

User ID: HPI

FREQUENCY DISTRIBUTION REPORT

Report Request ID: 1545349

Report Code: AMP230

Apr. 18, 2017

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
2016	2016

APPLICABLE STANDARDS

Standard Description
CO 8-hour 1971
Lead 3-Month 2009
Lead 3-Month PM10 Surrogate 2009
NO2 Annual 1971
Ozone 8-hour 2015
PM10 24-hour 2006
PM25 24-hour 2012
SO2 1-hour 2010

FREQUENCY DISTRIBUTION REPORT

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EXCEPTIONAL DATA TYPES

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

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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
44201-Ozone	1			1113											8-HR RUN AVG	0	Parts per million					
															BEGIN HOUR							
2016	0	98	5904	0	0	.006	10	25	50	75	90	95	98	99		1	2	.0500				
88101-PM2.5 - Local Conditions	1			1113					R & P Model 2025	Gravimetric			2	24 HOUR	0	Micrograms/cubic meter (LC)						
									PM-2.5 Sequential													
									Air Sampler													
									w/VSCC													
2016	0	83	204	4	4	.2	10	25	50	75	90	95	98	99		1	2	7.92				
88101-PM2.5 - Local Conditions	3			1113					Thermo Scientific	Beta Attenuation			2	1 HOUR	0	Micrograms/cubic meter (LC)						
									Model 5030 SHARP													
									w/VSCC													
2016	0	46	4063			.3	10	25	50	75	90	95	98	99		1	2	7.80				
88101-PM2.5 - Local Conditions	3			1113										24-HR BLK AVG	0	Micrograms/cubic meter (LC)						
2016	0	46	169	0	0	1.1	10	25	50	75	90	95	98	99		1	2	7.72				

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

Utah

Site ID: 49-003-7001	AQCR: UTAH	Latitude: +41.945874
County: Box Elder	Urban Area: NOT IN AN URBAN AREA	Longitude: -112.233973
City: Not in a city	Location Setting: RURAL	UTM Zone:
Support Agency: 195	Land Use: AGRICULTURAL	Utm Northing:
Address: 8600 WEST 24000 NORTH PORTAGE, UTAH		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
44201-Ozone			1		195										8-HR RUN AVG	0	Parts per million				
															BEGIN HOUR						
2016	0	92	5532	0	0	.012	10	25	50	75	90	95	98	99		1	2	.0289			
							.027	.028	.031	.033	.036	.038	.051	.052		.058	.052				

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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	CHEMILUMINESCENCE							1	1 HOUR	0		Parts per billion	
2016	0	70	6113				.0	10	25	50	75	90	95	98	99		1	2	6.00			
								1.0	2.0	4.0	8.0	15.0	20.0	26.0	30.0			39.0	39.0			
44201-Ozone	1			1113											8-HR RUN AVG	0		Parts per million				
2016	0	91	5859	0	0		.017	10	25	50	75	90	95	98	99		1	2	.0494			
								.046	.049	.051	.054	.057	.059	.064	.065			.066	.065			
81102-PM10 Total 10um STP	1			1113					R - P Co Partisol Model 2025	Gravimetric							4	24 HOUR	0		Micrograms/cubic meter (25 C)	
2016	0	81	157	0	0		2	10	25	50	75	90	95	98	99		1	2	15.5			
								4	7	12	20	34	41	43	47			87	47			
81102-PM10 Total 10um STP	2			1113					R - P Co Partisol Model 2025	Gravimetric							4	24 HOUR	0		Micrograms/cubic meter (25 C)	
2016	0	63	38	0	0		2	10	25	50	75	90	95	98	99		1	2	12.5			
								3	6	10	15	27	36	40	40			40	36			
88101-PM2.5 - Local Conditions	1			1113					R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC	Gravimetric							2	24 HOUR	0		Micrograms/cubic meter (LC)	
2016	0	90	331	7	7		.6	10	25	50	75	90	95	98	99		1	2	7.44			
								1.9	2.8	4.7	8.3	16.7	25.5	36.4	39.5			46.8	44.3			

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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
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)		
2016	0	70	39	0	0		1.1	10	25	50	75	90	95	98	99		1	2	5.46					
								3.6	4.1	5.6	7.8	12.0	13.5	16.6	16.6		16.6	13.5						
88101-PM2.5 - Local Conditions	3			1113					Thermo Scientific TEOM 1405-DF Dichotomous FDMS										2	1 HOUR	0	Micrograms/cubic meter (LC)		
2016	0	100	4997				-10.0	10	25	50	75	90	95	98	99		1	2	7.21					
								.7	2.9	5.4	9.1	15.6	22.4	35.1	41.2		140.9	53.0						
88101-PM2.5 - Local Conditions	3			1113																24-HR BLK AVG	0	Micrograms/cubic meter (LC)		
2016	0	65	207	1	1		-.2	10	25	50	75	90	95	98	99		1	2	7.21					
								13.7	16.2	22.0	32.2	35.1	37.7	37.7	37.7		37.7	35.1						
88101-PM2.5 - Local Conditions	4			1113					Thermo Scientific Model 5030 SHARP w/VSCC										2	1 HOUR	0	Micrograms/cubic meter (LC)		
2016	0	100	7472				-.2	10	25	50	75	90	95	98	99		1	2	6.63					
								1.8	3.3	5.5	8.3	12.2	15.6	21.2	27.1		83.0	74.6						
88101-PM2.5 - Local Conditions	4			1113																24-HR BLK AVG	0	Micrograms/cubic meter (LC)		
2016	0	90	310	1	1		.7	10	25	50	75	90	95	98	99		1	2	6.58					
								11.6	12.0	15.3	17.0	20.3	31.2	46.1	46.1		46.1	31.2						

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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	CHEMILUMINESCENCE								1	1 HOUR	0		Parts per billion	
2016	0	65	5750				.0	10	25	50	75	90	95	98	99		1	2	2.90				
								1.0	2.0	2.0	3.0	5.0	7.0	9.0	12.0		70.0	23.0					
44201-Ozone	1			1113											8-HR RUN AVG	0		Parts per million					
2016	0	95	4990	0	0		.021	10	25	50	75	90	95	98	99		1	2	.0540				
								.049	.052	.055	.059	.062	.064	.067	.068		.068	.068					

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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:

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		Teledyne-API Model 200EUP or T200UP						.1	1 HOUR	0	Parts per billion		
2016	0	54	4733				.0	10	25	50	75	90	95	98	99	1	2	11.52
	44201-Ozone		1		1113		Photolytic-Chemiluminescence							8-HR RUN AVG	0	Parts per million		
2016	0	99	6198	8	8	.004	10	25	50	75	90	95	98	99	1	2	.0532	
	81102-PM10 Total 0-10um STP		5		1113		R - P Co Partisol Model 2000						4	24 HOUR	0	Micrograms/cubic meter (25 C)		
2016	0	75	47	0	0	3	10	25	50	75	90	95	98	99	1	2	18.3	
	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)		
2016	0	96	188	5	5	1.2	10	25	50	75	90	95	98	99	1	2	8.08	
	88101-PM2.5 - Local Conditions		3		1113		Thermo Scientific Model 5030 SHARP w/VSCC						2	1 HOUR	0	Micrograms/cubic meter (LC)		
2016	0	98	8641				-.7	10	25	50	75	90	95	98	99	1	2	8.07
							1.9	3.6	6.3	10.2	15.9	20.7	29.6	40.5	79.8	61.1		



FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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	0	Micrograms/cubic meter (LC)		
2016	0	98	359	3	3	.9	10	25	50	75	90	95	98	99		1	2	8.03
							2.8	4.5	6.7	10.1	13.7	18.4	24.7	34.7		44.7	44.1	

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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		
42602-Nitrogen dioxide (NO2)	1			1113					INSTRUMENTAL	CHEMILUMINESCENCE							1	1 HOUR	0	Parts per billion	
2016	0	99	8736				.0	10	25	50	75	90	95	98	99	1	2	3.63			
								.7	1.2	2.3	4.4	8.6	11.8	15.5	18.5		32.6	30.9			
44201-Ozone	1			1113											8-HR RUN AVG	0	Parts per million				
															BEGIN HOUR						
2016	0	99	5950	6	6		.020	10	25	50	75	90	95	98	99	1	2	.0508			
								.045	.047	.051	.055	.059	.062	.075	.088		.096	.094			
88101-PM2.5 - Local Conditions	3			1113					Thermo Scientific Model 5030 SHARP w/VSCC	Beta Attenuation							2	1 HOUR	0	Micrograms/cubic meter (LC)	
2016	0	92	8059				.0	10	25	50	75	90	95	98	99	1	2	5.93			
								1.9	3.2	4.4	6.6	11.1	17.4	24.1	27.4		38.0	36.7			
88101-PM2.5 - Local Conditions	3			1113											24-HR BLK AVG	0	Micrograms/cubic meter (LC)				
2016	0	91	332	0	0		.8	10	25	50	75	90	95	98	99	1	2	5.90			
								2.3	3.5	4.5	6.2	9.9	17.4	23.4	25.4		30.0	28.7			

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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	
2016	0	72	6325			-.1		10	25	50	75	90	95	98	99		1	2	2.71	
								.4	.8	1.7	3.6	6.6	9.1	10.9	12.3		33.2	20.9		
44201-Ozone		1		687											8-HR RUN AVG BEGIN HOUR	0	Parts per million			
2016	0	98	4234	7	7	.031		10	25	50	75	90	95	98	99		1	2	.0517	
								.045	.048	.052	.055	.059	.062	.077	.085		.095	.092		

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

Utah

Site ID: 49-035-1001  
 County: Salt Lake  
 City: Magna  
 Support Agency: 1113  
 Address: 2935 SOUTH 8560 WEST MAGNA,UTAH

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

Latitude: +40.708611  
 Longitude: -112.094722  
 UTM Zone:  
 Utm Northing:  
 Utm Easting:  
 Vertical Meas: 1,317.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL		Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Percentages									Maximum Values	Arith Mean		
						Min Obs												
14129-Lead (TSP) LC			1			1113								24 HOUR	0		Micrograms/cubic meter (LC)	
2016	0	98	60	0	0	.002	10	25	50	75	90	95	98	99		1	2	.0271
							.004	.008	.013	.039	.070	.088	.138	.162		.162	.138	
14129-Lead (TSP) LC			2			1113								24 HOUR	0		Micrograms/cubic meter (LC)	
2016	0	94	29	0	0	.003	10	25	50	75	90	95	98	99		1	2	.0181
							.004	.007	.011	.020	.053	.056	.069	.069		.069	.056	
81102-PM10 Total 0-10um STP			3			1113								24 HOUR	0		Micrograms/cubic meter (25 C)	
2016	0	88	177	0	0	2	10	25	50	75	90	95	98	99		1	2	16.8
							5	9	15	21	31	40	49	58		84	58	
88101-PM2.5 - Local Conditions			1			1113								24 HOUR	0		Micrograms/cubic meter (LC)	
2016	0	93	182	2	2	1.2	10	25	50	75	90	95	98	99		1	2	7.24
							2.5	3.4	5.2	8.4	14.1	20.8	30.7	35.7		50.4	35.7	

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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:

Year	Exc	Evt	POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc	
			%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum	Values
				1			1113								8-HR RUN AVG	0	Parts per million	
															END HOUR			
2016	0	17	1498	0	0	.1	10	25	50	75	90	95	98	99		1	2	.44
								.2	.3	.4	.6	.8	.9	1.1	1.2		1.4	1.3
				1			1113								1 HOUR	0	Parts per billion	
								INSTRUMENTAL					.2					
2016	0	10	861	0		.5	10	25	50	75	90	95	98	99		1	2	1.97
								.6	.8	1.4	2.0	4.1	4.5	13.3	13.3		13.3	4.5
				2			1113								5 MINUTE	0	Parts per billion	
								INSTRUMENTAL					.2					
2016	0	79	83380			.0	10	25	50	75	90	95	98	99		1	2	1.12
								.3	.9	1.1	1.3	1.7	2.0	2.5	3.0		44.8	36.6
				1			1113								1 HOUR	0	Parts per billion	
								INSTRUMENTAL					1					
2016	0	67	5847			1.0	10	25	50	75	90	95	98	99		1	2	18.09
								3.0	5.0	13.0	29.0	41.0	46.0	51.0	54.0		75.0	72.0
				1			1113								8-HR RUN AVG	0	Parts per million	
															BEGIN HOUR			
2016	0	84	5727	6	6	.008	10	25	50	75	90	95	98	99		1	2	.0523
								.046	.048	.053	.058	.063	.070	.078	.081		.081	.081
				1			1113								24 HOUR	0	Micrograms/cubic meter	
								R - P Co Partisol					4					
								Model 2025										
2016	0	86	315	0	0	2	10	25	50	75	90	95	98	99		1	2	18.2
								6	10	16	23	31	39	66	72		85	78

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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	Gravimetric	2	24 HOUR	0	Micrograms/cubic meter (LC)										
2016	0	96	350	9	9	.2	10	25	50	75	90	95	98	99	1	2	8.20							
									2.5	3.6	5.8	8.8	16.5	24.8	42.0	52.4	59.1	58.9						
88101-PM2.5 - Local Conditions	4			1113					Thermo Scientific Model 5030 SHARP w/VSCC	Beta Attenuation	2	1 HOUR	0	Micrograms/cubic meter (LC)										
2016	0	97	8518			.1	10	25	50	75	90	95	98	99	1	2	8.12							
									2.2	3.4	5.5	8.7	15.6	25.5	41.3	51.6	198.5	125.7						
88101-PM2.5 - Local Conditions	4			1113								24-HR BLK AVG	0	Micrograms/cubic meter (LC)										
2016	0	96	353	7	7	1.7	10	25	50	75	90	95	98	99	1	2	8.08							
									3.1	3.8	5.9	8.2	14.6	23.0	34.4	47.0	59.3	56.2						
88101-PM2.5 - Local Conditions	5			1113					Thermo Scientific TEOM 1405-DF Dichotomous FDMS	FDMS Gravimetric	2	1 HOUR	0	Micrograms/cubic meter (LC)										
2016	0	99	8683			-10.0	10	25	50	75	90	95	98	99	1	2	7.97							
									1.4	3.0	5.2	8.6	16.2	28.2	44.8	52.9	204.1	174.8						
88101-PM2.5 - Local Conditions	5			1113								24-HR BLK AVG	0	Micrograms/cubic meter (LC)										
2016	0	99	364	10	10	.7	10	25	50	75	90	95	98	99	1	2	7.91							
									2.8	3.7	5.1	7.8	16.6	25.2	38.4	48.5	57.8	56.9						

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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	Percentages					Obs		Maximum	Arith Mean		
						Obs								Values			
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)	
2016	0	88	322	11	11	1.1	10	25	50	75	90	95	98	99	1	2	9.62
							3.0	4.2	6.8	10.6	20.3	27.0	43.2	53.3	64.8	57.0	
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)	
2016	0	74	36	1	1	1.8	10	25	50	75	90	95	98	99	1	2	8.79
							3.4	5.2	6.6	11.0	21.4	26.6	38.5	38.5	38.5	26.6	

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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 CHEMILUMINESCENCE								1	1 HOUR	0	Parts per billion			
2016	0	94	8271				.0	10	25	50	75	90	95	98	99		1	2	6.55				
								1.0	2.0	4.0	8.0	15.0	23.0	33.0	38.0			53.0	52.0				
44201-Ozone	1			1113														8-HR RUN AVG	0	Parts per million			
															BEGIN HOUR								
2016	0	98	6083	12	12		.016	10	25	50	75	90	95	98	99		1	2	.0561				
								.050	.052	.056	.062	.067	.074	.077	.082			.085	.082				
81102-PM10 Total 0-10um STP	1			1113				R - P Co Partisol Gravimetric								4	24 HOUR	0	Micrograms/cubic meter (25 C)				
2016	0	93	340	0	0		1	10	25	50	75	90	95	98	99		1	2	18.6				
								5	8	15	28	38	44	52	64			73	67				
88101-PM2.5 - Local Conditions	3			1113				Thermo Scientific FDMS Gravimetric								2	1 HOUR	0	Micrograms/cubic meter (LC)				
								TEOM 1405-DF Dichotomous FDMS															
2016	0	85	7460				-10.0	10	25	50	75	90	95	98	99		1	2	4.54				
								-.2	1.3	3.2	5.5	8.5	12.2	29.3	40.1			151.3	79.9				
88101-PM2.5 - Local Conditions	3			1113													24-HR BLK AVG	0	Micrograms/cubic meter (LC)				
2016	0	84	308	4	4		.1	10	25	50	75	90	95	98	99		1	2	4.47				
								1.2	2.0	3.2	4.7	6.9	10.3	24.9	41.6			47.8	45.4				



FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

Utah

Site ID: 49-037-0101	AQCR: FOUR CORNERS	Latitude: +38.458320
County: San Juan	Urban Area: NOT IN AN URBAN AREA	Longitude: -109.821260
City: Not in a city	Location Setting: RURAL	UTM Zone:
Support Agency: 0745	Land Use: DESERT	Utm Northing:
Address: CANYONLANDS NATIONAL PARK, UTAH		Utm Easting:
		Vertical Meas: 1,794.0

Site Comments: OZONE AND MET PARAMETERS INSTALLED ON 08/13/92 DASIBI 1003-AH ANALYZER, DASIBI 1003-PC CALIBRATOR, CLIMATRONICS 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
44201-Ozone			1			0745									8-HR RUN AVG	0	Parts per million		
															BEGIN HOUR				
2016	0	99	6151	0	0	.028	10	25	50	75	90	95	98	99		1	2	.0514	
							.049	.051	.054	.056	.060	.062	.064	.066		.068	.066		

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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 CHEMILUMINESCENCE								1	1 HOUR	0	Parts per billion			
2016	0	67	5859				.0	10	25	50	75	90	95	98	99		1	2	3.15				
								1.0	2.0	2.0	4.0	6.0	8.0	12.0	14.0			26.0	25.0				
44201-Ozone	1			1113														8-HR RUN AVG	0	Parts per million			
															BEGIN HOUR								
2016	0	100	5350	5	5		.022	10	25	50	75	90	95	98	99		1	2	.0521				
								.047	.049	.052	.057	.062	.068	.072	.081			.092	.081				
88101-PM2.5 - Local Conditions	1			1113					R & P Model 2025 Gravimetric								2	24 HOUR	0	Micrograms/cubic meter (LC)			
2016	0	88	190	2	2		.8	10	25	50	75	90	95	98	99		1	2	6.91				
								2.5	3.4	5.3	8.7	14.5	19.7	30.9	38.2			43.3	38.2				
88101-PM2.5 - Local Conditions	3			1113					Thermo Scientific Model 5030 SHARP								2	1 HOUR	0	Micrograms/cubic meter (LC)			
2016	0	89	7848				.6	10	25	50	75	90	95	98	99		1	2	5.12				
								1.6	2.3	3.9	6.4	9.8	12.2	16.3	22.2			62.5	62.1				
88101-PM2.5 - Local Conditions	3			1113														24-HR BLK AVG	0	Micrograms/cubic meter (LC)			
2016	0	89	325	0	0		.8	10	25	50	75	90	95	98	99		1	2	5.07				
								1.9	2.5	4.3	6.5	9.5	10.7	13.0	17.1			34.9	24.8				

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

Utah

Site ID: 49-047-1002  
 County: Uintah  
 City: Not in a city  
 Support Agency: 0745  
 Address: Dinosaur National Monument

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

Latitude: +40.437200  
 Longitude: -109.304700  
 UTM Zone:  
 Utm Northing:  
 Utm Easting:  
 Vertical Meas: 1,463.0

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				
2016	0	97	5878	5	5	.018	10	25	50	75	90	95	98	99		1	2	.0505
							.045	.048	.051	.055	.060	.064	.071	.077		.083	.080	

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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:

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 CHEMILUMINESCENCE								1	1 HOUR	0	Parts per billion			
2016	0	36	3181				.0	10	25	50	75	90	95	98	99		1	2	3.07				
							.0	1.0	2.0	4.0	7.0	10.0	14.0	17.0			95.0	52.0					
44201-Ozone	1			1113														8-HR RUN AVG BEGIN HOUR	0	Parts per million			
2016	0	98	6154	5	5		.020	10	25	50	75	90	95	98	99		1	2	.0511				
							.045	.046	.051	.057	.061	.063	.072	.076			.078	.076					
88101-PM2.5 - Local Conditions	4			1113					Thermo Scientific Model 5030 SHARP w/VSCC				Beta Attenuation				2	1 HOUR	0	Micrograms/cubic meter (LC)			
2016	0	73	6411				.8	10	25	50	75	90	95	98	99		1	2	6.00				
							2.0	2.6	4.0	6.6	12.1	18.4	27.3	33.1			50.4	47.8					
88101-PM2.5 - Local Conditions	4			1113														24-HR BLK AVG	0	Micrograms/cubic meter (LC)			
2016	0	73	266	0	0		1.2	10	25	50	75	90	95	98	99		1	2	5.96				
							2.4	2.9	4.2	6.6	11.4	18.6	24.9	28.7			29.9	29.6					

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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			
2016	0	72	6342			-.5	10	25	50	75	90	95	98	99	1	2	2.38		
							.3	.6	1.1	2.8	6.6	9.2	12.1	14.1		26.6	26.2		
44201-Ozone		1		687		8-HR RUN AVG BEGIN HOUR									0	Parts per million			
2016	0	95	4526	7	7	.032	10	25	50	75	90	95	98	99	1	2	.0509		
							.044	.047	.051	.055	.059	.064	.083	.087		.096	.094		



FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

Utah

Site ID: 49-047-7022  
 County: Uintah  
 City: Not in a city  
 Support Agency: 687  
 Address: WHITE ROCKS & COUNTY ROAD

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

Latitude: +40.483598  
 Longitude: -109.906796  
 UTM Zone:  
 Utm Northing:  
 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							.05	1 HOUR	0	Parts per billion			
						Chemiluminescence													
						Teledyne API 200													
						EU/501													
2016	0	73	6439			.1	10	25	50	75	90	95	98	99		1	2	1.37	
							.4	.5	.8	1.2	3.1	5.5	8.1	9.8		13.3	13.0		
44201-Ozone		1		687		8-HR RUN AVG									0	Parts per million			
						BEGIN HOUR													
2016	0	100	4615	7	7	.033	10	25	50	75	90	95	98	99		1	2	.0507	
							.046	.048	.051	.055	.059	.064	.080	.081		.086	.083		

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

Utah

Site ID: 49-049-0002  
 County: Utah  
 City: Provo  
 Support Agency: 1113  
 Address: 1355 NORTH 200 WEST PROVO UT

AQCR: WASATCH FRONT  
 Urban Area: PROVO-OREM, UT  
 Location Setting: URBAN AND CENTER CITY  
 Land Use: COMMERCIAL

Latitude: +40.253611  
 Longitude: -111.663056  
 UTM Zone:  
 Utm Northing:  
 Utm Easting:  
 Vertical Meas: 1,402.0

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					
2016	0	91	8015	0	0		.0	10	25	50	75	90	95	98	99			99	1	2	.30				
									.1	.1	.2	.4	.6	.8	.9			1.1		1.4	1.3				
42602-Nitrogen dioxide (NO2)	1			1113					INSTRUMENTAL	CHEMILUMINESCENCE					1	1 HOUR	0	Parts per billion							
2016	0	98	8643				.0	10	25	50	75	90	95	98	99				1	2	15.25				
									3.0	5.0	11.0	23.0	34.0	41.0	47.0			52.0		128.0	121.0				
44201-Ozone	2			1113														8-HR RUN AVG	0	Parts per million					
2016	0	97	6105	5	5		.003	10	25	50	75	90	95	98	99			99	1	2	.0549				
									.048	.051	.056	.061	.067	.069	.073			.074		.087	.074				
81102-PM10 Total 10um STP	2			1113					R - P Co Partisol	Gravimetric					4	24 HOUR	0	Micrograms/cubic meter (25 C)							
2016	0	97	190	0	0		2	10	25	50	75	90	95	98	99				1	2	20.0				
									8	12	17	24	39	47	64			66		104	66				
81102-PM10 Total 10um STP	3			1113					R - P Co Partisol	Gravimetric					4	24 HOUR	0	Micrograms/cubic meter (25 C)							
2016	0	67	32	0	0		9	10	25	50	75	90	95	98	99				1	2	23.3				
									13	16	21	31	34	50	70			70		70	50				
88101-PM2.5 - Local Conditions	1			1113					R & P Model 2025	Gravimetric					2	24 HOUR	0	Micrograms/cubic meter (LC)							
									PM-2.5 Sequential																
									Air Sampler																
									w/VSCC																
2016	0	93	342	8	8		1.0	10	25	50	75	90	95	98	99				1	2	8.33				
									2.8	4.1	6.1	8.6	14.7	25.9	39.2			49.8		67.2	53.0				



FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

Utah

Site ID: 49-049-0002  
 County: Utah  
 City: Provo  
 Support Agency: 1113  
 Address: 1355 NORTH 200 WEST PROVO UT

AQCR: WASATCH FRONT  
 Urban Area: PROVO-OREM, UT  
 Location Setting: URBAN AND CENTER CITY  
 Land Use: COMMERCIAL

Latitude: +40.253611  
 Longitude: -111.663056  
 UTM Zone:  
 Utm Northing:  
 Utm Easting:  
 Vertical Meas: 1,402.0

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 Thermo Scientific Model 5030 SHARP w/VSCC							2	1 HOUR	0	Micrograms/cubic meter (LC)	
2016	0	71	6228			-8.9	10	25	50	75	90	95	98	99		1	2	6.02	
							.0	1.6	4.0	7.3	12.6	20.9	33.6	46.3		70.5	69.8		
88101-PM2.5 - Local Conditions		3			1113											24-HR BLK AVG	0	Micrograms/cubic meter (LC)	
2016	0	70	255	6	6	-.6	10	25	50	75	90	95	98	99		1	2	5.98	
							1.7	2.6	4.1	5.9	10.6	21.1	35.8	40.6		52.6	45.6		

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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
81102-PM10 Total	0-	2			1113		R - P Co Partisol Model 2025							4	24 HOUR	0	Micrograms/cubic meter (25 C)	
2016	0	90	328	0	0	2	10	25	50	75	90	95	98	99		1	2	19.3
							7	11	17	25	35	41	51	56		106	60	
88101-PM2.5 - Local	1				1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC							2	24 HOUR	0	Micrograms/cubic meter (LC)	
2016	0	75	274	1	1	.8	10	25	50	75	90	95	98	99		1	2	8.28
							2.7	4.0	6.5	10.6	15.3	20.8	27.7	33.0		41.0	35.3	
88101-PM2.5 - Local	2				1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC							2	24 HOUR	0	Micrograms/cubic meter (LC)	
2016	0	72	42	0	0	1.6	10	25	50	75	90	95	98	99		1	2	7.05
							4.7	5.3	6.4	10.6	16.5	17.2	19.5	19.5		19.5	17.2	
88101-PM2.5 - Local	3				1113		Thermo Scientific TEOM 1405-DF Dichotomous FDMS							2	1 HOUR	0	Micrograms/cubic meter (LC)	
2016	0	70	6149			-10.0	10	25	50	75	90	95	98	99		1	2	5.95
							.7	2.1	4.0	6.4	11.1	21.4	35.0	46.1		77.5	74.6	
88101-PM2.5 - Local	3				1113		24-HR BLK AVG								24-HR BLK AVG	0	Micrograms/cubic meter (LC)	
2016	0	69	254	7	7	.0	10	25	50	75	90	95	98	99		1	2	5.88
							2.0	2.9	4.0	5.6	9.3	20.9	36.3	38.1		52.8	41.0	

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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	
44201-Ozone		1		1113										8-HR RUN AVG	0	Parts per million		
2016	0	99	6132	6	6	.012	10	25	50	75	90	95	98	99	1	2	.0543	
							.047	.050	.054	.060	.066	.070	.072	.074		.092	.074	
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)	
2016	0	92	179	2	2	.8	10	25	50	75	90	95	98	99	1	2	7.02	
							2.2	3.2	5.2	7.2	13.6	24.5	29.2	41.0		41.2	41.0	

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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	CHEMILUMINESCENCE										1	1 HOUR	0	Parts per billion			
2016	0	66	5800				.0	10	25	50	75	90	95	98	99		1	2	3.08							
							.0	1.0	2.0	3.0	7.0	12.0	17.0	21.0			37.0	36.0								
44201-Ozone	1			1113											8-HR RUN AVG	0	Parts per million									
															BEGIN HOUR											
2016	0	99	5720	0	0		.022	10	25	50	75	90	95	98	99		1	2	.0511							
							.047	.049	.053	.057	.060	.061	.062	.063			.065	.063								
81102-PM10 Total 0-10um STP	1			1113					R - P Co Partisol Model 2025	Gravimetric										4	24 HOUR	0	Micrograms/cubic meter (25 C)			
2016	0	90	112	0	0		2	10	25	50	75	90	95	98	99		1	2	13.4							
							4	7	12	17	24	27	33	38			46	38								
88101-PM2.5 - Local Conditions	1			1113					R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC	Gravimetric										2	24 HOUR	0	Micrograms/cubic meter (LC)			
2016	0	95	116	0	0		1.1	10	25	50	75	90	95	98	99		1	2	3.88							
							1.9	2.6	3.6	4.8	6.3	7.3	8.4	9.4			9.4	9.4								
88101-PM2.5 - Local Conditions	3			1113					Thermo Scientific Model 5030 SHARP w/VSCC	Beta Attenuation										2	1 HOUR	0	Micrograms/cubic meter (LC)			
2016	0	81	7087				.1	10	25	50	75	90	95	98	99		1	2	5.37							
							2.2	2.6	4.1	6.7	10.0	13.0	18.1	21.8			64.9	58.2								

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

Utah

Site ID: 49-053-0007  
 County: Washington  
 City: Hurricane  
 Support Agency: 1113  
 Address: 147 N 870 W, Hurrricane, 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	
88101-PM2.5 - Local Conditions		3			1113									24-HR BLK AVG	0	Micrograms/cubic meter (LC)		
2016	0	80	294	0	0	.9	10	25	50	75	90	95	98	99		1	2	5.28
							2.6	3.2	4.6	6.6	8.7	10.6	14.1	15.9		20.3	17.6	

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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				
2016	0	99	6117	0	0	.026	10	25	50	75	90	95	98	99	1	2	.0523
							.049	.050	.054	.058	.061	.062	.064	.064	.066	.064	

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

Utah

Site ID: 49-057-0002  
 County: Weber  
 City: Ogden  
 Support Agency: 1113  
 Address: 228 32ND STREET, OGDEN, UTAH

AQCR: WASATCH FRONT  
 Urban Area: OGDEN, UT  
 Location Setting: URBAN AND CENTER CITY  
 Land Use: RESIDENTIAL

Latitude: +41.206321  
 Longitude: -111.975524  
 UTM Zone:  
 Utm Northing:  
 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 END HOUR	0	Parts per million			
2016	0	83	7289	0	0	.1	10	25	50	75	90	95	98	99			1	2	.55		
						.2	.4	.6	.7	.9	.9	1.0	1.1				5.9	2.8			
42602-Nitrogen dioxide (NO2)	1		1113				Instrumental	Chemiluminescence					.05	1 HOUR	0	Parts per billion					
								Thermo Electron 42C-TL, 42i-TL													
2016	0	82	7238			.0	10	25	50	75	90	95	98	99			1	2	14.82		
						2.0	4.0	11.0	24.0	33.0	38.0	44.0	49.0				135.0	100.0			
44201-Ozone	1		1113												8-HR RUN AVG BEGIN HOUR	0	Parts per million				
2016	0	98	5112	6	6	.004	10	25	50	75	90	95	98	99			1	2	.0519		
						.046	.048	.051	.057	.063	.069	.072	.079				.083	.079			
81102-PM10 Total 0-10um STP	1		1113				R - P Co Partisol Model 2025	Gravimetric					4	24 HOUR	0	Micrograms/cubic meter (25 C)					
2016	0	86	313	0	0	2	10	25	50	75	90	95	98	99			1	2	20.0		
						6	10	18	27	35	42	55	59				65	62			
88101-PM2.5 - Local Conditions	1		1113				R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC	Gravimetric					2	24 HOUR	0	Micrograms/cubic meter (LC)					
2016	0	86	316	10	10	1.0	10	25	50	75	90	95	98	99			1	2	9.05		
						2.9	4.4	6.7	10.0	17.0	25.8	39.0	42.8				49.2	46.2			

FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

Utah

Site ID: 49-057-0002  
 County: Weber  
 City: Ogden  
 Support Agency: 1113  
 Address: 228 32ND STREET, OGDEN, UTAH

AQCR: WASATCH FRONT  
 Urban Area: OGDEN, UT  
 Location Setting: URBAN AND CENTER CITY  
 Land Use: RESIDENTIAL

Latitude: +41.206321  
 Longitude: -111.975524  
 UTM Zone:  
 Utm Northing:  
 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		3		1113		Thermo Scientific TEOM 1405-DF Dichotomous FDMS						2	1 HOUR	0	Micrograms/cubic meter (LC)		
2016	0	48	4197			-10.0	10	25	50	75	90	95	98	99	1	2	5.07
							.0	2.1	4.4	7.2	10.6	13.2	18.4	24.4		95.9	93.2
88101-PM2.5 - Local Conditions		3		1113									24-HR BLK AVG	0	Micrograms/cubic meter (LC)		
2016	0	47	172	0	0	-.4	10	25	50	75	90	95	98	99	1	2	5.06
							2.0	3.5	4.7	6.3	8.0	9.7	11.6	13.8		14.6	13.8



FREQUENCY DISTRIBUTION REPORT

Apr. 18, 2017

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
			1		1113									8-HR RUN AVG	0	Parts per million	
														BEGIN HOUR			
2016	0	98	6192	8	8	.010	10	25	50	75	90	95	98	99	1	2	.0553
							.050	.052	.055	.061	.067	.072	.074	.075	.079	.075	