

User ID: RPW

FREQUENCY DISTRIBUTION REPORT

Report Request ID: 903473

Report Code: AMP230

Aug. 25, 2011

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region	Method	Duration	Begin Date	End Date
49															

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
CRITERIA			

SELECTED OPTIONS

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

SORT ORDER

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

SCR GROUP SELECTIONS

Utah

GLOBAL DATES

Start Date	End Date
2009	2009

APPLICABLE STANDARDS

Standard Description
CO 8-hour 1971
Lead 3-Month 2009
Lead 3-Month PM10 Surrogate 2009
Lead Quarterly 1978
NO2 Annual 1971
Ozone 8-Hour 2008
PM10 24-hour 2006
PM25 24-hour 2006
SO2 1-hour 2010

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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

Aug. 25, 2011

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: +41.492778
 Longitude: -112.018056
 UTM Zone: 12
 Utm Northing: 4593750
 Utm Easting: 415018
 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														8-HR RUN AVG	0	Parts per million					
																	BEGIN HOUR							
2009	0	93	3689	1	1	.036	10	25	50	75	90	95	98	99				1	2	.0532				
																			.079	.070				
88101-PM2.5 - Local Conditions			1														R & P Model 2025		Gravimetric	2	24 HOUR	0	Micrograms/cubic meter (LC)	
																	PM-2.5 Sequential							
																	Air Sampler							
																	w/VSCC							
2009	0	98	120	3	3	1.3	10	25	50	75	90	95	98	99				1	2	8.51				
																			47.9	38.6				

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-005-0004	AQCR: UTAH	Latitude: +41.731111
County: Cache	Urban Area: NOT IN AN URBAN AREA	Longitude: -111.837500
City: Logan	Location Setting: URBAN AND CENTER CITY	UTM Zone: 12
Support Agency: 1113	Land Use: COMMERCIAL	Utm Northing: 4620024
Address: 125 W. CENTER STREET, LOGAN, UT		Utm Easting: 430337
		Vertical Meas: 1,380.0

Site Comments: SITE REPLACES 490050002 WHICH WAS CLOSED DUE TO DEMOLITION.:

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			
2009	0	88	7724				.0	10	25	50	75	90	95	98	99		1	2	12.61						
								2.0	4.0	9.0	20.0	30.0	34.0	37.0	40.0		49.0	47.0							
44201-Ozone	1			1113					CHEMILUMINESCENCE											8-HR RUN AVG	0	Parts per million			
2009	0	99	8694	0	0		.004	10	25	50	75	90	95	98	99		1	2	.0500						
								.047	.049	.053	.055	.059	.060	.061	.062		.063	.062							
81102-PM10 Total 0-10um STP	1			1113					R - P Co Partisol Model 2000										4	24 HOUR	0	Micrograms/cubic meter (25 C)			
2009	0	95	116	0	0		2	10	25	50	75	90	95	98	99		1	2	22.6						
								9	13	20	29	40	52	60	62		85	62							
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)			
2009	0	99	360	18	18		1.0	10	25	50	75	90	95	98	99		1	2	10.36						
								3.3	4.5	6.6	11.0	25.7	35.5	42.7	49.2		68.9	58.5							
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)			
2009	0	98	60	3	3		2.2	10	25	50	75	90	95	98	99		1	2	10.37						
								3.5	4.5	6.4	14.0	26.5	36.3	37.4	42.5		42.5	37.4							

FREQUENCY DISTRIBUTION REPORT

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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: 12
Support Agency: 1113	Land Use: RESIDENTIAL	Utm Northing: 4528150.36
Address: 171 WEST 1370 NORTH, BOUNTIFUL, UTAH		Utm Easting: 425503.56
		Vertical Meas: 1,309.0

Site Comments: NEW SITE TO REPLACE 490110001:

Year	Parameter	POC		PQAO		Min Obs	Method of Collection and Analysis								MDL	Duration	EDT	Unit Desc				
		Exc	Evt	%Obs	#Obs		#Pri	#Sec	Percentages									Maximum Values	Arith Mean			
	42401-Sulfur dioxide			1																		
2009		0		98	8562	0	.0	10	25	50	75	90	95	98	99		0	1	2	3.72		
								1.0	2.0	3.0	5.0	7.0	9.0	12.0	13.0				17.0	15.0		
	42602-Nitrogen dioxide (NO2)			1																		
2009		0		97	8485		.0	10	25	50	75	90	95	98	99		0	1	2	17.45		
								3.0	6.0	13.0	27.0	39.0	44.0	50.0	54.0				84.0	77.0		
	44201-Ozone			1																		
2009		0		99	4072	0	.030	10	25	50	75	90	95	98	99	8-HR RUN AVG BEGIN HOUR	0	1	2	.0512		
								.043	.047	.051	.057	.065	.068	.071	.071				.075	.071		
	81102-PM10 Total 0-10um STP			5																		
2009		0		95	58	0	2	10	25	50	75	90	95	98	99	R&P Model 2000 Partisol	4	24 HOUR	0	1	2	21.9
								8	11	17	28	42	53	67	74				74	67		
	88101-PM2.5 - Local Conditions			1																		
2009		0		89	110	6	1.4	10	25	50	75	90	95	98	99	R & P Model 2000 PM-2.5 Air Sampler w/VSCC	2	24 HOUR	0	1	2	10.11
								3.7	4.5	6.4	10.2	25.3	35.5	43.8	53.3				55.9	53.3		

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-035-0003	AQCR: WASATCH FRONT	Latitude: +40.646667
County: Salt Lake	Urban Area: SALT LAKE CITY, UT	Longitude: -111.849722
City: Not in a city	Location Setting: SUBURBAN	UTM Zone: 12
Support Agency: 1113	Land Use: RESIDENTIAL	Utm Northing: 4499650
Address: 5715 S. 1400 E., SALT LAKE CITY		Utm Easting: 428153
		Vertical Meas: 1,335.0

Site Comments: LOCATED ON SE EDGE OF COTTONWOOD HIGH SCHOOL ATHLETIC FIELD:

Year	Parameter	POC		PQAO		Method of Collection and Analysis								MDL	Duration	EDT	Unit Desc			
		Exc	Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum	Values	Arith
	42101-Carbon monoxide			1													8-HR RUN AVG END HOUR	0	Parts per million	
2009		0		100	8722	0	0	.3	10	25	50	75	90	95	98	99		1	2	.51
								.3	.3	.3	.6	1.0	1.3	1.5	1.6			2.1	2.1	
	42602-Nitrogen dioxide (NO2)			1													1 HOUR	0	Parts per billion	
2009		0		95	8360			.0	10	25	50	75	90	95	98	99		1	2	18.42
								3.0	6.0	15.0	28.0	40.0	44.0	50.0	52.0			68.0	65.0	
	44201-Ozone			1													8-HR RUN AVG BEGIN HOUR	0	Parts per million	
2009		0		98	3812	1	1	.023	10	25	50	75	90	95	98	99		1	2	.0534
								.043	.047	.054	.061	.067	.069	.071	.072			.078	.072	
	81102-PM10 Total 0-10um STP			1													24 HOUR	0	Micrograms/cubic meter (25 C)	
2009		0		98	120	0	0	4	10	25	50	75	90	95	98	99		1	2	28.0
								12	17	25	35	52	57	75	91			103	91	
	88101-PM2.5 - Local Conditions			1													24 HOUR	0	Micrograms/cubic meter (LC)	
2009		0		99	361	19	19	1.1	10	25	50	75	90	95	98	99		1	2	11.10
								3.9	5.3	7.2	11.3	22.2	35.5	49.7	63.9			74.3	72.8	

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-035-0012
 County: Salt Lake
 City: Salt Lake City
 Support Agency: 1113
 Address: 1795 N WARM SPRINGS RD (1025 W) SLC UTAH

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

Latitude: +40.807500
 Longitude: -111.921111
 UTM Zone: 12
 Utm Northing: 4517585
 Utm Easting: 422312
 Vertical Meas: 1,286.0

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 Mean	
			1		1113			INSTRUMENTAL PULSED FLUORESCENT						2	1 HOUR	0	Parts per billion	
2009	0	97	8473	0		2.0	10	25	50	75	90	95	98	99	1	2	8.87	
							4.0	5.0	7.0	11.0	15.0	19.0	23.0	38.0		69.0	46.0	
81102-PM10 Total 0-			2		1113			R - P Co Partisol Gravimetric						4	24 HOUR	1	Micrograms/cubic meter (25 C)	
2009	0	98	357	0	0	2	10	25	50	75	90	95	98	99	1	2	34.8	
							14	19	31	45	59	71	85	98		142	117	
81102-PM10 Total 0-			2		1113			R - P Co Partisol Gravimetric						4	24 HOUR	2	Micrograms/cubic meter (25 C)	
2009	1	98	358	1	1	2	10	25	50	75	90	95	98	99	1	2	35.2	
							14	20	32	45	59	71	91	101		204	142	
81102-PM10 Total 0-			2		1113			R - P Co Partisol Gravimetric						4	24 HOUR	5	Micrograms/cubic meter (25 C)	
2009	1	98	358	1	1	2	10	25	50	75	90	95	98	99	1	2	35.2	
							14	20	32	45	59	71	91	101		204	142	
81102-PM10 Total 0-			3		1113			R - P Co Partisol Gravimetric						4	24 HOUR	0	Micrograms/cubic meter (25 C)	
								R - P Co Partisol Gravimetric						4				
2009	0	92	57	0	0	9	10	25	50	75	90	95	98	99	1	2	36.9	
							16	22	33	48	62	65	84	96		96	84	

FREQUENCY DISTRIBUTION REPORT

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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: 12
 Utm Northing: 4506792
 Utm Easting: 407529
 Vertical Meas: 1,317.0

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	
	42401-Sulfur dioxide		4		1113		INSTRUMENTAL PULSED FLUORESCENT						2	1 HOUR	0	Parts per billion		
2009	0	99	8651	0			.0	10	25	50	75	90	95	98	99	1	2	6.26
							2.0	2.0	4.0	8.0	12.0	17.0	25.0	28.0		37.0	31.0	
	81102-PM10 Total 0-10um STP		3		1113		R - P Co Partisol Model 2000						4	24 HOUR	0	Micrograms/cubic meter (25 C)		
	R - P Co Partisol Model 2025						Gravimetric						4					
2009	0	94	115	0	0		2	10	25	50	75	90	95	98	99	1	2	23.1
							8	13	20	31	41	46	50	69		85	69	
	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)		
2009	0	98	120	2	2		1.2	10	25	50	75	90	95	98	99	1	2	8.75
							3.0	4.1	6.1	8.8	15.4	31.3	35.1	52.1		69.0	52.1	

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-035-2004	AQCR: WASATCH FRONT	Latitude: +40.736389
County: Salt Lake	Urban Area: SALT LAKE CITY, UT	Longitude: -112.210278
City: Not in a city	Location Setting: RURAL	UTM Zone: 12
Support Agency: 1113	Land Use: INDUSTRIAL	Utm Northing: 4509978
Address: 12100 W 1200 S, LAKEPOINT, UTAH		Utm Easting: 397806
		Vertical Meas: 1,284.0

Site Comments: LOCATED AT GREAT SALT LAKE MARINA, NW SIDE OF I-80 TRAILER MOVED ACROSS PARKING LOT, APPROX. 70 M NORTH OF PREV. SITE:

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
42401-Sulfur dioxide	1		1113					INSTRUMENTAL				ULTRAVIOLET FLUORESCENCE				.4	1 HOUR	0	Parts per billion
2009	0	96	8395	3		.0		10	25	50	75	90	95	98	99		1	2	6.16
								2.0	2.0	4.0	6.0	10.0	14.0	21.0	69.0		279.0	108.0	
44201-Ozone	1		1113														8-HR RUN AVG BEGIN HOUR	0	Parts per million
2009	0	90	3416	2	2	.033		10	25	50	75	90	95	98	99		1	2	.0549
								.042	.048	.054	.062	.068	.071	.075	.079		.079	.079	

FREQUENCY DISTRIBUTION REPORT

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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: 12
 Utm Northing: 4509639
 Utm Easting: 426359
 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 END HOUR	0		Parts per million		
2009	0	98	8600	0	0	.1	10	25	50	75	90	95	98	99		1	2	.47		
							.2	.2	.3	.6	1.0	1.2	1.5	1.7			2.4	2.3		
42602-Nitrogen dioxide (NO2)	1		1113				INSTRUMENTAL	CHEMILUMINESCENCE				1	1 HOUR	0		Parts per billion				
2009	0	98	8578			.0	10	25	50	75	90	95	98	99		1	2	18.22		
							3.0	6.0	14.0	29.0	40.0	45.0	49.0	52.0			72.0	67.0		
44201-Ozone	1		1113											8-HR RUN AVG BEGIN HOUR	0		Parts per million			
2009	0	97	8604	2	2	.002	10	25	50	75	90	95	98	99		1	2	.0539		
							.047	.050	.053	.061	.069	.070	.075	.076			.081	.076		
81102-PM10 Total 10um STP	1		1113				R - P Co Partisol Model 2025	Gravimetric				4	24 HOUR	1		Micrograms/cubic meter (25 C)				
2009	0	96	349	0	0	2	10	25	50	75	90	95	98	99		1	2	27.5		
							11	15	22	34	53	62	85	100			103	102		
81102-PM10 Total 10um STP	1		1113				R - P Co Partisol Model 2025	Gravimetric				4	24 HOUR	2		Micrograms/cubic meter (25 C)				
2009	1	96	350	1	1	2	10	25	50	75	90	95	98	99		1	2	27.9		
							11	15	22	34	53	62	96	101			167	103		
81102-PM10 Total 10um STP	1		1113				R - P Co Partisol Model 2025	Gravimetric				4	24 HOUR	5		Micrograms/cubic meter (25 C)				
2009	1	96	350	1	1	2	10	25	50	75	90	95	98	99		1	2	27.9		
							11	15	22	34	53	62	96	101			167	103		

FREQUENCY DISTRIBUTION REPORT

Aug. 25, 2011

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: 12
 Utm Northing: 4509639
 Utm Easting: 426359
 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	1	Micrograms/cubic meter (LC)				
2009	0	96	350	16	16	1.4	10	25	50	75	90	95	98	99	1	2	10.77		
							3.9	5.2	7.0	11.8	21.1	33.4	45.2	66.9		72.1	69.8		
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)				
2009	1	96	351	17	17	1.4	10	25	50	75	90	95	98	99	1	2	10.85		
							3.9	5.2	7.1	11.9	21.6	33.6	45.2	66.9		72.1	69.8		
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)				
2009	1	96	351	17	17	1.4	10	25	50	75	90	95	98	99	1	2	10.85		
							3.9	5.2	7.1	11.9	21.6	33.6	45.2	66.9		72.1	69.8		

FREQUENCY DISTRIBUTION REPORT

Aug. 25, 2011

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	Percentages									Maximum Values	Arith Mean		
						Min	Obs											
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)			
2009	0	88	319	11	11	1.2	10	25	50	75	90	95	98	99	1	2	9.88	
						3.6	5.1	6.9	10.3	18.1	27.5	44.6	58.6	64.3	64.2			
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)			
2009	1	88	320	12	12	1.2	10	25	50	75	90	95	98	99	1	2	9.97	
						3.6	5.1	6.9	10.3	18.1	33.2	44.6	58.6	64.3	64.2			
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)			
2009	0	88	319	11	11	1.2	10	25	50	75	90	95	98	99	1	2	9.88	
						3.6	5.1	6.9	10.3	18.1	27.5	44.6	58.6	64.3	64.2			
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)			
2009	0	97	59	3	3	1.9	10	25	50	75	90	95	98	99	1	2	10.98	
						3.4	5.1	8.2	12.2	22.4	36.3	41.4	63.9	63.9	41.4			

FREQUENCY DISTRIBUTION REPORT

Aug. 25, 2011

Utah

Site ID: 49-045-0003

AQCR: WASATCH FRONT

Latitude: +40.543371

County: Tooele

Urban Area: NOT IN AN URBAN AREA

Longitude: -112.298814

City: Tooele

Location Setting: URBAN AND CENTER CITY

UTM Zone: 12

Support Agency: 1113

Land Use: COMMERCIAL

Utm Northing: 4488683

Address: 434 NORTH 50 WEST, TOOELE, UTAH

Utm Easting: 390013

Vertical Meas: 1,511.0

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	
44201-Ozone		1	1113										8-HR RUN AVG	0	Parts per million			
													BEGIN HOUR					
2009	0	90	3470	0	0	.033	10	25	50	75	90	95	98	99	1	2	.0525	
						.043	.046	.053	.057	.064	.067	.070	.072		.075	.072		
88101-PM2.5 - Local Conditions		1	1113		R & P Model 2000 Gravimetric							2	24 HOUR	0	Micrograms/cubic meter (LC)			
							PM-2.5 Air Sampler w/VSCC											
2009	0	89	109	1	1	1.5	10	25	50	75	90	95	98	99	1	2	7.29	
						2.6	3.7	5.4	7.4	13.0	20.7	26.1	33.3		67.0	33.3		

FREQUENCY DISTRIBUTION REPORT

Aug. 25, 2011

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: 1113	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		1113		INSTRUMENTAL		CHEMILUMINESCENCE							1	1 HOUR	0	Parts per billion		
2009	0	40	3495			.0	10	25	50	75	90	95	98	99		1	2	4.45		
							1.0	1.0	3.0	6.0	11.0	14.0	17.0	20.0		34.0	31.0			
44201-Ozone		1		1113												8-HR RUN AVG BEGIN HOUR	0	Parts per million		
2009	0	40	3549	0	0	.027	10	25	50	75	90	95	98	99		1	2	.0482		
							.047	.048	.051	.056	.064	.067	.069	.072		.072	.069			

FREQUENCY DISTRIBUTION REPORT

Aug. 25, 2011

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: 1113	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		1113		INSTRUMENTAL CHEMILUMINESCENCE										1	1 HOUR	0	Parts per billion				
2009	0	40	3463			.0	10	25	50	75	90	95	98	99		1	2	4.46					
						.0	1.0	2.0	5.0	13.0	19.0	25.0	28.0		46.0	45.0							
44201-Ozone		1		1113													8-HR RUN AVG BEGIN HOUR	0	Parts per million				
2009	0	60	3513	1	1	.023	10	25	50	75	90	95	98	99		1	2	.0462					
						.037	.042	.048	.052	.057	.064	.068	.069		.101	.069							

FREQUENCY DISTRIBUTION REPORT

Aug. 25, 2011

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: 12
 Utm Northing: 4455894
 Utm Easting: 443606
 Vertical Meas: 1,402.0

Site Comments:

Year	Exc Evt	POC		PQAO		Min Obs	Method of Collection and Analysis								MDL	Duration	EDT	Unit Desc					
		%Obs	#Obs	#Pri	#Sec		Percentages											Maximum Values	Arith Mean				
42101-Carbon monoxide																			8-HR RUN AVG	0	Parts per million		
2009 0 99 8696 0 0 .3 10 25 50 75 90 95 98 99																			END HOUR	1	2	.47	
																			.3 .3 .3 .5 .9 1.2 1.5 1.6	2.7	2.5		
42602-Nitrogen dioxide (NO2)																			1	1 HOUR	0	Parts per billion	
2009 0 96 8448 .0 10 25 50 75 90 95 98 99																				1	2	17.96	
																			4.0 7.0 14.0 27.0 38.0 43.0 48.0 51.0	69.0	62.0		
44201-Ozone																			8-HR RUN AVG	0	Parts per million		
2009 0 99 8724 0 0 .006 10 25 50 75 90 95 98 99																			BEGIN HOUR	1	2	.0522	
																			.048 .050 .053 .059 .062 .064 .068 .069	.070	.069		
81102-PM10 Total 10um STP																			4	24 HOUR	0	Micrograms/cubic meter (25 C)	
2009 0 89 108 0 0 2 10 25 50 75 90 95 98 99																				1	2	24.4	
																			10 14 22 29 42 50 75 80	108	80		
81102-PM10 Total 10um STP																			4	24 HOUR	0	Micrograms/cubic meter (25 C)	
2009 0 79 48 0 0 6 10 25 50 75 90 95 98 99																				1	2	24.9	
																			11 14 22 32 46 54 75 75	75	56		

FREQUENCY DISTRIBUTION REPORT

Aug. 25, 2011

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: 12
 Utm Northing: 4455894
 Utm Easting: 443606
 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	Percentages											Maximum Values	Arith Mean
						Min Obs												
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)	
2009		0	97	354	11	11	1.3	10	25	50	75	90	95	98	99	1	2	9.94
						R & P Model 2000 PM-2.5 Air Sampler w/VSCC								2				
						3.8 4.9 7.0 9.8 20.4 27.7 42.2 57.1											78.2	72.8

FREQUENCY DISTRIBUTION REPORT

Aug. 25, 2011

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: 12
 Utm Northing: 4465688
 Utm Easting: 439398
 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	Percentages													Maximum Values	Arith Mean	
						Min Obs															
81102-PM10 Total	0-	2			1113	R - P Co Partisol	Gravimetric										4	24 HOUR	1	Micrograms/cubic meter	
						Model 2025														(25 C)	
						R&P Model 2000	GRAVIMETRIC										4				
						Partisol															
2009	0	99	358	0	0	2	10	25	50	75	90	95	98	99		1	2	25.9			
						11	14	21	30	46	59	83	108		133	126					
81102-PM10 Total	0-	2			1113	R&P Model 2000	GRAVIMETRIC										4	24 HOUR	2	Micrograms/cubic meter	
						Partisol														(25 C)	
						R - P Co Partisol	Gravimetric										4				
						Model 2025															
2009	2	99	360	2	2	2	10	25	50	75	90	95	98	99		1	2	26.7			
						11	15	22	31	48	66	99	126		200	162					
81102-PM10 Total	0-	2			1113	R - P Co Partisol	Gravimetric										4	24 HOUR	5	Micrograms/cubic meter	
						Model 2025														(25 C)	
						R&P Model 2000	GRAVIMETRIC										4				
						Partisol															
2009	2	99	360	2	2	2	10	25	50	75	90	95	98	99		1	2	26.7			
						11	15	22	31	48	66	99	126		200	162					
88101-PM2.5 - Local	1				1113	R & P Model 2025	Gravimetric										2	24 HOUR	0	Micrograms/cubic meter	
						PM-2.5 Sequential														(LC)	
						Air Sampler															
						w/VSCC															
2009	0	94	342	14	14	1.7	10	25	50	75	90	95	98	99		1	2	10.59			
						3.5	4.8	6.7	10.1	23.2	33.9	49.3	63.9		80.4	75.6					

FREQUENCY DISTRIBUTION REPORT

Aug. 25, 2011

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: 12
 Utm Northing: 4465688
 Utm Easting: 439398
 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	2			1113					R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC	Gravimetric	2	24 HOUR	0	Micrograms/cubic meter (LC)					
2009	0	89	55	3	3	2.5	10	25	50	75	90	95	98	99	1	2	10.75		
						3.7	5.1	7.7	9.6	26.4	36.0	46.7	63.5		63.5	46.7			

FREQUENCY DISTRIBUTION REPORT

Aug. 25, 2011

Utah

Site ID: 49-049-5008
 County: Utah
 City: Not in a city
 Support Agency: 1113
 Address: 10865 N. 6000 WEST, HIGHLAND, UTAH

AQCR: WASATCH FRONT
 Urban Area: PROVO-OREM, UT
 Location Setting: RURAL
 Land Use: AGRICULTURAL

Latitude: +40.430278
 Longitude: -111.803889
 UTM Zone: 12
 Utm Northing: 4475602
 Utm Easting: 431803
 Vertical Meas: 1,485.0

Site Comments: PART OF 1994 OZONE NETWORK:

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														8-HR RUN AVG	0	Parts per million					
																	BEGIN HOUR							
2009	0	98	4059	0	0	.028	10	25	50	75	90	95	98	99				1	2	.0523				
																			.071	.070				
88101-PM2.5 - Local Conditions			1														R & P Model 2025		Gravimetric	2	24 HOUR	0	Micrograms/cubic meter (LC)	
																	PM-2.5 Sequential							
																	Air Sampler							
																	w/VSCC							
2009	0	94	115	2	2	1.2	10	25	50	75	90	95	98	99				1	2	8.22				
																			58.1	52.8				

FREQUENCY DISTRIBUTION REPORT

Aug. 25, 2011

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: PROVO-OREM, UT
 Location Setting: SUBURBAN
 Land Use: INDUSTRIAL

Latitude: +40.136389
 Longitude: -111.659722
 UTM Zone: 12
 Utm Northing: 4442904
 Utm Easting: 443807
 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 BEGIN HOUR	0		Parts per million							
2009	0	99	3841	1	1	.035	10	25	50	75	90	95	98	99	1	2	.0553
						.047	.051	.055	.061	.066	.068	.069	.074		.076	.074	
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)		
2009	0	95	116	4	4	1.5	10	25	50	75	90	95	98	99	1	2	9.38
						3.5	4.6	6.4	8.6	17.8	30.7	43.6	59.2		77.3	59.2	

FREQUENCY DISTRIBUTION REPORT

Aug. 25, 2011

Utah

Site ID: 49-053-0006	AQCR: FOUR CORNERS	Latitude: +37.129000
County: Washington	Urban Area: NOT IN AN URBAN AREA	Longitude: -113.637000
City: Not in a city	Location Setting: RURAL	UTM Zone:
Support Agency: 1113	Land Use: RESIDENTIAL	Utm Northing:
Address: 1215 NORTH LAVA FLOW DRIVE, SANTA CLARA, UTAH		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	
2009	0	49	4331				.0	10	25	50	75	90	95	98	99		1	2	3.22						
								1.0	1.0	2.0	4.0	7.0	10.0	13.0	16.0		25.0	23.0							
44201-Ozone	1			1113											8-HR RUN AVG	0		Parts per million							
2009	0	99	4040	0	0		.038	10	25	50	75	90	95	98	99		1	2	.0531						
								.048	.051	.054	.058	.061	.064	.066	.068		.074	.068							

FREQUENCY DISTRIBUTION REPORT

Aug. 25, 2011

Utah

Site ID: 49-057-0002	AQCR: WASATCH FRONT	Latitude: +41.206389
County: Weber	Urban Area: OGDEN, UT	Longitude: -111.974722
City: Ogden	Location Setting: URBAN AND CENTER CITY	UTM Zone: 12
Support Agency: 1113	Land Use: RESIDENTIAL	Utm Northing: 4561914
Address: 228 32ND STREET, OGDEN, UTAH		Utm Easting: 418278
		Vertical Meas: 1,316.0

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

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 Mean
		42101-Carbon monoxide	1		1113											8-HR RUN AVG END HOUR	0	Parts per million		
2009	0	96	8385	0	0	.3	10	25	50	75	90	95	98	99		1	2	.49		
						.3	.3	.3	.6	.9	1.2	1.4	1.5			2.5	2.5			
		42602-Nitrogen dioxide (NO2)	1		1113										1	1 HOUR	0	Parts per billion		
2009	0	93	8154			1.0	10	25	50	75	90	95	98	99		1	2	21.80		
						5.0	8.0	19.0	34.0	43.0	48.0	53.0	56.0			102.0	75.0			
		44201-Ozone	1		1113											8-HR RUN AVG BEGIN HOUR	0	Parts per million		
2009	0	97	8553	0	0	.002	10	25	50	75	90	95	98	99		1	2	.0526		
						.047	.049	.054	.059	.065	.068	.069	.072			.073	.072			
		81102-PM10 Total 10um STP	0-	1	1113										4	24 HOUR	1	Micrograms/cubic meter (25 C)		
2009	0	98	358	0	0	2	10	25	50	75	90	95	98	99		1	2	25.3		
						10	15	22	31	43	52	72	94			103	100			
		81102-PM10 Total 10um STP	0-	1	1113										4	24 HOUR	2	Micrograms/cubic meter (25 C)		
2009	1	98	359	1	1	2	10	25	50	75	90	95	98	99		1	2	25.7		
						10	15	22	31	44	53	78	100			181	103			
		81102-PM10 Total 10um STP	0-	1	1113										4	24 HOUR	5	Micrograms/cubic meter (25 C)		
2009	1	98	359	1	1	2	10	25	50	75	90	95	98	99		1	2	25.7		
						10	15	22	31	44	53	78	100			181	103			

FREQUENCY DISTRIBUTION REPORT

Aug. 25, 2011

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: +41.206389
 Longitude: -111.974722
 UTM Zone: 12
 Utm Northing: 4561914
 Utm Easting: 418278
 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	1	Micrograms/cubic meter (LC)		
2009	0	94	342	9	9	1.2	10	25	50	75	90	95	98	99	1	2	10.12
							3.7	4.9	7.4	10.8	20.7	27.7	37.4	42.2		56.4	48.7
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)		
2009	1	94	343	10	10	1.2	10	25	50	75	90	95	98	99	1	2	10.24
							3.7	5.0	7.4	10.9	20.8	29.4	39.1	45.6		56.4	52.0
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)		
2009	0	94	342	9	9	1.2	10	25	50	75	90	95	98	99	1	2	10.12
							3.7	4.9	7.4	10.8	20.7	27.7	37.4	42.2		56.4	48.7

FREQUENCY DISTRIBUTION REPORT

Aug. 25, 2011

Utah

Site ID: 49-057-0006

AQCR: WASATCH FRONT

Latitude: +41.219722

County: Weber

Urban Area: OGDEN, UT

Longitude: -111.969444

City: Ogden

Location Setting: URBAN AND CENTER CITY

UTM Zone: 12

Support Agency: 1113

Land Use: COMMERCIAL

Utm Northing: 4563387

Address: 2540 S. WASHINGTON BLVD., OGDEN, UTAH

Utm Easting: 418734

Vertical Meas: 1,314.0

Site Comments: MICROSCALE CO SITE TO REPLACE OLD WASHINGTON BLVD CO SITE:

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		
2009	0	99	8653	0	0	.3	10	25	50	75	90	95	98	99		1	2	.58	
							.3	.3	.4	.7	1.1	1.4	1.7	1.9		6.0	2.9		

FREQUENCY DISTRIBUTION REPORT

Aug. 25, 2011

Utah

Site ID: 49-057-1003
 County: Weber
 City: Not in a city
 Support Agency: 1113
 Address: 425 W 2550 NORTH, OGDEN, UTAH

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

Latitude: +41.303683
 Longitude: -111.987067
 UTM Zone: 12
 Utm Northing: 4572719
 Utm Easting: 417376
 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
44201-Ozone			1														8-HR RUN AVG	0	Parts per million			
																	BEGIN HOUR					
2009	0	97	4154	1	1	.035	10	25	50	75	90	95	98	99				1	2	.0547		
																			.079	.074		
88101-PM2.5 - Local Conditions			1						R & P Model 2000	Gravimetric							24 HOUR	0	Micrograms/cubic meter (LC)			
									PM-2.5 Air Sampler w/VSCC													
2009	0	97	118	3	3	1.2	10	25	50	75	90	95	98	99				1	2	8.90		
																			51.2	41.1		