	.0487	
.032 .038 .049 .059 .065 .068 .071 .071 .079 .075 8-HR RUN AVG BEGIN HOUR 5 Parts per million																		
88101-PM2.5 - Local Conditions																		
2018	0	98	8519			.0	10	25	50	75	90	95	98	99	1	2	6.55	
1.5 2.8 4.7 7.9 13.1 17.6 26.4 32.3 96.1 73.1 Thermo Scientific Beta Attenuation 2 1 HOUR 1 Micrograms/cubic meter (LC)																		
w/VSCC																		
88101-PM2.5 - Local Conditions																		
2018	72	98	8591			.0	10	25	50	75	90	95	98	99	1	2	6.81	
1.6 2.8 4.8 8.0 13.4 18.2 28.6 37.2 137.3 135.5 Thermo Scientific Beta Attenuation 2 1 HOUR 2 Micrograms/cubic meter (LC)																		
w/VSCC																		

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-013-0002
 County: Duchesne
 City: Roosevelt
 Support Agency: 1113
 Address: 290 S. 1000 W.

AQCR: UTAH
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +40.294178
 Longitude: -110.009732
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,596.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages								Maximum Values	Arith Mean	
88101-PM2.5 - Local Conditions		3		1113			Thermo Scientific Model 5030 SHARP w/VSCC						2	1 HOUR	5	Micrograms/cubic meter (LC)	
2018	72	98	8591			.0	10	25	50	75	90	95	98	99	1	2	6.81
							1.6	2.8	4.8	8.0	13.4	18.2	28.6	37.2	137.3	135.5	
88101-PM2.5 - Local Conditions		3		1113			Beta Attenuation							24-HR BLK AVG	1	Micrograms/cubic meter (LC)	
2018	0	98	355	1	1	.3	10	25	50	75	90	95	98	99	1	2	6.50
							2.1	3.4	4.9	7.9	12.3	16.7	21.8	23.9	36.0	27.1	
88101-PM2.5 - Local Conditions		3		1113			Beta Attenuation							24-HR BLK AVG	2	Micrograms/cubic meter (LC)	
2018	0	98	358	3	3	.3	10	25	50	75	90	95	98	99	1	2	6.75
							2.3	3.5	4.9	8.1	13.0	18.3	23.9	29.2	43.1	37.2	
88101-PM2.5 - Local Conditions		3		1113			Beta Attenuation							24-HR BLK AVG	5	Micrograms/cubic meter (LC)	
2018	0	98	358	3	3	.3	10	25	50	75	90	95	98	99	1	2	6.75
							2.3	3.5	4.9	8.1	13.0	18.3	23.9	29.2	43.1	37.2	

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-013-7011	AQCR: UTAH	Latitude: +40.216779
County: Duchesne	Urban Area: NOT IN AN URBAN AREA	Longitude: -110.182742
City: Not in a city	Location Setting: RURAL	UTM Zone:
Support Agency: 687	Land Use: DESERT	Utm Northing:
Address: 6000 SOUTH AND 10000 WEST (MYTON)		Utm Easting:
		Vertical Meas: 1,606.0

Site Comments: TSP, WS, WD, TEMP, %RH, PRECIP, SOLAR RADIATION:

Parameter	POC	PQAO		Method of Collection and Analysis										MDL	Duration	EDT	Unit Desc									
Year	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages													Maximum	Values	Arith	Mean	
42602-Nitrogen dioxide (NO2)	1			687					Instrumental	Chemiluminescence Teledyne API 200 EU/501										.05	1 HOUR	0	Parts per billion			
2018	0	98	8622				.2	10	25	50	75	90	95	98	99		1	2	2.99							
								.9	1.4	2.4	4.0	5.9	7.3	9.0	10.3		18.3	17.7								
44201-Ozone	1			687											8-HR RUN AVG BEGIN HOUR	0	Parts per million									
2018	0	99	8649	0	0		.020	10	25	50	75	90	95	98	99		1	2	.0461							
								.032	.038	.047	.055	.060	.062	.065	.065		.071	.070								

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-017-0006
 County: Garfield
 City: Escalante
 Support Agency:
 Address: Escalante National Monument

AQCR: FOUR CORNERS
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: RURAL
 Land Use: FOREST

Latitude: +37.775544
 Longitude: -111.615473
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,714.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc	
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages									Maximum Values	Arith Mean
			1			1113								8-HR RUN AVG	0	Parts per million	
														BEGIN HOUR			
2018	0	99	8710	1	1	.023	10	25	50	75	90	95	98	99	1	2	.0486
							.037	.041	.048	.056	.062	.064	.067	.068	.077	.071	

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-021-0005
 County: Iron
 City: Enoch
 Support Agency:
 Address: 3840 North 325 East

AQCR: FOUR CORNERS
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: RURAL
 Land Use: RESIDENTIAL

Latitude: +37.747430
 Longitude: -113.055525
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,692.0

Site Comments:

Parameter	POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc							
Year	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages									Maximum	Values	Arith	Mean	
42602-Nitrogen dioxide (NO2)	1			1113					INSTRUMENTAL							2.7	1 HOUR	0	Parts per billion			
2018	0	66	5807	.0	10	25	50	75	90	95	98	99	1	2	5.48							
				1.0	1.0	3.0	8.0	14.0	18.0	22.0	24.0	24.0	31.0	31.0								
44201-Ozone	1			1113													8-HR RUN AVG	0	Parts per million			
2018	0	90	7918	0	0	.016	10	25	50	75	90	95	98	99	1	2	.0472					
				.033	.038	.048	.056	.062	.064	.066	.067	.067	.067	.067								
88101-PM2.5 - Local Conditions	1			1113					Thermo Scientific Beta Attenuation							2	1 HOUR	0	Micrograms/cubic meter (LC)			
2018	0	96	8406	.0	10	25	50	75	90	95	98	99	1	2	4.89							
				1.3	2.4	4.1	6.3	9.1	11.7	15.5	17.9	17.9	46.8	39.1								
88101-PM2.5 - Local Conditions	1			1113													24-HR BLK AVG	0	Micrograms/cubic meter (LC)			
2018	0	96	350	.6	10	25	50	75	90	95	98	99	1	2	4.85							
				1.9	3.0	4.4	6.0	8.1	9.8	13.7	15.5	15.5	22.2	16.3								

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-035-2005
 County: Salt Lake
 City: Midvale
 Support Agency: 1113
 Address: 8449 S. Monroe St.

AQCR: WASATCH FRONT
 Urban Area: SALT LAKE CITY, UT
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +40.598056
 Longitude: -111.894167
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1.0

Site Comments:

Year	Exc	Evt	POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc		
			%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum	Values	Arith
			1			1113									8-HR RUN AVG	0	Parts per million		
															END HOUR				
2018	0	64	5621	0	0	.0	10	25	50	75	90	95	98	99		1	2	.13	
																	1.0	.9	
			1			1113									1 HOUR	0	Parts per billion		
2018	0	64	5593	0		.0	10	25	50	75	90	95	98	99		1	2	.31	
																	5.0	4.0	
			2			1113									5 MINUTE	0	Parts per billion		
2018	0	62	65355			.0	10	25	50	75	90	95	98	99		1	2	.05	
																	8.0	7.0	
			1			1113									1 HOUR	0	Parts per billion		
2018	0	69	6009			.0	10	25	50	75	90	95	98	99		1	2	14.07	
																	51.0	51.0	
			1			1113									8-HR RUN AVG	0	Parts per million		
															BEGIN HOUR				
2018	0	67	5964	7	7	.003	10	25	50	75	90	95	98	99		1	2	.0468	
																	.087	.083	
			4			1113									1 HOUR	0	Micrograms/cubic meter		
2018	0	62	5414			-1.2	10	25	50	75	90	95	98	99		1	2	10.77	
																	201.6	176.5	

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-035-2005
 County: Salt Lake
 City: Midvale
 Support Agency: 1113
 Address: 8449 S. Monroe St.

AQCR: WASATCH FRONT
 Urban Area: SALT LAKE CITY, UT
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +40.598056
 Longitude: -111.894167
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages									Maximum Values	Arith Mean
88101-PM2.5 - Local Conditions		4			1113									24-HR BLK AVG	0	Micrograms/cubic meter (LC)		
2018	0	61	222	2	2	1.4	10	25	50	75	90	95	98	99		1	2	10.67
							4.2	6.1	8.7	12.9	19.7	24.9	31.6	35.3		41.3	39.6	

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-035-3006	AQCR: WASATCH FRONT	Latitude: +40.736389
County: Salt Lake	Urban Area: SALT LAKE CITY, UT	Longitude: -111.872222
City: Salt Lake City	Location Setting: SUBURBAN	UTM Zone:
Support Agency: 1113	Land Use: RESIDENTIAL	Utm Northing:
Address: 1675 SOUTH 600 EAST, SALT LAKE CITY		Utm Easting:
		Vertical Meas: 1,306.0

Site Comments:

Parameter	POC	PQAO	Method of Collection and Analysis										MDL	Duration	EDT	Unit Desc								
Year	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages												Maximum	Values	Arith	Mean
42101-Carbon monoxide	1			1113												8-HR RUN AVG	0	Parts per million						
2018	0	91	7936	0	0	.0	10	25	50	75	90	95	98	99		END HOUR	1	2	.29					
									.1	.2	.2	.3	.5	.7	.8	.9		1.6	1.4					
42401-Sulfur dioxide	1			1113					INSTRUMENTAL	Pulsed Fluorescent			.2		1 HOUR	0	Parts per billion							
2018	0	82	7142	0		.0	10	25	50	75	90	95	98	99			1	2	1.14					
									.0	.2	.7	2.2	2.6	3.0	3.5	3.7		4.6	4.1					
42401-Sulfur dioxide	2			1113					INSTRUMENTAL	Pulsed Fluorescent			.2		5 MINUTE	0	Parts per billion							
2018	0	78	82398			.0	10	25	50	75	90	95	98	99			1	2	.67					
									.0	.0	.0	1.8	2.0	2.2	2.4	2.6		9.5	8.6					
42602-Nitrogen dioxide (NO2)	1			1113					INSTRUMENTAL	GAS PHASE			2.7		1 HOUR	0	Parts per billion							
2018	0	94	8243			.0	10	25	50	75	90	95	98	99			1	2	15.10					
									3.0	5.0	11.0	23.0	35.0	40.0	43.0	46.0		92.0	57.0					
44201-Ozone	1			1113												8-HR RUN AVG	0	Parts per million						
2018	0	95	8511	3	3	.002	10	25	50	75	90	95	98	99		BEGIN HOUR	1	2	.0436					
									.020	.033	.045	.056	.063	.066	.071	.074		.086	.078					
81102-PM10 Total 10um STP	1			1113					R - P Co Partisol	Gravimetric			4		24 HOUR	0	Micrograms/cubic meter (25 C)							
2018	0	95	346	0	0	2	10	25	50	75	90	95	98	99			1	2	21.9					
									8	12	19	29	37	47	62	85		111	103					

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-035-3006
 County: Salt Lake
 City: Salt Lake City
 Support Agency: 1113
 Address: 1675 SOUTH 600 EAST, SALT LAKE CITY

AQCR: WASATCH FRONT
 Urban Area: SALT LAKE CITY, UT
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +40.736389
 Longitude: -111.872222
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,306.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc			
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages									Maximum Values	Arith Mean	
88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	0	Micrograms/cubic meter (LC)			
2018	0	97	353	1	1	1.2	10	25	50	75	90	95	98	99		1	2	7.98
							2.6	3.8	5.6	9.6	16.4	22.7	28.4	32.7		37.8	35.1	
88101-PM2.5 - Local Conditions		2		1113		Thermo Scientific Model 5030 SHARP w/VSCC						2	1 HOUR	0	Micrograms/cubic meter (LC)			
2018	0	89	7806			.1	10	25	50	75	90	95	98	99		1	2	8.57
							2.3	3.7	6.3	10.4	17.9	23.9	32.7	38.1		87.5	73.2	
88101-PM2.5 - Local Conditions		2		1113		24-HR BLK AVG							24-HR BLK AVG	0	Micrograms/cubic meter (LC)			
2018	0	88	322	0	0	1.3	10	25	50	75	90	95	98	99		1	2	8.55
							3.2	4.5	6.6	10.2	16.6	23.1	27.6	32.3		34.4	34.2	
88101-PM2.5 - Local Conditions		4		1113		Thermo Scientific Model 5030 SHARP w/VSCC						2	1 HOUR	0	Micrograms/cubic meter (LC)			
2018	0	99	8685			.0	10	25	50	75	90	95	98	99		1	2	7.92
							2.2	3.5	5.6	9.1	16.9	23.6	33.1	38.2		89.1	73.9	
88101-PM2.5 - Local Conditions		4		1113		24-HR BLK AVG							24-HR BLK AVG	0	Micrograms/cubic meter (LC)			
2018	0	99	361	1	1	.0	10	25	50	75	90	95	98	99		1	2	7.86
							2.8	3.9	5.8	9.3	15.8	22.1	26.2	32.1		37.0	34.0	

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-035-3010
 County: Salt Lake
 City: Salt Lake City
 Support Agency: 1113
 Address: 1250 NORTH 1400 WEST

AQCR: WASATCH FRONT
 Urban Area: SALT LAKE CITY, UT
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +40.784220
 Longitude: -111.931000
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,286.0

Site Comments:

Year	Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc	
	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Percentages										Maximum Values	Arith Mean
	42101-Carbon monoxide		1		1113										8-HR RUN AVG END HOUR	0	Parts per million	
2018	0		84	7397	0	0	.0	10	25	50	75	90	95	98	99	1	2	.12
							.0	.0	.0	.1	.3	.5	.8	1.3		2.9	2.8	
	42401-Sulfur dioxide		1		1113		INSTRUMENTAL ULTRAVIOLET FLUORESCENCE							.4	1 HOUR	0	Parts per billion	
2018	0		72	6309	0		.0	10	25	50	75	90	95	98	99	1	2	.89
							.0	.0	1.0	1.0	2.0	3.0	5.0	5.0		7.0	5.0	
	42401-Sulfur dioxide		2		1113		INSTRUMENTAL ULTRAVIOLET FLUORESCENCE							.4	5 MINUTE	0	Parts per billion	
2018	0		69	72828			.0	10	25	50	75	90	95	98	99	1	2	.14
							.0	.0	.0	.0	1.0	1.0	2.0	3.0		28.0	23.0	
	42602-Nitrogen dioxide (NO2)		1		1113		INSTRUMENTAL GAS PHASE CHEMILUMINESCENCE							2.7	1 HOUR	0	Parts per billion	
2018	0		84	7391			.0	10	25	50	75	90	95	98	99	1	2	14.78
								3.0	5.0	11.0	23.0	33.0	37.0	41.0	44.0	65.0	62.0	
	44201-Ozone		1		1113										8-HR RUN AVG BEGIN HOUR	0	Parts per million	
2018	0		87	7646	8	8	.004	10	25	50	75	90	95	98	99	1	2	.0473
							.031	.038	.046	.058	.066	.072	.077	.080		.093	.081	
	88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC							2	24 HOUR	0	Micrograms/cubic meter (LC)	
2018	0		98	357	2	2	.2	10	25	50	75	90	95	98	99	1	2	8.90
								2.8	4.0	6.4	11.4	17.8	24.9	29.4	34.0	42.5	36.9	

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-035-3010
 County: Salt Lake
 City: Salt Lake City
 Support Agency: 1113
 Address: 1250 NORTH 1400 WEST

AQCR: WASATCH FRONT
 Urban Area: SALT LAKE CITY, UT
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +40.784220
 Longitude: -111.931000
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,286.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages										Maximum Values	Arith Mean
88101-PM2.5 - Local Conditions		2		1113			R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC							2	24 HOUR	0	Micrograms/cubic meter (LC)	
2018	0	100	353	3	3	1.0	10	25	50	75	90	95	98	99		1	2	9.35
							15.6	16.9	22.0	26.4	33.4	35.1	37.7	44.5		44.5	37.7	
88101-PM2.5 - Local Conditions		3		1113			Thermo Scientific Model 5030 SHARP w/VSCC							2	1 HOUR	0	Micrograms/cubic meter (LC)	
2018	0	99	8660			.1	10	25	50	75	90	95	98	99		1	2	8.95
							1.7	3.5	6.3	11.3	20.1	26.2	34.7	41.0		115.5	81.7	
88101-PM2.5 - Local Conditions		3		1113											24-HR BLK AVG	0	Micrograms/cubic meter (LC)	
2018	0	99	361	4	4	.4	10	25	50	75	90	95	98	99		1	2	8.90
							2.9	4.4	6.6	11.2	18.7	24.2	29.2	35.7		41.5	38.3	

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-035-3013
 County: Salt Lake
 City: Herriman
 Support Agency: 1113
 Address: 14058 Mirabella Dr.

AQCR: WASATCH FRONT
 Urban Area: SALT LAKE CITY, UT
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +40.496392
 Longitude: -112.036298
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1.0

Site Comments:

Parameter	POC		PQAO		Method of Collection and Analysis								MDL	Duration	EDT	Unit Desc							
Year	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages										Maximum	Values	Arith	Mean	
42602-Nitrogen dioxide (NO2)	1			1113					INSTRUMENTAL								2.7	1 HOUR	0	Parts per billion			
2018	0	92	8093				.0	10	25	50	75	90	95	98	99	1	2	4.79					
							.0	1.0	3.0	6.0	13.0	18.0	26.0	32.0			47.0	47.0					
44201-Ozone	1			1113					GAS PHASE									8-HR RUN AVG	0	Parts per million			
2018	0	98	8559	5	5		.013	10	25	50	75	90	95	98	99	1	2	.0478					
							.032	.038	.046	.058	.066	.071	.073	.078			.084	.082					
81102-PM10 Total 0-10um STP	1			1113					R - P Co Partisol Model 2025								4	24 HOUR	0	Micrograms/cubic meter (25 C)			
2018	0	96	350	0	0		1	10	25	50	75	90	95	98	99	1	2	23.0					
								5	9	19	33	48	58	69	80		107	88					
88101-PM2.5 - Local Conditions	5			1113					Thermo Scientific Model 5030 SHARP w/VSCC								2	1 HOUR	0	Micrograms/cubic meter (LC)			
2018	0	91	7973				-6.1	10	25	50	75	90	95	98	99	1	2	6.11					
							.3	1.5	3.5	7.4	14.5	21.3	33.5	41.4			100.0	75.0					
88101-PM2.5 - Local Conditions	5			1113					Beta Attenuation									24-HR BLK AVG	0	Micrograms/cubic meter (LC)			
2018	0	90	330	2	2		-.6	10	25	50	75	90	95	98	99	1	2	6.07					
								1.1	2.3	3.9	7.9	13.7	16.8	29.0	33.4		39.6	38.6					

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-045-0004
 County: Tooele
 City: Erda
 Support Agency: 1113
 Address: 2163 W. Erda Way

AQCR: WASATCH FRONT
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: RURAL
 Land Use: COMMERCIAL

Latitude: +40.600532
 Longitude: -112.353414
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1.0

Site Comments:

Parameter	POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc					
Year	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages									Maximum Values	Arith Mean	
42602-Nitrogen dioxide (NO2)	1			1113					INSTRUMENTAL GAS PHASE CHEMILUMINESCENCE							2.7	1 HOUR	0	Parts per billion	
2018	0	93	8108				-2.0	10	25	50	75	90	95	98	99	1	2	3.57		
							1.0	2.0	2.0	4.0	8.0	11.0	15.0	18.0		34.0	31.0			
44201-Ozone	1			1113										8-HR RUN AVG	0	Parts per million				
2018	0	93	8205	2	2		.011	10	25	50	75	90	95	98	99	1	2	.0466		
							.030	.038	.047	.057	.063	.066	.070	.074		.077	.076			
88101-PM2.5 - Local Conditions	1			1113					R & P Model 2025 Gravimetric							2	24 HOUR	1	Micrograms/cubic meter (LC)	
2018	0	99	358	1	1		.5	10	25	50	75	90	95	98	99	1	2	7.76		
							1.6	2.7	5.1	10.9	17.4	23.0	27.6	31.0		41.9	32.4			
88101-PM2.5 - Local Conditions	1			1113					R & P Model 2025 Gravimetric							2	24 HOUR	2	Micrograms/cubic meter (LC)	
2018	3	99	361	4	4		.5	10	25	50	75	90	95	98	99	1	2	8.07		
							1.7	2.7	5.2	11.1	17.6	24.3	30.6	36.0		50.4	48.5			
88101-PM2.5 - Local Conditions	1			1113					R & P Model 2025 Gravimetric							2	24 HOUR	5	Micrograms/cubic meter (LC)	
2018	3	99	361	4	4		.5	10	25	50	75	90	95	98	99	1	2	8.07		
							1.7	2.7	5.2	11.1	17.6	24.3	30.6	36.0		50.4	48.5			

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-045-0004
 County: Tooele
 City: Erda
 Support Agency: 1113
 Address: 2163 W. Erda Way

AQCR: WASATCH FRONT
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: RURAL
 Land Use: COMMERCIAL

Latitude: +40.600532
 Longitude: -112.353414
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages									Maximum Values	Arith Mean	
88101-PM2.5 - Local Conditions		3		1113			Thermo Scientific Model 5030 SHARP w/VSCC Beta Attenuation							2	1 HOUR	1	Micrograms/cubic meter (LC)	
2018	0	96	8354			-5.4	10	25	50	75	90	95	98	99		1	2	7.13
							1.3	2.4	5.0	8.9	15.0	20.5	30.2	36.6			65.3	63.8
88101-PM2.5 - Local Conditions		3		1113			Thermo Scientific Model 5030 SHARP w/VSCC Beta Attenuation							2	1 HOUR	2	Micrograms/cubic meter (LC)	
2018	72	96	8426			-5.4	10	25	50	75	90	95	98	99		1	2	7.45
							1.4	2.5	5.1	9.1	15.6	22.3	33.6	41.8			125.9	111.6
88101-PM2.5 - Local Conditions		3		1113			Thermo Scientific Model 5030 SHARP w/VSCC Beta Attenuation							2	1 HOUR	5	Micrograms/cubic meter (LC)	
2018	72	96	8426			-5.4	10	25	50	75	90	95	98	99		1	2	7.45
							1.4	2.5	5.1	9.1	15.6	22.3	33.6	41.8			125.9	111.6
88101-PM2.5 - Local Conditions		3		1113											24-HR BLK AVG	1	Micrograms/cubic meter (LC)	
2018	0	96	347	1	1	.3	10	25	50	75	90	95	98	99		1	2	7.10
							1.8	2.8	5.7	8.8	14.0	18.9	26.0	28.9			43.5	31.2
88101-PM2.5 - Local Conditions		3		1113											24-HR BLK AVG	2	Micrograms/cubic meter (LC)	
2018	0	96	350	4	4	.3	10	25	50	75	90	95	98	99		1	2	7.42
							1.8	2.9	5.8	9.2	15.0	20.6	28.9	39.0			48.9	44.9

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-045-0004
 County: Tooele
 City: Erda
 Support Agency: 1113
 Address: 2163 W. Erda Way

AQCR: WASATCH FRONT
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: RURAL
 Land Use: COMMERCIAL

Latitude: +40.600532
 Longitude: -112.353414
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages										Maximum Values	Arith Mean
88101-PM2.5 - Local Conditions		3			1113									24-HR BLK AVG	5		Micrograms/cubic meter (LC)	
2018	0	96	350	4	4	.3	10	25	50	75	90	95	98	99		1	2	7.42
							1.8	2.9	5.8	9.2	15.0	20.6	28.9	39.0		48.9	44.9	

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-047-1004
 County: Uintah
 City: Vernal
 Support Agency: 1113
 Address: 628 North 1700 West

AQCR: UTAH
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: URBAN AND CENTER CITY
 Land Use: RESIDENTIAL

Latitude: +40.464710
 Longitude: -109.561472
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1.0

Site Comments:

Year	Exc	Evt	POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc		
			%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum	Values	Arith
			1			1113		INSTRUMENTAL CHEMILUMINESCENCE							1	1 HOUR	0	Parts per billion	
2018	0	99	8633				.0	10	25	50	75	90	95	98	99	1	2	3.02	
								1.0	1.0	2.0	4.0	6.0	8.0	11.0	14.0		37.0	34.0	
			1			1113										8-HR RUN AVG	1	Parts per million	
																BEGIN HOUR			
2018	0	98	8587	0	0		.020	10	25	50	75	90	95	98	99	1	2	.0478	
								.033	.038	.050	.057	.061	.064	.067	.068		.070	.069	
			1			1113										8-HR RUN AVG	2	Parts per million	
																BEGIN HOUR			
2018	0	98	8628	1	1		.020	10	25	50	75	90	95	98	99	1	2	.0479	
								.033	.038	.050	.057	.062	.064	.067	.069		.081	.071	
			1			1113										8-HR RUN AVG	5	Parts per million	
																BEGIN HOUR			
2018	0	98	8628	1	1		.020	10	25	50	75	90	95	98	99	1	2	.0479	
								.033	.038	.050	.057	.062	.064	.067	.069		.081	.071	
88101-PM2.5 - Local			4			1113		Thermo Scientific			Beta Attenuation				2	1 HOUR	0	Micrograms/cubic meter	
								Model 5030 SHARP										(LC)	
								w/VSCC											
2018	0	98	8562				.0	10	25	50	75	90	95	98	99	1	2	5.72	
								1.5	2.6	4.2	6.8	11.3	15.7	23.0	28.0		69.9	68.4	
88101-PM2.5 - Local			4			1113										24-HR BLK AVG	0	Micrograms/cubic meter	
																		(LC)	
2018	0	97	355	0	0		.2	10	25	50	75	90	95	98	99	1	2	5.68	
								2.2	3.1	4.4	6.7	10.4	14.6	19.1	22.2		27.4	26.4	

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-047-2002	AQCR: UTAH	Latitude: +40.206291
County: Uintah	Urban Area: NOT IN AN URBAN AREA	Longitude: -109.353932
City: Not in a city	Location Setting: RURAL	UTM Zone:
Support Agency: 687	Land Use: DESERT	Utm Northing:
Address: 2 Miles west of Redwash atop Deadman's Bench		Utm Easting:
		Vertical Meas: 1,701.8

Site Comments:

Parameter	POC	PQAO	Method of Collection and Analysis										MDL	Duration	EDT	Unit Desc										
Year	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages												Maximum	Values	Arith	Mean		
42602-Nitrogen dioxide (NO2)	1			687					INSTRUMENTAL	CHEMILUMINESCENCE										1	1 HOUR	0	Parts per billion			
2018	0	96	8410				-.5	10	25	50	75	90	95	98	99		1	2	2.02							
								.4	.8	1.4	2.6	4.6	6.0	7.7	9.3		31.4	18.8								
44201-Ozone	1			687											8-HR RUN AVG	0	Parts per million									
2018	0	96	8534	0	0	.023	10	25	50	75	90	95	98	99	BEGIN HOUR		1	2	.0472							
								.034	.039	.047	.056	.060	.063	.066	.068		.073	.071								

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-047-2003	AQCR: UTAH	Latitude: +40.056710
County: Uintah	Urban Area: NOT IN AN URBAN AREA	Longitude: -109.688108
City: Not in a city	Location Setting: RURAL	UTM Zone:
Support Agency: 687	Land Use: DESERT	Utm Northing:
Address: 2 miles south of Ouray and south of the White and Green River confluence		Utm Easting:
		Vertical Meas: 1,466.8

Site Comments:

Parameter	POC		PQAO		Method of Collection and Analysis								MDL	Duration	EDT	Unit Desc				
	Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum	Values	Arith Mean	
42602-Nitrogen dioxide (NO2)			1		687			INSTRUMENTAL CHEMILUMINESCENCE								1	1 HOUR	0	Parts per billion	
2018	0	97	8461					-.3	10	25	50	75	90	95	98	99	1	2	2.35	
									.5	.9	1.6	3.1	5.4	6.9	8.6	9.8		26.9	21.3	
44201-Ozone			1		687												8-HR RUN AVG BEGIN HOUR	0	Parts per million	
2018	0	98	8589	0	0			.018	10	25	50	75	90	95	98	99	1	2	.0479	
									.033	.039	.048	.057	.062	.065	.066	.067		.072	.070	

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-047-7022	AQCR: UTAH	Latitude: +40.483598
County: Uintah	Urban Area: NOT IN AN URBAN AREA	Longitude: -109.906796
City: Not in a city	Location Setting: RURAL	UTM Zone:
Support Agency: 687	Land Use: DESERT	Utm Northing:
Address: WHITE ROCKS & COUNTY ROAD		Utm Easting:
		Vertical Meas: 1,893.0

Site Comments: WS, WD, PRECIP, TEMP, RH%, AND COLLOCATED TSP:

Parameter	POC	PQAO	Method of Collection and Analysis										MDL	Duration	EDT	Unit Desc										
Year	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages												Maximum	Values	Arith	Mean		
42602-Nitrogen dioxide (NO2)	1			687					Instrumental	Chemiluminescence Teledyne API 200 EU/501										.05	1 HOUR	0	Parts per billion			
2018	0	97		8524			-.1		10	25	50	75	90	95	98	99		1	2	3.86						
									.5	.9	2.6	6.2	8.7	10.4	12.9	14.9		28.5	25.0							
44201-Ozone	1			687												8-HR RUN AVG BEGIN HOUR	0	Parts per million								
2018	0	97		8550	0	0	.021		10	25	50	75	90	95	98	99		1	2	.0468						
									.034	.039	.046	.055	.060	.063	.065	.069		.071	.070							

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-049-4001
 County: Utah
 City: Lindon
 Support Agency: 1113
 Address: 30 NORTH MAIN STREET, LINDON, UTAH

AQCR: WASATCH FRONT
 Urban Area: PROVO-OREM, UT
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +40.341389
 Longitude: -111.713611
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,442.0

Site Comments: LOCATED AT LINDON ELEMENTARY SCHOOL:

Parameter	POC	PQAO		Method of Collection and Analysis										MDL	Duration	EDT	Unit Desc								
Year	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages													Maximum	Values	Arith	Mean
42101-Carbon monoxide	2			1113													8-HR RUN AVG	0	Parts per million						
2018	0	78	6848	0	0		.0	10	25	50	75	90	95	98	99		END HOUR	1	2	.08					
							.0	.0	.1	.1	.2	.3	.3	.4				.5	.5						
42602-Nitrogen dioxide (NO2)	2			1113					INSTRUMENTAL GAS PHASE CHEMILUMINESCENCE										2.7	1 HOUR	0	Parts per billion			
2018	0	93	8183				.0	10	25	50	75	90	95	98	99			1	2	8.81					
							1.0	3.0	6.0	12.0	22.0	28.0	33.0	37.0				48.0	47.0						
44201-Ozone	2			1113													8-HR RUN AVG	0	Parts per million						
2018	0	82	7263	8	8		.005	10	25	50	75	90	95	98	99		BEGIN HOUR	1	2	.0476					
							.028	.037	.049	.058	.067	.073	.077	.083				.088	.084						
81102-PM10 Total 0-10um STP	2			1113				R - P Co Partisol Model 2025										4	24 HOUR	0	Micrograms/cubic meter (25 C)				
2018	0	95	348	0	0		2	10	25	50	75	90	95	98	99			1	2	20.9					
							7	11	19	27	38	47	62	65				96	85						
88101-PM2.5 - Local Conditions	1			1113				R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC										2	24 HOUR	1	Micrograms/cubic meter (LC)				
2018	0	96	347	4	4		1.0	10	25	50	75	90	95	98	99			1	2	7.40					
							2.5	3.8	6.0	8.5	14.7	19.4	26.4	36.1				46.6	38.1						

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-049-4001
 County: Utah
 City: Lindon
 Support Agency: 1113
 Address: 30 NORTH MAIN STREET, LINDON, UTAH

AQCR: WASATCH FRONT
 Urban Area: PROVO-OREM, UT
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +40.341389
 Longitude: -111.713611
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,442.0

Site Comments: LOCATED AT LINDON ELEMENTARY SCHOOL:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum Values	Arith Mean
88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	2	Micrograms/cubic meter (LC)		
2018	2	96	349	6	6	1.0	10	25	50	75	90	95	98	99	1	2	7.58
						2.6	3.8	6.0	8.6	14.8	19.7	28.7	38.1		46.6	39.9	
88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	5	Micrograms/cubic meter (LC)		
2018	2	96	349	6	6	1.0	10	25	50	75	90	95	98	99	1	2	7.58
						2.6	3.8	6.0	8.6	14.8	19.7	28.7	38.1		46.6	39.9	
88101-PM2.5 - Local Conditions		2		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	0	Micrograms/cubic meter (LC)		
2018	0	90	56	0	0	.9	10	25	50	75	90	95	98	99	1	2	6.65
						2.8	3.5	4.9	8.3	13.5	18.9	21.8	27.3		27.3	21.8	
88101-PM2.5 - Local Conditions		5		1113		Thermo Scientific Model 5030 SHARP w/VSCC						2	1 HOUR	1	Micrograms/cubic meter (LC)		
2018	0	100	8704			.1	10	25	50	75	90	95	98	99	1	2	6.31
						1.5	2.8	4.7	7.6	11.7	16.2	25.5	32.6		204.0	199.4	

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-049-4001
 County: Utah
 City: Lindon
 Support Agency: 1113
 Address: 30 NORTH MAIN STREET, LINDON, UTAH

AQCR: WASATCH FRONT
 Urban Area: PROVO-OREM, UT
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +40.341389
 Longitude: -111.713611
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,442.0

Site Comments: LOCATED AT LINDON ELEMENTARY SCHOOL:

Parameter	POC		PQAO		Method of Collection and Analysis								MDL	Duration	EDT	Unit Desc						
Year	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages										Maximum Values	Arith Mean		
88101-PM2.5 - Local Conditions	5			1113					Thermo Scientific Model 5030 SHARP w/VSCC	Beta Attenuation								2	1 HOUR	2	Micrograms/cubic meter (LC)	
2018	24	100	8728				.1	10	25	50	75	90	95	98	99		1	2	6.39			
								1.5	2.8	4.8	7.6	11.9	16.5	26.5	34.0		204.0	199.4				
88101-PM2.5 - Local Conditions	5			1113					Thermo Scientific Model 5030 SHARP w/VSCC	Beta Attenuation								2	1 HOUR	5	Micrograms/cubic meter (LC)	
2018	24	100	8728				.1	10	25	50	75	90	95	98	99		1	2	6.39			
								1.5	2.8	4.8	7.6	11.9	16.5	26.5	34.0		204.0	199.4				
88101-PM2.5 - Local Conditions	5			1113											24-HR BLK AVG	1	Micrograms/cubic meter (LC)					
2018	0	99	362	0	0		.9	10	25	50	75	90	95	98	99		1	2	6.27			
								2.4	3.4	4.9	7.2	12.0	16.0	21.5	27.2		35.4	31.3				
88101-PM2.5 - Local Conditions	5			1113											24-HR BLK AVG	2	Micrograms/cubic meter (LC)					
2018	0	99	363	1	1		.9	10	25	50	75	90	95	98	99		1	2	6.35			
								2.4	3.4	4.9	7.3	12.0	16.1	21.6	28.8		36.5	35.4				
88101-PM2.5 - Local Conditions	5			1113											24-HR BLK AVG	5	Micrograms/cubic meter (LC)					
2018	0	99	363	1	1		.9	10	25	50	75	90	95	98	99		1	2	6.35			
								2.4	3.4	4.9	7.3	12.0	16.1	21.6	28.8		36.5	35.4				

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-049-5010
 County: Utah
 City: Spanish Fork
 Support Agency: 1113
 Address: 312 W. 2050 NORTH, SPANISH FORK, UTAH

AQCR: WASATCH FRONT
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: SUBURBAN
 Land Use: INDUSTRIAL

Latitude: +40.136336
 Longitude: -111.660502
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,380.0

Site Comments: SITE IS LOCATED AT SPANISH FORK AIRPORT:

Parameter	POC	PQAO		Method of Collection and Analysis								MDL	Duration	EDT	Unit Desc					
Year	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum Values	Arith Mean		
42602-Nitrogen dioxide (NO2)	1			1113					INSTRUMENTAL GAS PHASE CHEMILUMINESCENCE								2.7	1 HOUR	0	Parts per billion
2018	0	96	8371				.0	10	25	50	75	90	95	98	99	1	2	6.64		
							1.0	2.0	4.0	8.0	15.0	22.0	29.0	33.0		44.0	43.0			
44201-Ozone	1			1113														8-HR RUN AVG BEGIN HOUR	0	Parts per million
2018	0	92	8124	0	0		.008	10	25	50	75	90	95	98	99	1	2	.0451		
							.028	.035	.045	.055	.062	.065	.070	.073		.075	.074			
88101-PM2.5 - Local Conditions	1			1113					R & P Model 2025 Gravimetric								2	24 HOUR	1	Micrograms/cubic meter (LC)
2018	0	89	315	3	3		1.2	10	25	50	75	90	95	98	99	1	2	7.29		
							2.1	3.3	5.2	8.4	14.2	18.3	27.8	32.2		46.0	37.3			
88101-PM2.5 - Local Conditions	1			1113					R & P Model 2025 Gravimetric								2	24 HOUR	2	Micrograms/cubic meter (LC)
2018	11	89	326	14	14		1.2	10	25	50	75	90	95	98	99	1	2	8.97		
							2.4	3.7	5.6	9.1	16.7	28.6	50.7	68.8		76.2	74.5			
88101-PM2.5 - Local Conditions	1			1113					R & P Model 2025 Gravimetric								2	24 HOUR	5	Micrograms/cubic meter (LC)
2018	11	89	326	14	14		1.2	10	25	50	75	90	95	98	99	1	2	8.97		
							2.4	3.7	5.6	9.1	16.7	28.6	50.7	68.8		76.2	74.5			

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-049-5010
 County: Utah
 City: Spanish Fork
 Support Agency: 1113
 Address: 312 W. 2050 NORTH, SPANISH FORK, UTAH

AQCR: WASATCH FRONT
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: SUBURBAN
 Land Use: INDUSTRIAL

Latitude: +40.136336
 Longitude: -111.660502
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,380.0

Site Comments: SITE IS LOCATED AT SPANISH FORK AIRPORT:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum Values	Arith Mean
88101-PM2.5 - Local Conditions		3		1113		Thermo Scientific Model 5030 SHARP w/VSCC						2	1 HOUR	1	Micrograms/cubic meter (LC)		
2018	0	88	7443			.0	10	25	50	75	90	95	98	99	1	2	6.58
							1.2	2.4	4.6	7.6	12.6	18.4	26.3	37.5		124.9	122.7
88101-PM2.5 - Local Conditions		3		1113		Thermo Scientific Model 5030 SHARP w/VSCC						2	1 HOUR	2	Micrograms/cubic meter (LC)		
2018	264	88	7707			.0	10	25	50	75	90	95	98	99	1	2	8.19
							1.5	2.7	4.8	8.1	14.8	23.1	46.8	79.6		257.4	255.3
88101-PM2.5 - Local Conditions		3		1113		Thermo Scientific Model 5030 SHARP w/VSCC						2	1 HOUR	5	Micrograms/cubic meter (LC)		
2018	264	88	7707			.0	10	25	50	75	90	95	98	99	1	2	8.19
							1.5	2.7	4.8	8.1	14.8	23.1	46.8	79.6		257.4	255.3
88101-PM2.5 - Local Conditions		3		1113		24-HR BLK AVG							24-HR BLK AVG	1	Micrograms/cubic meter (LC)		
2018	0	88	310	1	1	.8	10	25	50	75	90	95	98	99	1	2	6.52
							1.9	3.1	4.8	7.5	12.5	17.8	24.0	27.9		37.7	31.9
88101-PM2.5 - Local Conditions		3		1113		24-HR BLK AVG							24-HR BLK AVG	2	Micrograms/cubic meter (LC)		
2018	0	88	321	12	12	.8	10	25	50	75	90	95	98	99	1	2	8.14
							2.1	3.3	5.1	8.2	15.4	25.1	52.8	62.2		69.4	68.6

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-049-5010
 County: Utah
 City: Spanish Fork
 Support Agency: 1113
 Address: 312 W. 2050 NORTH, SPANISH FORK, UTAH

AQCR: WASATCH FRONT
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: SUBURBAN
 Land Use: INDUSTRIAL

Latitude: +40.136336
 Longitude: -111.660502
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,380.0

Site Comments: SITE IS LOCATED AT SPANISH FORK AIRPORT:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages									Maximum Values	Arith Mean
88101-PM2.5 - Local Conditions		3			1113									24-HR BLK AVG	5	Micrograms/cubic meter (LC)		
2018	0	88	321	12	12	.8	10	25	50	75	90	95	98	99		1	2	8.14
							2.1	3.3	5.1	8.2	15.4	25.1	52.8	62.2		69.4	68.6	

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-053-0007
 County: Washington
 City: Hurricane
 Support Agency: 1113
 Address: 147 N 870 W, Hurricane, Utah

AQCR: FOUR CORNERS
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: RURAL
 Land Use: RESIDENTIAL

Latitude: +37.179125
 Longitude: -113.305096
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 846.0

Site Comments:

Parameter	POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc							
Year	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages									Maximum	Values	Arith	Mean	
42602-Nitrogen dioxide (NO2)	1			1113					INSTRUMENTAL							2.7	1 HOUR	0	Parts per billion			
2018	0	85	7471		.0	10	25	50	75	90	95	98	99		1	2	2.90					
					.0	1.0	2.0	3.0	7.0	11.0	17.0	19.0			33.0	30.0						
44201-Ozone	1			1113					GAS PHASE								8-HR RUN AVG	0	Parts per million			
2018	0	91	8053	0	0	.017	10	25	50	75	90	95	98	99		1	2	.0451				
					.029	.036	.043	.056	.062	.066	.068	.069			.072	.070						
88101-PM2.5 - Local Conditions	3			1113					Thermo Scientific Model 5030 SHARP w/VSCC							2	1 HOUR	0	Micrograms/cubic meter (LC)			
2018	0	89	7767		.0	10	25	50	75	90	95	98	99		1	2	5.66					
					1.4	2.6	4.5	6.8	11.3	14.6	20.1	24.2			78.5	74.0						
88101-PM2.5 - Local Conditions	3			1113					Beta Attenuation								24-HR BLK AVG	0	Micrograms/cubic meter (LC)			
2018	0	88	322	0	0	.3	10	25	50	75	90	95	98	99		1	2	5.60				
					2.1	3.1	4.8	6.4	10.3	14.0	17.9	20.9			28.0	23.4						

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-053-0130
 County: Washington
 City: Virgin
 Support Agency: 0745
 Address: ZION NATIONAL PARK, UTAH

AQCR: FOUR CORNERS
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: RURAL
 Land Use: DESERT

Latitude: +37.198300
 Longitude: -113.150600
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,213.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc	
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages									Maximum Values	Arith Mean
			1			0745								8-HR RUN AVG	0	Parts per million	
														BEGIN HOUR			
2018	0	80	7269	0	0	.025	10	25	50	75	90	95	98	99	1	2	.0487
							.035	.040	.049	.057	.063	.065	.068	.069		.073	.069

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-057-0002	AQCR: WASATCH FRONT	Latitude: +41.206321
County: Weber	Urban Area: OGDEN, UT	Longitude: -111.975524
City: Ogden	Location Setting: URBAN AND CENTER CITY	UTM Zone:
Support Agency: 1113	Land Use: RESIDENTIAL	Utm Northing:
Address: 228 32ND STREET, OGDEN, UTAH		Utm Easting:
		Vertical Meas: 1,316.0

Site Comments: THIS SITE REPLACES OG (490570001)WHICH WAS DEMOLISHED FOR NEW CONST.:

Parameter	POC	PQAO		Method of Collection and Analysis										MDL	Duration	EDT	Unit Desc								
Year	Exc	Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages													Maximum	Values	Arith	Mean
42101-Carbon monoxide	1			1113													8-HR RUN AVG	0	Parts per million						
2018	0	98	8554	0	0		-.2	10	25	50	75	90	95	98	99		END HOUR	1	2	.16					
							.0	.0	.1	.2	.4	.5	.6	.7				1.0	1.0						
42602-Nitrogen dioxide (NO2)	1			1113													INSTRUMENTAL	2.7	1 HOUR	0	Parts per billion				
2018	0	98	8571				1.0	10	25	50	75	90	95	98	99		CHEMILUMINESCENCE		1	2	16.58				
							3.0	5.0	14.0	27.0	35.0	38.0	40.0	42.0				50.0	49.0						
44201-Ozone	1			1113													8-HR RUN AVG	0	Parts per million						
2018	0	99	8697	5	5		.003	10	25	50	75	90	95	98	99		BEGIN HOUR	1	2	.0453					
							.023	.034	.046	.058	.066	.070	.074	.079				.086	.082						
81102-PM10 Total 0-10um STP	1			1113													R - P Co Partisol Model 2025	4	24 HOUR	0	Micrograms/cubic meter (25 C)				
2018	0	99	361	0	0		2	10	25	50	75	90	95	98	99		Gravimetric		1	2	22.9				
							7	13	20	30	40	46	59	76				104	102						
88101-PM2.5 - Local Conditions	1			1113													R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC	2	24 HOUR	1	Micrograms/cubic meter (LC)				
2018	0	97	353	0	0		1.0	10	25	50	75	90	95	98	99		Gravimetric		1	2	8.02				
							2.6	4.2	6.3	10.0	15.8	20.0	24.2	28.8				32.8	31.4						

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-057-0002	AQCR: WASATCH FRONT	Latitude: +41.206321
County: Weber	Urban Area: OGDEN, UT	Longitude: -111.975524
City: Ogden	Location Setting: URBAN AND CENTER CITY	UTM Zone:
Support Agency: 1113	Land Use: RESIDENTIAL	Utm Northing:
Address: 228 32ND STREET, OGDEN, UTAH		Utm Easting:
		Vertical Meas: 1,316.0

Site Comments: THIS SITE REPLACES OG (490570001)WHICH WAS DEMOLISHED FOR NEW CONST.:

Parameter	POC		PQAO		Method of Collection and Analysis								MDL	Duration	EDT	Unit Desc				
	Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum Values	Arith Mean		
88101-PM2.5 - Local Conditions	1			1113					R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC								2	24 HOUR	2	Micrograms/cubic meter (LC)
2018	2	97	355	1	1	1.0	10	25	50	75	90	95	98	99		1	2	8.27		
							2.7	4.2	6.3	10.1	16.0	20.3	24.6	31.4		66.7	35.4			
88101-PM2.5 - Local Conditions	1			1113					R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC								2	24 HOUR	5	Micrograms/cubic meter (LC)
2018	2	97	355	1	1	1.0	10	25	50	75	90	95	98	99		1	2	8.27		
							2.7	4.2	6.3	10.1	16.0	20.3	24.6	31.4		66.7	35.4			
88101-PM2.5 - Local Conditions	5			1113					Thermo Scientific Model 5030 SHARP w/VSCC								2	1 HOUR	1	Micrograms/cubic meter (LC)
2018	0	96	8401			.3	10	25	50	75	90	95	98	99		1	2	8.41		
							1.8	3.6	6.3	10.8	17.3	22.3	29.6	35.0		120.7	114.9			
88101-PM2.5 - Local Conditions	5			1113					Thermo Scientific Model 5030 SHARP w/VSCC								2	1 HOUR	2	Micrograms/cubic meter (LC)
2018	48	96	8449			.3	10	25	50	75	90	95	98	99		1	2	8.61		
							1.9	3.6	6.4	10.9	17.5	22.7	30.4	36.8		414.5	298.2			
88101-PM2.5 - Local Conditions	5			1113					Thermo Scientific Model 5030 SHARP w/VSCC								2	1 HOUR	5	Micrograms/cubic meter (LC)
2018	48	96	8449			.3	10	25	50	75	90	95	98	99		1	2	8.61		
							1.9	3.6	6.4	10.9	17.5	22.7	30.4	36.8		414.5	298.2			

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-057-0002

AQCR: WASATCH FRONT

Latitude: +41.206321

County: Weber

Urban Area: OGDEN, UT

Longitude: -111.975524

City: Ogden

Location Setting: URBAN AND CENTER CITY

UTM Zone:

Support Agency: 1113

Land Use: RESIDENTIAL

Utm Northing:

Address: 228 32ND STREET, OGDEN, UTAH

Utm Easting:

Vertical Meas: 1,316.0

Site Comments: THIS SITE REPLACES OG (490570001)WHICH WAS DEMOLISHED FOR NEW CONST.:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages									Maximum Values	Arith Mean
88101-PM2.5 - Local Conditions		5		1113											24-HR BLK AVG	1	Micrograms/cubic meter (LC)	
2018	0	97	351	0	0	.8	10	25	50	75	90	95	98	99		1	2	8.38
								2.8	4.7	6.6	10.1	16.3	21.2	23.8	32.0		34.6	33.2
88101-PM2.5 - Local Conditions		5		1113											24-HR BLK AVG	2	Micrograms/cubic meter (LC)	
2018	0	97	353	2	2	.8	10	25	50	75	90	95	98	99		1	2	8.58
								2.9	4.7	6.7	10.2	16.6	22.0	25.3	33.2		49.4	38.3
88101-PM2.5 - Local Conditions		5		1113											24-HR BLK AVG	5	Micrograms/cubic meter (LC)	
2018	0	97	353	2	2	.8	10	25	50	75	90	95	98	99		1	2	8.58
								2.9	4.7	6.7	10.2	16.6	22.0	25.3	33.2		49.4	38.3

FREQUENCY DISTRIBUTION REPORT

Apr. 2, 2019

Utah

Site ID: 49-057-1003
 County: Weber
 City: Harrisville
 Support Agency: 1113
 Address: 425 W 2550 NORTH, OGDEN, UTAH

AQCR: WASATCH FRONT
 Urban Area: OGDEN, UT
 Location Setting: RURAL
 Land Use: RESIDENTIAL

Latitude: +41.303614
 Longitude: -111.987871
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,331.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc				
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum	Values	Arith	Mean
42602-Nitrogen dioxide (NO2)		1		1113		INSTRUMENTAL						2.7	1 HOUR	0	Parts per billion				
2018	0	81	7089			.0	10	25	50	75	90	95	98	99	1	2	8.72		
							1.0	3.0	6.0	12.0	22.0	28.0	32.0	34.0		44.0	40.0		
44201-Ozone		1		1113									8-HR RUN AVG	0	Parts per million				
														BEGIN HOUR					
2018	0	99	8729	4	4	.005	10	25	50	75	90	95	98	99	1	2	.0464		
							.027	.038	.046	.057	.065	.069	.073	.077		.086	.078		