

User ID: HPI

FREQUENCY DISTRIBUTION REPORT

Report Request ID: 1205190

Report Code: AMP230

Apr. 28, 2014

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
	49			88101							

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
CRITERIA			

SELECTED OPTIONS

Option Type	Option Value
EVENTS PROCESSING	REPORT ALL EVENT RECORDS
SUMMARY CRITERIA	INCLUDE ALL DATA
MERGE PDF FILES	YES
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
2013	2013

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

FREQUENCY DISTRIBUTION REPORT

Apr. 28, 2014

EXCEPTIONAL DATA TYPES

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

FREQUENCY DISTRIBUTION REPORT

Apr. 28, 2014

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		
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)		
2013	0	92	112	5	5	.5	10	25	50	75	90	95	98	99		1	2	9.96
							2.7	3.6	5.5	10.1	28.6	34.3	48.9	53.5		56.6	53.5	

FREQUENCY DISTRIBUTION REPORT

Apr. 28, 2014

Utah

Site ID: 49-005-0004	AQCR: UTAH	Latitude: +41.731111
County: Cache	Urban Area: LOGAN, UT	Longitude: -111.837500
City: Logan	Location Setting: URBAN AND CENTER CITY	UTM Zone:
Support Agency: 1113	Land Use: COMMERCIAL	Utm Northing:
Address: 125 W. CENTER STREET, LOGAN, UT		Utm Easting:
		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
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)		
2013	0	97	355	39	39	.0	10	25	50	75	90	95	98	99	1	2	12.96
						3.0	4.4	6.4	12.0	36.2	48.5	68.0	86.2		97.4	93.6	
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)		
2013	0	94	29	3	3	2.4	10	25	50	75	90	95	98	99	1	2	10.78
						3.2	4.6	6.1	10.2	43.3	48.6	54.1	54.1		54.1	48.6	

FREQUENCY DISTRIBUTION REPORT

Apr. 28, 2014

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: 12  
 Utm Northing: 4528150.36  
 Utm Easting: 425503.56  
 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	0	Micrograms/cubic meter (LC)	
2013	0	92	113	9	9	.0	10	25	50	75	90	95	98	99		1	2	9.75
							2.6	4.1	5.5	9.6	22.4	38.6	45.1	45.6		51.2	45.6	

FREQUENCY DISTRIBUTION REPORT

Apr. 28, 2014

Utah

Site ID: 49-035-1001	AQCR: WASATCH FRONT	Latitude: +40.708611
County: Salt Lake	Urban Area: SALT LAKE CITY, UT	Longitude: -112.094722
City: Magna	Location Setting: SUBURBAN	UTM Zone:
Support Agency: 1113	Land Use: RESIDENTIAL	Utm Northing:
Address: 2935 SOUTH 8560 WEST MAGNA, UTAH		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	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)	
2013	0	95	116	8	8	.0	10	25	50	75	90	95	98	99		1	2	9.37
							2.6	3.7	5.6	8.8	26.9	36.9	39.7	40.3		46.2	40.3	

FREQUENCY DISTRIBUTION REPORT

Apr. 28, 2014

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)	
2013	0	92	334	35	35	.4	10	25	50	75	90	95	98	99		1	2	11.95
							3.0	4.0	5.8	11.7	37.1	50.8	58.8	61.3		69.2	63.4	

FREQUENCY DISTRIBUTION REPORT

Apr. 28, 2014

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		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	1	Micrograms/cubic meter (LC)			
2013	0	91	331	25	25	.0	10	25	50	75	90	95	98	99		1	2	11.30
						2.9	4.4	6.3	11.3	31.3	42.7	50.7	54.8		56.3	55.7		
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)			
2013	1	91	332	26	26	.0	10	25	50	75	90	95	98	99		1	2	11.40
						2.9	4.4	6.4	11.3	31.8	42.9	50.7	54.8		56.3	55.7		
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)			
2013	1	91	332	26	26	.0	10	25	50	75	90	95	98	99		1	2	11.40
						2.9	4.4	6.4	11.3	31.8	42.9	50.7	54.8		56.3	55.7		
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)			
2013	0	94	29	2	2	2.4	10	25	50	75	90	95	98	99		1	2	11.10
						3.4	4.8	5.6	9.5	33.1	50.9	51.2	51.2		51.2	50.9		



FREQUENCY DISTRIBUTION REPORT

Apr. 28, 2014

Utah

Site ID: 49-045-0003

AQCR: WASATCH FRONT

Latitude: +40.543309

County: Tooele

Urban Area: NOT IN AN URBAN AREA

Longitude: -112.299618

City: Tooele

Location Setting: URBAN AND CENTER CITY

UTM Zone:

Support Agency: 1113

Land Use: COMMERCIAL

Utm Northing:

Address: 434 NORTH 50 WEST, TOOELE, UTAH

Utm Easting:

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		
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)	
2013	0	89	109	3	3	1.2	10	25	50	75	90	95	98	99		1	2	7.22	
							2.1	3.3	4.8	7.1	15.2	28.1	42.9	43.9		46.0	43.9		

FREQUENCY DISTRIBUTION REPORT

Apr. 28, 2014

Utah

Site ID: 49-047-5632	AQCR: UTAH	Latitude: +39.868622
County: Uintah	Urban Area: NOT IN AN URBAN AREA	Longitude: -109.097302
City: Not in a city	Location Setting: RURAL	UTM Zone:
Support Agency: 1387	Land Use: DESERT	Utm Northing:
Address: Accessed from Dragon Road/145-S, Uintah Co, UT		Utm Easting:
		Vertical Meas: 1,878.87

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			1387					BGI Model PQ200 PM2.5 Sampler w/WINS	GRAVIMETRIC		2	24 HOUR	0			Micrograms/cubic meter (LC)							
2013	0	49	31	0	0	.7	10	25	50	75	90	95	98	99			1	2	3.33					
							1.7	2.5	3.3	4.3	5.4	6.0	6.3	6.3			6.3	6.0						
88101-PM2.5 - Local Conditions	3			1387					Met One BAM-1020 Mass Monitor w/VSCC	Beta Attenuation		2	1 HOUR	0			Micrograms/cubic meter (LC)							
2013	0	46	4033			-2.0	10	25	50	75	90	95	98	99			1	2	5.98					
							2.0	3.0	5.0	7.0	11.0	14.0	20.0	27.0			218.0	149.0						
88101-PM2.5 - Local Conditions	3			1387										24-HR BLK AVG	0		Micrograms/cubic meter (LC)							
2013	0	46	167	0	0	1.4	10	25	50	75	90	95	98	99			1	2	5.95					
							2.8	3.6	4.7	6.6	10.8	14.4	18.0	22.7			33.8	22.7						

FREQUENCY DISTRIBUTION REPORT

Apr. 28, 2014

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		1		1113				R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						Gravimetric	2	24 HOUR	0	Micrograms/cubic meter (LC)	
2013	0	96	349	27	27	.2	10	25	50	75	90	95	98	99		1	2	11.56	
							3.1	4.3	5.7	8.8	24.5	48.5	81.8	97.5		124.5	119.2		

FREQUENCY DISTRIBUTION REPORT

Apr. 28, 2014

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	0	Micrograms/cubic meter (LC)			
2013	0	97	353	33	33	.0	10	25	50	75	90	95	98	99		1	2	12.32
								2.9	4.2	5.8	9.5	27.5	53.9	72.4	93.3		123.3	114.0
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)			
2013	0	90	29	3	3	.0	10	25	50	75	90	95	98	99		1	2	12.08
								4.3	5.4	7.7	10.6	44.8	44.9	52.5	52.5		52.5	44.9

FREQUENCY DISTRIBUTION REPORT

Apr. 28, 2014

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		1			1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						Gravimetric	2	24 HOUR	0	Micrograms/cubic meter (LC)	
2013	0	96	117	10	10	.0	10	25	50	75	90	95	98	99		1	2	11.16
							2.6	3.6	4.7	7.8	30.6	52.5	82.2	84.6		125.9	84.6	

FREQUENCY DISTRIBUTION REPORT

Apr. 28, 2014

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
88101-PM2.5 - Local Conditions		1			0745		Met One BAM-1020 Mass Monitor w/VSCC							2	1 HOUR	0	Micrograms/cubic meter (LC)	
2013	0	47	4084			-7.7	10	25	50	75	90	95	98	99		1	2	5.18
							.6	2.5	4.7	7.4	10.1	11.8	14.2	18.4		53.5	49.5	
88101-PM2.5 - Local Conditions		1			0745		24-HR BLK AVG								24-HR BLK AVG	0	Micrograms/cubic meter (LC)	
2013	0	45	165	0	0	1.5	10	25	50	75	90	95	98	99		1	2	5.09
							2.5	3.0	4.2	6.4	9.1	10.2	11.6	17.2		19.3	17.2	

FREQUENCY DISTRIBUTION REPORT

Apr. 28, 2014

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		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC							2	24 HOUR	1	Micrograms/cubic meter (LC)			
2013	0	91	332	21	21	.0	10	25	50	75	90	95	98	99		1	2	10.66	
								3.2	4.7	6.6	10.3	26.4	37.4	46.7	51.9		67.2	66.2	
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)			
2013	1	91	333	22	22	.0	10	25	50	75	90	95	98	99		1	2	10.81	
								3.2	4.8	6.7	10.3	27.0	38.2	49.4	63.0		67.2	66.2	
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)			
2013	1	91	333	22	22	.0	10	25	50	75	90	95	98	99		1	2	10.81	
								3.2	4.8	6.7	10.3	27.0	38.2	49.4	63.0		67.2	66.2	

FREQUENCY DISTRIBUTION REPORT

Apr. 28, 2014

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
88101-PM2.5 - Local Conditions		1			1113		R & P Model 2000 PM-2.5 Air Sampler w/VSCC							2	24 HOUR	0	Micrograms/cubic meter (LC)	
							R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC							2				
2013	0	85	104	6	6	1.2	10	25	50	75	90	95	98	99		1	2	10.63
							2.9	4.1	5.9	9.8	29.2	42.0	44.6	45.8		61.9	45.8	