#### April 21, 2024

Reference: Wasserhund Inc Brine Well BW-04

UI M-sec 31-Ts 16s-R 35e

Title: Groundwater Monitor Well Install, Sample Event and Lab Analytical Results

This document contains the following elements:

- 1. Wasserhund Inc -L-15591 MW OSE approv.pdf
- 2. MW BW-04 install field report and sample.pdf
- 3. BW-04 MW OSE record.pdf
- 4. MW#1 Log copy.pdf
- 5. BW-04 Sub MW Plat copy.pdf
- 6. Photo MW-1.pdf
- 7. Lab Analytical Results

Mike A. Hamman, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

# STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr: 752237 File Nbr: L 15591

Oct. 19, 2023

WAYNE PRICE-PRICE LLC WASSERHUND INC 7 SCYAMORE LN GLENDWOOD, NM 88039

#### Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

- \* If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- \* If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- \* The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- \* This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

Azucena Ramirez (575)622-6521

Enclosure

explore

## **NEW MEXICO OFFICE OF THE STATE ENGINEER**



# WR-07 APPLICATION FOR PERMIT TO DRILL A WELL WITH NO WATER RIGHT



(check applicable box):

	Fo	r fees, see State Engineer wet	osite: http://www.os	e.state.nm.us/	
Purpose:		Pollution Control And/Or Recovery		Ground Source	ce Heat Pump
☐ Exploratory Well*(Pump test)		Construction Site/Public Works Dewatering		Other(Describ	pe):
Monitoring Well		Mine Dewatering			
A separate permit will be required to appl *New Mexico Environment Department-D	-				well is used for public water supply.
■ Temporary Request - Requeste	d Star	t Date: Oct 15, 2023		Requested End	Date: Nov 15, 2023
Plugging Plan of Operations Subm	itted?	☐ Yes ■ No			
h					
1. APPLICANT(S)				05	E 011 OCT 132(23 PK) 20
Name: Wasserhund Inc			Name:		
Contact or Agent:	checi	k here if Agent	Contact or Age	nt:	check here if Agent
Wayne Price-Price LLC					
Mailing Address: 7 scyamore Ln			Mailing Addres	s:	
City: Glenwood NM			City:		
State: NM	Zip Co	de: 88039	State:		Zip Code:
Phone: 505-715-2809 Phone (Work):		Home E Cell	Phone: Phone (Work):		☐ Home ☐ Cell
E-mail (optional): waynepriceq.com@Gmail.com			E-mail (optiona	l):	
	File	ns Description (optional):	Application for F	Permit, Form WR-0	Receipt No.: 2 - 46282
	1	ns Description (optional):	10V	DOMIN OF THE	non 10/18/24

Location Required: Coordin (Lat/Long - WGS84).	ate location must be	reported in NM S	State Plane (NAD 83), UTM (NAD 83), <u>or</u> Latitude/Longitude
	rict VII (Cimarron) c	ustomers, provide	a PLSS location in addition to above.
NM State Plane (NAD83)  NM West Zone  NM East Zone  NM Central Zone		JTM (NAD83) (Met Zone 12N Zone 13N	ers)
Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves, Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
L-15591 RODL MW#1	N 32-52'-23.16"	W -103-30'-18.34'	UL M-Sec 31-Ts16S-R35E
			JGE DTF GOT 1,3 2023 PM, 120
			to the same and the same of th
NOTE: If more well locations Additional well descriptions			WR-08 (Attachment 1 – POD Descriptions)  If yes, how many
Other description relating well			
Proposed 4" Monitor Well locate	ed at the Wasserhund	Inc OCD permit B	W-04 Brine Well; 5 mles north of Bucleye NM ST HWY 238.
Well is on land owned by:	NM State Land		
Well Information: NOTE: If m	ore than one (1) we	Il needs to be des	cribed, provide attachment. Attached?
Approximate depth of well (fee	et): 90 feet		Outside diameter of well casing (inches): 4" Sch 40 threaded PVC
Driller Name:Coffey Drilling Ho	obbs NM	. (	Oriller License Number: 1839
3. ADDITIONAL STATEMENTS			
Buckeye NM. Water foramtion i slotted sreen with 10 feet to be i	is the Ogallala format in water and 5 feet ab . This MW will be use	ion with top of water ove water level. V	or well (MW) to be located 30 ft SE of the BW-04 brine well near or approximately 70 ft BGS. The agency is requiring 15 ft of .20" Vell will be constructed, installed and developed pursuant to the ganic constitieunts, primarily Sodium Chloride (I.e salt water brine)
If contamination occurs, Wasser	hund may request a	consumptive usage	e for groundwater clean-up.
Attached is a well bore diagram	for reference.		
This MW will be used until the be pursuant to NMOSE requiremen	rine well site is closed at at the time of closur	d, estimated to be a e.	approximately 20 years more or less. P&A at that time will be

File Nn : L-15591 Tm Nn : 752237

Application for Permit, Form WR-07 Version 07/12/22

FOR OSE INTERNAL USE

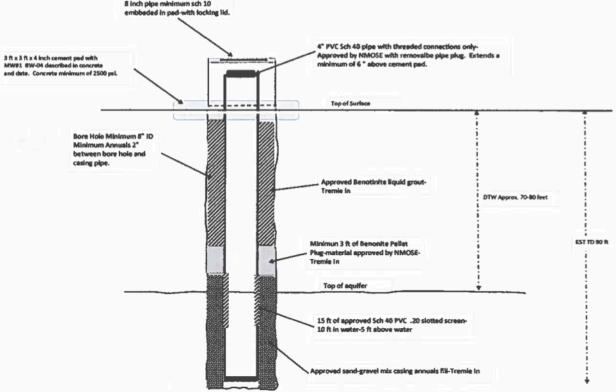
boxes, to indicate the information has been included and/or attached to this application:

Exploratory: Is proposed	Pollution Control and/or Recovery:  Include a plan for pollution	Construction De-Watering:	Mine De-Watering: ☐ Include a plan for pollution					
well a future	control/recovery, that includes the	Include a description of the	control/recovery, that includes the following:					
public water	following:	proposed dewatering	A description of the need for mine					
supply well?	A description of the need for the	operation,	dewatering					
	pollution control or recovery operation.  The estimated maximum period of	The estimated duration of the operation,	The estimated maximum period of time for completion of the operation.					
Yes NO	time for completion of the operation.	The maximum amount of	The source(s) of the water to be diverted.					
If Yes, an application must	☐ The annual diversion amount.	water to be diverted,	The geohydrologic characteristics of the					
be filed with	☐ The annual consumptive use	A description of the need	aquifer(s)					
NMED-DWB,	amount.  The maximum amount of water to be	for the dewatering operation, and.	The maximum amount of water to be diverted per annum.					
concurrently.	diverted and injected for the duration of	A description of how the	☐The maximum amount of water to be					
Include a	the operation.	diverted water will be disposed	diverted for the duration of the operation.					
description of the requested	The method and place of discharge.	of.	☐The quality of the water.					
pump test if	The method of measurement of water produced and discharged.	Ground Source Heat Pump:	The method of measurement of water diverted.					
applicable.	The source of water to be injected.	Include a description of the geothermal heat exchange	The recharge of water to the aquifer.					
	The method of measurement of	project,	Description of the estimated area of					
Monitoring	water injected.	☐ The number of boreholes	hydrologic effect of the project.					
The reason	The characteristics of the aquifer.  The method of determining the	for the completed project and	The method and place of discharge.					
and duration	resulting annual consumptive use of	required depths.  The time frame for	An estimation of the effects on surface water rights and underground water rights					
of the	water and depletion from any related	constructing the geothermal	from the mine dewatering project.					
monitoring is required.	stream system.	heat exchange project, and,	☐A description of the methods employed to					
required.	Proof of any permit required from the	The duration of the project.	estimate effects on surface water rights and					
	New Mexico Environment Department.  An access agreement if the	Preliminary surveys, design data, and additional	underground water rights.  Information on existing wells, rivers,					
	applicant is not the owner of the land on	information shall be included to	springs, and wetlands within the area of					
1	which the pollution plume control or	provide all essential facts	hydrologic effect.					
	recovery well is to be located.	relating to the request.						
ACKNOWLEDGEMENT  OGE OFF GCT 13 2023 PM 1/202  I, We (name of applicant(s)), Wasserhund Inc. Jon Gandy-President								
		int Name(s)						
affirm that the fo	regoing statements are true to the best of (	my, our) knowledge and belief.						
	*							
	12-14							
Applicant 8 gnat	ure	Applicant Signature						
	ACTION	OF THE STATE ENGINEER						
	,							
	_/	This application is:	<b>-</b>					
	approved		denied					
	rimental to the public welfare and further su	bject to the attached conditions of	* *					
Witness my hand	d and seal this 19th day of 8	ctober 20 23.	for the State Engineer,					
Mike	A. Hamman, P.E.	State Engineer						
			$\bigcirc$ 11					
By: Signature	K.f arehl	Kashya	p' rarekh					
Title: Wate	r Resources Mair	oger I						
Print		7						
	FOR OS	E INTERNAL USE Applic	ation for Permit, Form WR-07 Version 07/12/22					
	File No.:	L-15591	Trn No.: 752237					

Wasserhund Inc Brine Well Proposed 4" Monitor Well located in UL M-Sec 34-TS16s-R35E
30 ft SE of Existing Brine Well. By Price LLC Oct 1, 2023.
Well shall be pursuant to NMOSE requirements.

8 Inch pipe minimum sch 10
embbeded in pad-with locking lid.

Correction: Sec 31 not 32



OSE OT/OCT 1.3 2023 PM1/20

# NEW MEXICO STATE ENGINEER OFFICE PERMIT TO EXPLORE

#### SPECIFIC CONDITIONS OF APPROVAL

- 17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- 17-1B Depth of the well shall not exceed the thickness of the Ogallala formation.
- 17-4 No water shall be appropriated and beneficially used under this permit.
- The well authorized by this permit shall be plugged completely 17-6 using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: <u>L 15591 POD1</u> File Number: <u>L 15591</u> Trn Number: <u>752237</u>

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#### NEW MEXICO STATE ENGINEER OFFICE PERMIT TO EXPLORE

#### SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record.

  The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
- 17-Q The State Engineer retains jurisdiction over this permit.
- 17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

Trn Desc: <u>L 15591 POD1</u> File Number: <u>L 15591</u>
Trn Number: 752237

page: 2

#### NEW MEXICO STATE ENGINEER OFFICE PERMIT TO EXPLORE

#### SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG The Point of Diversion L 15591 POD1 must be completed and the Well Log filed on or before 10/18/2024.

> ALL WELLS SHALL BE CONSTRUCTED TO PRECENT CONTAMINANTS FROM ENTERING THE HOLE FROM LAND SURFACE BE SEALING THE ANNULAR SPACE AROUND THE OUTERMOST CASING.

**ACTION OF STATE ENGINEER** Notice of Intention Rcvd: Date Rcvd. Corrected: Formal Application Rcvd: 10/13/2023 Pub. of Notice Ordered: Date Returned - Correction: Affidavit of Pub. Filed: This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously. Witness my hand and seal this 19 day of Oct A.D., 2023 Mike A. Hamman, P.E. , State Engineer

Trn Desc: L 15591 POD1 File Number: L 15591 Trn Number: 752237

page: 3

# GLENN'S WATER WELL SERVICE, INC.

8 South NM 206 PO Box 692 Tatum, NM 88267

Phone: 575-398-2424 Cell: 575-369-5145 Email: <u>travis.glenn@outlook.com</u> 12/18/23

Wayne,

I have outlined the process we used to drill the monitor well at the Wasserhund station.

12-6-23

Arrived at site, checked for hazards, rigged up and started drilling with a 9 7/8" roller cone bit using air to clean out hole. Drilled down to 70' without issue, then lost circulation in loose sand. We had to work bit up and down to keep cuttings blowing out of hole but couldn't clean out bore hole very well. Drilled down to 100' and pulled out of hole. Ran depth indicator in well and had fill at 70'. We ran the bit back in and cleaned well out, using air, back to 100'. Pulled out and ran the casing in the hole and was able to get 80' in hole before we hit fill again. The decision was made to use water and foam to better clean out the cuttings. We installed a conductor pipe with diverter and packing to seal between drill pipe and bore hole and cleaned well out to 100' again. Then we ran the casing back in well, finding fill at 95'. The 4.5" OD PVC casing had 30' of .020" slotted perforations on bottom. The top 65' was non-slotted. The entire string was flush threaded with a point on the bottom. Then we ran 90' of 2" steel tremie pipe in annulus and poured 48 bags of 10-20 Silica Sand gravel pack in well. It should have taken 26 bags to fill 30' of annulus, but the bore hole was enlarged from the loose sand encountered. The gravel filled up to 72' and then we poured 16 bags of 3/8" Baroid Hole Plug through the tremie, hydrating each bag with 3 gallons of water. We pulled the tremie pipe out of the annulus and covered the well to prevent contamination and left overnight.

#### 12/7/23

Arrived at site and ran 2.5" bailer in well, fill was at 94' and water level approximately 85'. We pulled 5 loads of water out of well, but valve on bailer wouldn't seal well after 2 loads so we didn't get more than 5 gallons out of well. We then ran the 2" tremie in annulus and found the Hole Plug at 64'. We mixed and pumped 9 bags of Baroid Quik-Grout down tremie to fill backside to surface and pulled tremie out. We then bailed 5 more loads out of well and rigged down. We moved the rig to Tatum and came back in 4 hours and found the grout had settled down about 20'. We mixed and pumped 2 more bags filling backside completely.

#### 12/9/23

Arrived at site with small service rig and ran bailer in well. Pulled 5 loads out of well, with fill at 94' and water level at 86.2'. Grout was 7' down from top, mixed and filled annulus with another bag. Cleaned up around borehole removed all trash.

This week, we will cement the top pad and add the steel conductor pipe with the locking lid. The PVC casing has a top plug in it now to prevent vandalism. We also will install the subsidence monitors when we get them. Please let me know if you have any questions.

S nmwrrs.ose.state.nm.us/nmw

△ Not Secure

# m.us/nmw x + nm.us/nmw x + nm.us/nmwrrs/ReportDispatcher?type=PODGHTML&name=PodGroundSummaryHTML.jrxml&basin=L&nbr=...\* New Mexico Office of the State Engineer Point of Diversion Summary

	(quarters are $1=NW 2=NE 3=SW 4=SE$ )

		(quarters are 1=NW 2=NE 3=SW 4=SE)	NW 2=N	JE 3=SW				
		(quarters are smallest to largest)	nallest to	o largest)		(NAD83 UTM in meters)		
Well Tag POI	POD Number	Q64 Q16 Q4 Sec Tws Rng	1 Sec	Tws	Rng	X		
NA L 1	L 15591 POD1	3 3 3 31 16S 35E	31	16S		639854 3638209 🌑		
Driller License: 1719	1719	Driller Company:	my:	GLI	ENN'S WATE	GLENN'S WATER WELL SERVICE		
Driller Name:	TRAVIS GLENN							
<b>Drill Start Date:</b> 12/06/2023	12/06/2023	Drill Finish Date:	ate:	17	12/07/2023	Plug Date:		
Log File Date:	01/18/2024	PCW Rcv Date:	::			Source:	Shallow	
Pump Type:		Pipe Discharge Size:	e Size:			Estimated Yield:		
Casing Size:	4.00	Depth Well:		10	100 feet	Depth Water:	86 feet	
Wat	Water Bearing Stratifications:		l qo	Bottom	Top Bottom Description			
			20	100	Sandstone/C	100 Sandstone/Gravel/Conglomerate		
	Casing Perforations:		l qol	Top Bottom				
			65	95				

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

POINT OF DIVERSION SUMMARY

4/19/24 7:58 AM

O



# WELL RECORD & LOG

# OFFICE OF THE STATE ENGINEER

#### www.ose.state.nm.us

NO	OSE POD NO L-15591	. (WELL NO.	)		WELL TAG ID NO.			OSE FILE NO(	S).			
OCATI	WELL OWNE Wasserhune							PHONE (OPTIO	ONAL)			
GENERAL AND WELL LOCATION	WELL OWNE	ER MAILING	ADDRESS					CITY		STATE		ZIP
D V			Di	GREES	MINUTES	SECONI	ns					
AL AN	WELL LOCATIO	N LAT	TITUDE	32	52	23.1		* ACCURACY	REQUIRED: ONE TENT	ΓΗ OF A SI	ECOND	
ER.	(FROM GP	S) LON	NGITUDE	-103	30	18.3	4 W	* DATUM REC	QUIRED: WGS 84			
1. GEN	DESCRIPTION		IG WELL LOCATION TO	STREET ADDR	ESS AND COMMON	LANDMA	RKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAI	LABLE	
	LICENSE NO WD-1		NAME OF LICENSED		Travis Glenn				NAME OF WELL DRI Glenn's W		MPANY l Service, Inc	
	DRILLING ST		DRILLING ENDED 12/7/2023	DEPTH OF COM	MPLETED WELL (FT	)		LE DEPTH (FT)	DEPTH WATER FIRS	ST ENCOU	NTERED (FT)	
	COMPLETED	WELL IS:	ARTESIAN	DRY HOLI	E SHALLOV	W (UNCON	IFINED)		STATIC WATER LEV	'EL IN CON 86.2'		LL (FT)
ION	DRILL DIG FI	THD.	✓ AIR	☐ MUD	✓ ADDITIVE	e eneci	IEV.		Drilling I	Foam		
IAT	DRILLING FI						_		Drining I	Vaiii		
OR	DRILLING M	ETHOD:	ROTARY	HAMMER	CABLE TO	OOL	OTHE	R – SPECIFY:				
CASING INFORMATION	DEPTH	(feet bgl)	BORE HOLE	CASING N	MATERIAL AND	/OR	CA	SING	CASING	CASIN	IG WALL	SLOT
	FROM	TO	DIAM	(include e	GRADE ach casing string, a	and	CONN	IECTION	INSIDE DIAM.		CKNESS	SIZE
	(inches)		note sections of screen)				YPE ing diameter)	(inches)	(ir	nches)	(inches)	
ચ	0 65 9.875"		4.5" OD PVC Sch 40			Flush Thread		4.0"		.25"	Blank	
NG	65	95	9.875"	4.5" OD PVC Sch 40			Flush	n Thread	4.0"		.25"	.020"
DRILLING												
7												
	DEPTH	(feet bgl)	BORE HOLE	LIS	T ANNULAR SE	AL MAT	ERIAL A	ND	AMOUNT		МЕТНОІ	O OF
IAL	FROM	то	DIAM. (inches)	GRAV	EL PACK SIZE-	RANGE	BY INTE	RVAL	(cubic feet)		PLACEM	ENT
ER	0	64	9.875"		Baroid Q	uik-Grou	ıt		12 bags-8.4 cu/1	ft	2" tremie	pipe
IAI	64	72	9.875"		Baroid Ho	oleplug 3/	8"		16 bags-11.2 cu/	'ft	2" tremie	pipe
ANNULAR MATERIAL	72	95	9.875"		10-20 Silica S	and grave	el pack		48 bags		2" tremie	pipe
UL.												
N												
3. A												
	OSE INITED								WELL BECORD			

FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. POD NO. TRN NO.

LOCATION WELL TAG ID NO. PAGE 1 OF 2

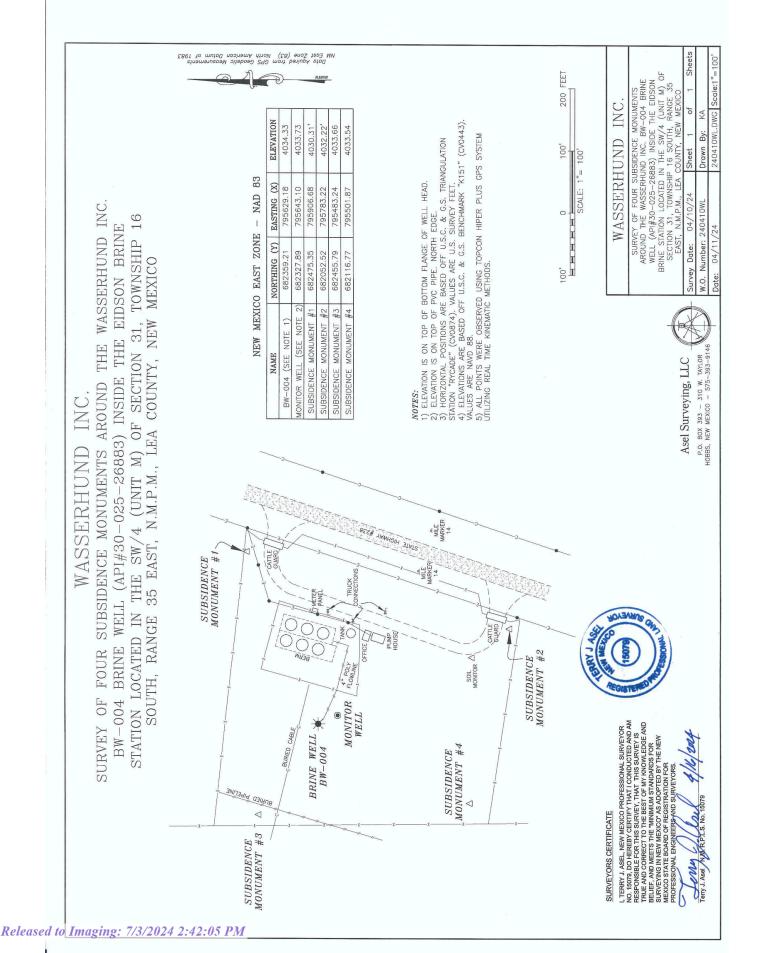
PAGE 2 OF 2

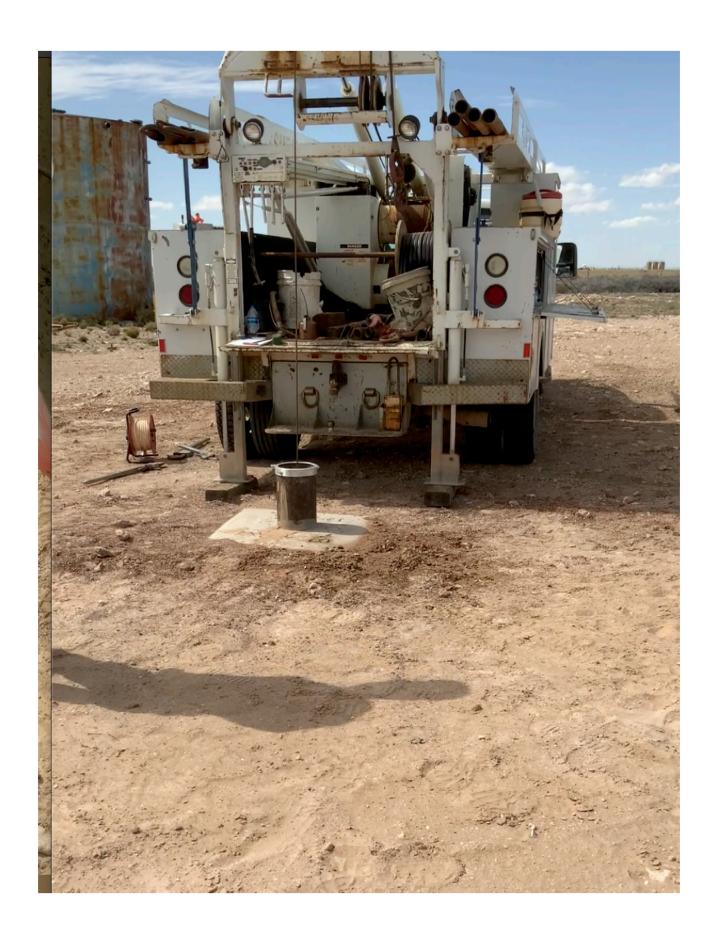
WELL TAG ID NO.

	DEPTH (fee	et bgl)		COLOR AN	D TYPE OF MATERIA	ENCOLINTE	PED	WATER	ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE WATE	ER-BEARING CAVITIE  oplemental sheets to full	S OR FRACTU	RE ZONES	WATER BEARING? (YES / NO)	YIELD FOR WATER- BEARING ZONES (gpm)
	0	2	2		Soil			Y VN	
	2	23	21		Caliche			Y VN	
	23	28	5		Sandrock (hard)			Y VN	
	28	50	22		Sandrock (soft)			Y VN	
	50	100	50		Water sand			✓ Y N	
ı								Y N	
VEL								Y N	
OF V								Y N	
OG,								Y N	
ICI								Y N	
507								Y N	
EO								Y N	
4. HYDROGEOLOGIC LOG OF WELL								Y N	
HXD								Y N	
4.								Y N	
								Y N	
								Y N	
								Y N	
								Y N	
								Y N	
								Y N	
	METHOD US	ED TO ES	TIMATE YIELD	OF WATER-BEARIN	G STRATA:		тот	AL ESTIMATED	
	PUMP	Al	R LIFT	BAILER O	THER - SPECIFY: Not d	etermined	WE	LL YIELD (gpm):	0.00
NO	WELL TEST				TA COLLECTED DURING DISCHARGE				
5. TEST; RIG SUPERVISION	MISCELLAN	EOUS INF	ope poi bag	en hole beyond 70', in int on bottom and 4 S gs of hole plug with v	with air, lost circulation njected water and foan S centralizers, fill at 9 water hydration follow anductor pipe cemented	to clean out s 5'. Poured 48 ed by 12 bags	sand from bore bags of gravel of grout. PVC	hole. Ran casing through 2" tremie	to 95' with a pipe, then 16
5. TEST	PRINT NAME	E(S) OF DE	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPER	VISION OF W	ELL CONSTRU	CTION OTHER TH	IAN LICENSEE:
SIGNATURE	RECORD OF	THE ABO	VE DESCRIBED	WELL. I ALSO CERT	F MY KNOWLEDGE A TFY THAT THE WELL HOLDER WITHIN 30 DA	TAG, IF REQU	JIRED, HAS BEI	EN INSTALLED AN	ND THAT THIS
6. SIGNA	S	igned	Original	sent to NMO	SE				
		SIGNATI	URE OF DRILLE	R / PRINT SIGNEE	NAME			DATE	
FOI	R OSE INTERN	AL USE				w	R-20 WELL RE	CORD & LOG (Ve	rsion 04/30/2019)
FIL	E NO.				POD NO.	TI	RN NO.		

Released to Imaging: 7/3/2024 2:42:05 PM

LOCATION





**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Lester Wayne Price Jr.
Wayne Price LLC
7 Sycamore Lane
Glenwood, New Mexico 88039

Generated 4/29/2024 3:21:58 PM

# **JOB DESCRIPTION**

**BW04 MW1** 

# **JOB NUMBER**

885-2017-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

# **Eurofins Albuquerque**

## **Job Notes**

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

# **Authorization**

Page 2 of 42

Generated 4/29/2024 3:21:58 PM

Authorized for release by Andy Freeman, Business Unit Manager andy.freeman@et.eurofinsus.com Designee for Tiffany Shaw, Project Manager I tiffany.shaw@et.eurofinsus.com (505)345-3975 4

5

7

8

11

12

Client: Wayne Price LLC Laboratory Job ID: 885-2017-1 Project/Site: BW04 MW1

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## **Definitions/Glossary**

Client: Wayne Price LLC

Project/Site: BW04 MW1

Job ID: 885-2017-1

**Qualifiers** 

GC Semi VOA

Qualifier Description

\*1 LCS/LCSD RPD exceeds control limits.

**Metals** 

Qualifier Qualifier Description

^6- Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, low biased.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

**General Chemistry** 

F1 MS and/or MSD recovery exceeds control limits.

HF Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Rad

Qualifier Qualifier Description

U Result is less than the sample detection limit.

**Glossary** 

Abbreviation These commonly used abbreviations may or may not be present in this report.

Eisted under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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#### **Case Narrative**

Client: Wayne Price LLC
Project: BW04 MW1

Job ID: 885-2017-1

Job ID: 885-2017-1 Eurofins Albuquerque

#### Job Narrative 885-2017-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to
  demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the
  method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed
  unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 3/29/2024 7:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

#### GC/MS VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC/MS Semi VOA

Method 8270C\_SIM: The continuing calibration verification (CCV) associated with batch 885-3961 recovered above the upper control limit for Atrazine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: MW1 (885-2017-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### PCBs

Method 8082A: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 885-2567 and analytical batch 885-2880 recovered outside control limits for the following analytes: PCB-1016. Samples will be reported as is.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Metals

Method 200.7 - Dissolved: The interference check standard solution (ICSA) associated with batch 885-2543 had results flagged for Mo and Si. But as per the SOP Mo and Si are within the range which is <2 times the PQL and >5 times the -PQL. TALS is only accounting for the <2 times the PQL. MRL for Mo is 0.0008 mg/L and the MRL for Si is 0.08mg/L. Hence there are no failures on the ICSA.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### **General Chemistry**

Method Kelada\_01: The matrix spike (MS) recoveries for analytical batch 860-154161 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### **Gas Flow Proportional Counter**

Method 903.0: Radium 226 prep batch 160-655144

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#### **Case Narrative**

Client: Wayne Price LLC

Job ID: 885-2017-1

Project: BW04 MW1

### Job ID: 885-2017-1 (Continued)

#### **Eurofins Albuquerque**

The barium carrier recovery is outside the upper control limit (110%) for the following sample: MW1 (885-2017-1). There was physical evidence of matrix interference apparent during the initial preparation of the sample. The QC samples associated with the batch have acceptable carrier recovery indicating the presence of matrix interference.

Method 903.0: Radium-226 prep batch 160-655144:

The Ba Carrier recovery is outside the upper control limit (110%) for the following sample: MW1 (885-2017-1) The LCS (laboratory control sample) has an acceptable spike recovery demonstrating acceptable sample preparation and instrument performance. The sample have been truncated to 100% to reduce any potential bias a high carrier recovery may have. The data have been qualified and reported.

Method 904.0: Radium 228 prep batch 160-655146

The barium carrier recovery is outside the upper control limit (110%) for the following sample: MW1 (885-2017-1). There was physical evidence of matrix interference apparent during the initial preparation of the sample. The QC samples associated with the batch have acceptable carrier recovery indicating the presence of matrix interference.

Method 904.0: Radium-228 prep batch 160-655146:

The Ba Carrier recovery is outside the upper control limit (110%) for the following sample: MW1 (885-2017-1) The LCS (laboratory control sample) has an acceptable spike recovery demonstrating acceptable sample preparation and instrument performance. The sample have been truncated to 100% to reduce any potential bias a high carrier recovery may have. The data have been qualified and reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Eurofins Albuquerque** 

4/29/2024

Client: Wayne Price LLC Job ID: 885-2017-1

Project/Site: BW04 MW1

**Client Sample ID: MW1** Lab Sample ID: 885-2017-1 Date Collected: 03/28/24 08:00

**Matrix: Water** 

Date Received: 03/29/24 07:55

Released to Imaging: 7/3/2024 2:42:05 PM

Analyte	Result Qualifier	RL	Unit	D Prepa	ared Analyzed	Dil Fa
1,1,1,2-Tetrachloroethane		1.0	ug/L		04/04/24 03:53	
1,1,1-Trichloroethane	ND	1.0	ug/L		04/04/24 03:53	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L		04/04/24 03:53	
1,1,2-Trichloroethane	ND	1.0	ug/L		04/04/24 03:53	
1,1-Dichloroethane	ND	1.0	ug/L		04/04/24 03:53	
1,1-Dichloroethene	ND	1.0	ug/L		04/04/24 03:53	
1,1-Dichloropropene	ND	1.0	ug/L		04/04/24 03:53	
1,2,3-Trichlorobenzene	ND	1.0	ug/L		04/04/24 03:53	
1,2,3-Trichloropropane	ND	2.0	ug/L		04/04/24 03:53	
1,2,4-Trichlorobenzene	ND	1.0	ug/L		04/04/24 03:53	
1,2,4-Trimethylbenzene	ND	1.0	ug/L		04/04/24 03:53	
1,2-Dibromo-3-Chloropropane	ND	2.0	ug/L		04/04/24 03:53	
1,2-Dibromoethane (EDB)	ND	1.0	ug/L		04/04/24 03:53	
1,2-Dichlorobenzene	ND	1.0	ug/L		04/04/24 03:53	
1,2-Dichloroethane (EDC)	ND	1.0	ug/L		04/04/24 03:53	
1,2-Dichloropropane	ND	1.0	ug/L		04/04/24 03:53	
1,3,5-Trimethylbenzene	ND	1.0	ug/L		04/04/24 03:53	
1,3-Dichlorobenzene	ND	1.0	ug/L		04/04/24 03:53	
1,3-Dichloropropane	ND	1.0	ug/L		04/04/24 03:53	
1,4-Dichlorobenzene	ND	1.0	ug/L		04/04/24 03:53	
1-Methylnaphthalene	ND	4.0	ug/L		04/04/24 03:53	
2,2-Dichloropropane	ND	2.0	ug/L		04/04/24 03:53	
2-Butanone	ND	10	ug/L		04/04/24 03:53	
2-Chlorotoluene	ND	1.0	ug/L		04/04/24 03:53	
2-Hexanone	ND	10	ug/L		04/04/24 03:53	
2-Methylnaphthalene	ND	4.0	ug/L		04/04/24 03:53	
4-Chlorotoluene	ND	1.0	ug/L		04/04/24 03:53	
1-Isopropyltoluene	ND	1.0	ug/L		04/04/24 03:53	
4-Methyl-2-pentanone	ND	10	ug/L		04/04/24 03:53	
Benzene	ND	1.0	ug/L		04/04/24 03:53	
Bromobenzene	ND	1.0	ug/L		04/04/24 03:53	
Bromodichloromethane	ND	1.0	ug/L ug/L		04/04/24 03:53	
Bromoform	ND	1.0	ug/L ug/L		04/04/24 03:53	
Bromomethane	ND	3.0	<del>.</del>		04/04/24 03:53	
Carbon disulfide	ND	10	ug/L ug/L		04/04/24 03:53	
Carbon tetrachloride	ND	1.0	_		04/04/24 03:53	
			ug/L			
Chlorobenzene Chloroethane	ND ND	1.0	ug/L		04/04/24 03:53	
	ND	2.0	ug/L		04/04/24 03:53	
Chloroform	ND	1.0	ug/L		04/04/24 03:53	
Chloromethane	ND	3.0	ug/L		04/04/24 03:53	
cis-1,2-Dichloroethene	ND	1.0	ug/L		04/04/24 03:53	
cis-1,3-Dichloropropene	ND	1.0	ug/L		04/04/24 03:53	
Dibromochloromethane	ND	1.0	ug/L		04/04/24 03:53	
Dibromomethane	ND	1.0	ug/L		04/04/24 03:53	
Dichlorodifluoromethane	ND	1.0	ug/L		04/04/24 03:53	
Ethylbenzene	ND	1.0	ug/L		04/04/24 03:53	
Hexachlorobutadiene 	ND	1.0	ug/L		04/04/24 03:53	
Isopropylbenzene Methylene Chloride	ND	1.0	ug/L ug/L		04/04/24 03:53 04/04/24 03:53	

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Job ID: 885-2017-1

Client: Wayne Price LLC Project/Site: BW04 MW1

**Client Sample ID: MW1** 

Lab Sample ID: 885-2017-1

Date Collected: 03/28/24 08:00 **Matrix: Water** Date Received: 03/29/24 07:55

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND ND	1.0	ug/L			04/04/24 03:53	1
Naphthalene	ND	2.0	ug/L			04/04/24 03:53	1
n-Butylbenzene	ND	3.0	ug/L			04/04/24 03:53	1
N-Propylbenzene	ND	1.0	ug/L			04/04/24 03:53	1
sec-Butylbenzene	ND	1.0	ug/L			04/04/24 03:53	1
Styrene	ND	1.0	ug/L			04/04/24 03:53	1
tert-Butylbenzene	ND	1.0	ug/L			04/04/24 03:53	1
Tetrachloroethene (PCE)	ND	1.0	ug/L			04/04/24 03:53	1
Toluene	ND	1.0	ug/L			04/04/24 03:53	1
trans-1,2-Dichloroethene	ND	1.0	ug/L			04/04/24 03:53	1
trans-1,3-Dichloropropene	ND	1.0	ug/L			04/04/24 03:53	1
Trichloroethene (TCE)	ND	1.0	ug/L			04/04/24 03:53	1
Trichlorofluoromethane	ND	1.0	ug/L			04/04/24 03:53	1
Vinyl chloride	ND	1.0	ug/L			04/04/24 03:53	1
Xylenes, Total	ND	1.5	ug/L			04/04/24 03:53	1
Surrogato	%Pocovory Qualifier	l imite			Propared	Analyzod	Dil Eac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		04/04/24 03:53	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		04/04/24 19:41	20
4-Bromofluorobenzene (Surr)	98		70 - 130		04/04/24 03:53	1
Dibromofluoromethane (Surr)	101		70 - 130		04/04/24 03:53	1
Dibromofluoromethane (Surr)	105		70 - 130		04/04/24 19:41	20
Toluene-d8 (Surr)	100		70 - 130		04/04/24 03:53	1

Method: SW846 8270C SIN	/I - Semivolatile	Organic C	compounds (GC	C/MS SIM)				
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.30	ug/L		04/01/24 12:47	04/26/24 01:36	1
2-Methylnaphthalene	ND		0.30	ug/L		04/01/24 12:47	04/26/24 01:36	1
Atrazine	ND		1.5	ug/L		04/01/24 12:47	04/26/24 01:36	1
Benzo[a]pyrene	ND		0.40	ug/L		04/01/24 12:47	04/26/24 01:36	1
Naphthalene	ND		0.30	ug/L		04/01/24 12:47	04/26/24 01:36	1
Pentachlorophenol	ND		0.30	ug/L		04/01/24 12:47	04/26/24 01:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		15 - 141			04/01/24 12:47	04/26/24 01:36	1
2-Fluorobiphenyl (Surr)	62		21 - 130			04/01/24 12:47	04/26/24 01:36	1
Nitrobenzene-d5 (Surr)	65		16 - 130			04/01/24 12:47	04/26/24 01:36	1
p-Terphenyl-d14 (Surr)	52		40 - 164			04/01/24 12:47	04/26/24 01:36	1

Method: EPA-DW2 504.1 - EDE	B, DBCP and 1,2,3-TCF	P (GC)						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
1.2-Dibromoethane (FDR)	ND	0.0095	ua/l		04/02/24 09:39	04/02/24 16:16		

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	*1	0.25	ug/L		04/01/24 13:57	04/05/24 13:58	1
PCB-1221	ND		0.25	ug/L		04/01/24 13:57	04/05/24 13:58	1
PCB-1232	ND		0.25	ug/L		04/01/24 13:57	04/05/24 13:58	1
PCB-1242	ND		0.25	ug/L		04/01/24 13:57	04/05/24 13:58	1
PCB-1248	ND		0.25	ug/L		04/01/24 13:57	04/05/24 13:58	1
PCB-1254	ND		0.25	ug/L		04/01/24 13:57	04/05/24 13:58	1

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04/01/24 12:47 04/26/24 01:36

Client: Wayne Price LLC Job ID: 885-2017-1

Project/Site: BW04 MW1

Sulfate

Lab Sample ID: 885-2017-1 **Client Sample ID: MW1** Date Collected: 03/28/24 08:00

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

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**Matrix: Water** 

03/29/24 14:23

Date Received: 03/29/24 07:55

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.25	ug/L		04/01/24 13:57	04/05/24 13:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	57		15 - 137			04/01/24 13:57	04/05/24 13:58	1
DCB Decachlorobiphenyl (Surr)	56		15 - 175			04/01/24 13:57	04/05/24 13:58	1
Method: EPA 300.0 - Anions Analyte	•	tography Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.46		0.10	mg/L			03/29/24 14:11	1
Nitrate Nitrite as N	ND		0.20	mg/L			03/29/24 14:11	1
Chloride	46		10	mg/L			03/29/24 14:23	20
Fluoride	1 2		0.10	ma/l			03/29/24 14:11	1

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mg/L

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND ND	0.020	mg/L			04/01/24 09:18	1
Barium	0.051	0.0030	mg/L			04/01/24 09:18	1
Beryllium	ND	0.0020	mg/L			04/01/24 09:18	1
Boron	0.23	0.040	mg/L			04/01/24 09:18	1
Cadmium	ND	0.0020	mg/L			04/01/24 09:18	1
Chromium	ND	0.0060	mg/L			04/01/24 09:18	1
Cobalt	ND	0.0060	mg/L			04/01/24 09:18	1
Copper	ND	0.0060	mg/L			04/01/24 09:18	1
Iron	0.43	0.020	mg/L			04/01/24 09:18	1
Manganese	1.0	0.010	mg/L			04/01/24 09:20	5
Molybdenum	0.020 ^6-	0.0080	mg/L			04/01/24 09:18	1
Nickel	ND	0.010	mg/L			04/01/24 09:18	1
Silver	ND	0.0050	mg/L			04/01/24 09:18	1
Zinc	ND	0.010	mg/L			04/01/24 09:18	1

Analyte	Result Qual	ifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND ND	0.0010	mg/L			04/02/24 14:45	1
Arsenic	0.0068	0.00050	mg/L			04/02/24 14:45	1
Lead	ND	0.00050	mg/L			04/02/24 14:45	1
Selenium	ND	0.0010	mg/L			04/02/24 14:45	1
Thallium	ND	0.00025	mg/L			04/02/24 14:45	1
Uranium	0.0037	0.00050	mg/L			04/02/24 14:45	1

Method: EPA 245.1 - Mercury	(CVAA)						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	0.00020	mg/L		04/10/24 10:28	04/11/24 13:37	1
General Chemistry Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

General Chemistry							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	520	250	mg/L			04/02/24 11:29	1
Phenolics, Total Recoverable (SW846 9067)	ND	5.0	ug/L		04/02/24 06:51	04/02/24 14:15	1
Cyanide, Total (EPA Kelada 01)	ND F1	0.0050	mg/L			04/10/24 13:30	1

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Client: Wayne Price LLC Job ID: 885-2017-1

Project/Site: BW04 MW1

**Client Sample ID: MW1** Lab Sample ID: 885-2017-1 Date Collected: 03/28/24 08:00

**Matrix: Water** 

Date Received: 03/29/24 07:55

General Chemistry (Continued) Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	220	20	mg/L			04/10/24 00:45	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	220	20	mg/L			04/10/24 00:45	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND	2.0	mg/L			04/10/24 00:45	1
pH (SM 4500 H+ B)	8.1 HF	0.1	SU			04/10/24 00:45	1

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.332		0.229	0.231	1.00	0.318	pCi/L	04/03/24 10:04	04/26/24 15:01	1

Method: EPA 904.0	) - Radium	-228 (GFP	C)							
			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.206	U	0.389	0.389	1.00	0.675	pCi/L	04/03/24 10:09	04/25/24 12:02	1

Client: Wayne Price LLC Job ID: 885-2017-1

Project/Site: BW04 MW1

**Client Sample ID: Trip Blank** Lab Sample ID: 885-2017-2 Date Collected: 03/28/24 00:00

**Matrix: Water** 

Date Received: 03/29/24 07:55

Released to Imaging: 7/3/2024 2:42:05 PM

Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
ND -		1.0	ug/L		<u> </u>	04/04/24 04:18	
ND		1.0	_			04/04/24 04:18	
ND		2.0	_			04/04/24 04:18	
ND		1.0				04/04/24 04:18	
ND						04/04/24 04:18	
ND		1.0	-			04/04/24 04:18	
		1.0				04/04/24 04:18	,
		1.0				04/04/24 04:18	
		2.0	=			04/04/24 04:18	
		1.0				04/04/24 04:18	,
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			ug/L			04/04/24 04:18	
ND		1.0	ug/L			04/04/24 04:18	,
ND		1.0	ug/L			04/04/24 04:18	,
ND		1.0	ug/L			04/04/24 04:18	
	ND   ND   ND   ND   ND   ND   ND   ND	ND N	ND         1.0           ND         1.0	ND	ND	ND	ND

Client: Wayne Price LLC Job ID: 885-2017-1

Project/Site: BW04 MW1

**Client Sample ID: Trip Blank** Lab Sample ID: 885-2017-2

**Matrix: Water** 

Date Collected: 03/28/24 00:00 Date Received: 03/29/24 07:55

Released to Imaging: 7/3/2024 2:42:05 PM

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	ug/L			04/04/24 04:18	1
Naphthalene	ND		2.0	ug/L			04/04/24 04:18	1
n-Butylbenzene	ND		3.0	ug/L			04/04/24 04:18	1
N-Propylbenzene	ND		1.0	ug/L			04/04/24 04:18	1
sec-Butylbenzene	ND		1.0	ug/L			04/04/24 04:18	1
Styrene	ND		1.0	ug/L			04/04/24 04:18	1
tert-Butylbenzene	ND		1.0	ug/L			04/04/24 04:18	1
Tetrachloroethene (PCE)	ND		1.0	ug/L			04/04/24 04:18	1
Toluene	ND		1.0	ug/L			04/04/24 04:18	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			04/04/24 04:18	1
trans-1,3-Dichloropropene	ND		1.0	ug/L			04/04/24 04:18	1
Trichloroethene (TCE)	ND		1.0	ug/L			04/04/24 04:18	1
Trichlorofluoromethane	ND		1.0	ug/L			04/04/24 04:18	1
Vinyl chloride	ND		1.0	ug/L			04/04/24 04:18	1
Xylenes, Total	ND		1.5	ug/L			04/04/24 04:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		•		04/04/24 04:18	1
4-Bromofluorobenzene (Surr)	97		70 - 130				04/04/24 04:18	1
Dibromofluoromethane (Surr)	102		70 - 130				04/04/24 04:18	1
Toluene-d8 (Surr)	96		70 - 130				04/04/24 04:18	1

Method: EPA-DW2 504.1 - EDE	3, DBCP and 1,2,3-TCF	P (GC)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND —	0.0095	ug/L	_	04/02/24 09:39	04/02/24 16:33	1

# **Tracer/Carrier Summary**

Client: Wayne Price LLC Job ID: 885-2017-1

Project/Site: BW04 MW1

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water Prep Type: Total/NA

			Percent Yield (Acceptance Limits)
		Ва	
Lab Sample ID	Client Sample ID	(30-110)	
LCS 160-655144/2-A	Lab Control Sample	94.0	
MB 160-655144/1-A	Method Blank	100	
Tracer/Carrier Legen	d		
Ba = Ba Carrier			

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water Prep Type: Total/NA

				Percent Yield (Acceptance Limits)
		Ва	Υ	
Lab Sample ID	Client Sample ID	(30-110)	(30-110)	
LCS 160-655146/2-A	Lab Control Sample	94.0	78.9	
MB 160-655146/1-A	Method Blank	100	77.8	
Tracer/Carrier Legen	d			

Ba = Ba Carrier

Y = Y Carrier

1

3

3

5

8

9

10

14

# **QC Sample Results**

Client: Wayne Price LLC Job ID: 885-2017-1 Project/Site: BW04 MW1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-2765/3

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**Matrix: Water** 

**Analysis Batch: 2765** 

C

Client Sample ID: Method Bl	ank	
Prep Type: Total	/NA	

Analysis Batch: 2765	MB MB					
Analyte	Result Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND -	1.0	ug/L		04/04/24 00:38	1
1,1,1-Trichloroethane	ND	1.0	ug/L		04/04/24 00:38	1
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L		04/04/24 00:38	1
1,1,2-Trichloroethane	ND	1.0	ug/L		04/04/24 00:38	1
1,1-Dichloroethane	ND	1.0	ug/L		04/04/24 00:38	1
1,1-Dichloroethene	ND	1.0	ug/L		04/04/24 00:38	1
1,1-Dichloropropene	ND	1.0	ug/L		04/04/24 00:38	1
1,2,3-Trichlorobenzene	ND	1.0	ug/L		04/04/24 00:38	1
1,2,3-Trichloropropane	ND	2.0	ug/L		04/04/24 00:38	1
1,2,4-Trichlorobenzene	ND	1.0	ug/L		04/04/24 00:38	1
1,2,4-Trimethylbenzene	ND	1.0	ug/L		04/04/24 00:38	1
1,2-Dibromo-3-Chloropropane	ND	2.0	ug/L		04/04/24 00:38	1
1,2-Dibromoethane (EDB)	ND	1.0	ug/L		04/04/24 00:38	1
1,2-Dichlorobenzene	ND	1.0	ug/L		04/04/24 00:38	1
1,2-Dichloroethane (EDC)	ND	1.0	ug/L		04/04/24 00:38	1
1,2-Dichloropropane	ND	1.0	ug/L		04/04/24 00:38	1
1,3,5-Trimethylbenzene	ND	1.0	ug/L		04/04/24 00:38	1
1.3-Dichlorobenzene	ND	1.0	ug/L		04/04/24 00:38	1
1,3-Dichloropropane	ND	1.0	ug/L		04/04/24 00:38	· · · · · · · · · · · · · · · · · · ·
1,4-Dichlorobenzene	ND	1.0	ug/L		04/04/24 00:38	1
1-Methylnaphthalene	ND	4.0	ug/L		04/04/24 00:38	1
2,2-Dichloropropane	ND	2.0	ug/L		04/04/24 00:38	· · · · · · 1
2-Butanone	ND	10	ug/L		04/04/24 00:38	1
2-Chlorotoluene	ND	1.0	ug/L		04/04/24 00:38	1
2-Hexanone	ND	10	ug/L		04/04/24 00:38	· 1
2-Methylnaphthalene	ND	4.0	ug/L		04/04/24 00:38	1
4-Chlorotoluene	ND	1.0	ug/L		04/04/24 00:38	1
4-Isopropyltoluene	ND	1.0	ug/L		04/04/24 00:38	
4-Methyl-2-pentanone	ND	10	ug/L		04/04/24 00:38	1
Benzene	ND	1.0	ug/L		04/04/24 00:38	1
Bromobenzene	ND	1.0	ug/L		04/04/24 00:38	· · · · · · · · · · · · · · · · · · ·
Bromodichloromethane	ND	1.0	ug/L		04/04/24 00:38	1
Bromoform	ND	1.0	ug/L		04/04/24 00:38	1
Bromomethane	ND	3.0	ug/L ug/L		04/04/24 00:38	1
Carbon disulfide	ND ND	10	ug/L		04/04/24 00:38	1
Carbon tetrachloride					04/04/24 00:38	1
Chlorobenzene	ND ND	1.0	ug/L ug/L		04/04/24 00:38	1
Chloroethane	ND	2.0	_		04/04/24 00:38	1
Chloroform	ND	1.0	ug/L		04/04/24 00:38	1
Chloromethane	ND	3.0	ug/L		04/04/24 00:38	
cis-1,2-Dichloroethene		1.0	ug/L		04/04/24 00:38	_
·	ND ND		ug/L			1
cis-1,3-Dichloropropene	ND	1.0	ug/L		04/04/24 00:38	1
Dibromochloromethane Dibromomethane	ND ND	1.0	ug/L		04/04/24 00:38	1
Dibromomethane Dichlorodifluoromethane	ND ND	1.0	ug/L		04/04/24 00:38 04/04/24 00:38	1
	ND	1.0	ug/L			
Ethylbenzene	ND	1.0	ug/L		04/04/24 00:38	1
Hexachlorobutadiene	ND	1.0	ug/L		04/04/24 00:38	1
Isopropylbenzene	ND	1.0	ug/L		04/04/24 00:38	1

Client: Wayne Price LLC Job ID: 885-2017-1 Project/Site: BW04 MW1

# Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-2765/3 **Matrix: Water** 

**Analysis Batch: 2765** 

Client Sample ID: Method Blank

Prep Type: Total/NA

•	MB MB					
Analyte	Result Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
Methylene Chloride	ND ND	3.0	ug/L	<del>_</del> <del>_</del>	04/04/24 00:38	1
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/L		04/04/24 00:38	1
Naphthalene	ND	2.0	ug/L		04/04/24 00:38	1
n-Butylbenzene	ND	3.0	ug/L		04/04/24 00:38	1
N-Propylbenzene	ND	1.0	ug/L		04/04/24 00:38	1
sec-Butylbenzene	ND	1.0	ug/L		04/04/24 00:38	1
Styrene	ND	1.0	ug/L		04/04/24 00:38	1
tert-Butylbenzene	ND	1.0	ug/L		04/04/24 00:38	1
Tetrachloroethene (PCE)	ND	1.0	ug/L		04/04/24 00:38	1
Toluene	ND	1.0	ug/L		04/04/24 00:38	1
trans-1,2-Dichloroethene	ND	1.0	ug/L		04/04/24 00:38	1
trans-1,3-Dichloropropene	ND	1.0	ug/L		04/04/24 00:38	1
Trichloroethene (TCE)	ND	1.0	ug/L		04/04/24 00:38	1
Trichlorofluoromethane	ND	1.0	ug/L		04/04/24 00:38	1
Vinyl chloride	ND	1.0	ug/L		04/04/24 00:38	1
Xylenes, Total	ND	1.5	ug/L		04/04/24 00:38	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		04/04/24 00:38	1	
4-Bromofluorobenzene (Surr)	101		70 - 130		04/04/24 00:38	1	
Dibromofluoromethane (Surr)	101		70 - 130		04/04/24 00:38	1	
Toluene-d8 (Surr)	96		70 - 130		04/04/24 00:38	1	

Lab Sample ID: LCS 885-2765/2

**Matrix: Water** 

**Analysis Batch: 2765** 

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

<b>Spike</b>	LUS	LCS				%Rec	
Added	Result	Qualifier	Unit	D	%Rec	Limits	
20.1	19.5		ug/L		97	70 - 130	
20.1	20.5		ug/L		102	70 - 130	
20.1	20.9		ug/L		104	70 - 130	
20.2	20.3		ug/L		100	70 - 130	
20.2	19.3		ug/L		96	70 - 130	
	20.1 20.1 20.1 20.1 20.2	Added         Result           20.1         19.5           20.1         20.5           20.1         20.9           20.2         20.3	Added         Result         Qualifier           20.1         19.5           20.1         20.5           20.1         20.9           20.2         20.3	Added         Result         Qualifier         Unit           20.1         19.5         ug/L           20.1         20.5         ug/L           20.1         20.9         ug/L           20.2         20.3         ug/L	Added         Result         Qualifier         Unit         D           20.1         19.5         ug/L           20.1         20.5         ug/L           20.1         20.9         ug/L           20.2         20.3         ug/L	Added         Result         Qualifier         Unit         D         %Rec           20.1         19.5         ug/L         97           20.1         20.5         ug/L         102           20.1         20.9         ug/L         104           20.2         20.3         ug/L         100	Added         Result         Qualifier         Unit         D         %Rec         Limits           20.1         19.5         ug/L         97         70 - 130           20.1         20.5         ug/L         102         70 - 130           20.1         20.9         ug/L         104         70 - 130           20.2         20.3         ug/L         100         70 - 130

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: MB 885-2836/4

**Matrix: Water** 

**Analysis Batch: 2836** 

Client Sample ID: Method Blan	1k
Daniel Toward Takel/A	LA

Prep Type: Total/NA

MB MB Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac ND 1.0 1,1,1,2-Tetrachloroethane ug/L 04/04/24 11:57 1,1,1-Trichloroethane ND 1.0 ug/L 04/04/24 11:57 ND 04/04/24 11:57 1,1,2,2-Tetrachloroethane 2.0 ug/L

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Dil Fac

# **QC Sample Results**

Client: Wayne Price LLC Job ID: 885-2017-1 Project/Site: BW04 MW1

RL

Unit

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

MB MB

Result Qualifier

Lab Sample ID: MB 885-2836/4

**Matrix: Water** 

Dibromomethane

Ethylbenzene

Naphthalene

n-Butylbenzene

Dichlorodifluoromethane

Hexachlorobutadiene

Isopropylbenzene

Methylene Chloride

Methyl-tert-butyl Ether (MTBE)

Analyte

**Analysis Batch: 2836** 

Client Sample ID: Method Blank

Analyzed

Prepared

**Prep Type: Total/NA** 

Allalyte	Nesuit Qualii	iei KL	Offic	D Flepaleu	Allalyzeu	DIIFac
1,1,2-Trichloroethane	ND	1.0	ug/L		04/04/24 11:57	1
1,1-Dichloroethane	ND	1.0	ug/L		04/04/24 11:57	1
1,1-Dichloroethene	ND	1.0	ug/L		04/04/24 11:57	1
1,1-Dichloropropene	ND	1.0	ug/L		04/04/24 11:57	1
1,2,3-Trichlorobenzene	ND	1.0	ug/L		04/04/24 11:57	1
1,2,3-Trichloropropane	ND	2.0	ug/L		04/04/24 11:57	1
1,2,4-Trichlorobenzene	ND	1.0	ug/L		04/04/24 11:57	1
1,2,4-Trimethylbenzene	ND	1.0	ug/L		04/04/24 11:57	1
1,2-Dibromo-3-Chloropropane	ND	2.0	ug/L		04/04/24 11:57	1
1,2-Dibromoethane (EDB)	ND	1.0	ug/L		04/04/24 11:57	1
1,2-Dichlorobenzene	ND	1.0	ug/L		04/04/24 11:57	1
1,2-Dichloroethane (EDC)	ND	1.0	ug/L		04/04/24 11:57	1
1,2-Dichloropropane	ND	1.0	ug/L		04/04/24 11:57	1
1,3,5-Trimethylbenzene	ND	1.0	ug/L		04/04/24 11:57	1
1,3-Dichlorobenzene	ND	1.0	ug/L		04/04/24 11:57	1
1,3-Dichloropropane	ND	1.0	ug/L		04/04/24 11:57	1
1,4-Dichlorobenzene	ND	1.0	ug/L		04/04/24 11:57	1
1-Methylnaphthalene	ND	4.0	ug/L		04/04/24 11:57	1
2,2-Dichloropropane	ND	2.0	ug/L		04/04/24 11:57	1
2-Butanone	ND	10	ug/L		04/04/24 11:57	1
2-Chlorotoluene	ND	1.0	ug/L		04/04/24 11:57	1
2-Hexanone	ND	10	ug/L		04/04/24 11:57	1
2-Methylnaphthalene	ND	4.0	ug/L		04/04/24 11:57	1
4-Chlorotoluene	ND	1.0	ug/L		04/04/24 11:57	1
4-Isopropyltoluene	ND	1.0	ug/L		04/04/24 11:57	1
4-Methyl-2-pentanone	ND	10	ug/L		04/04/24 11:57	1
Benzene	ND	1.0	ug/L		04/04/24 11:57	1
Bromobenzene	ND	1.0	ug/L		04/04/24 11:57	1
Bromodichloromethane	ND	1.0	ug/L		04/04/24 11:57	1
Bromoform	ND	1.0	ug/L		04/04/24 11:57	1
Bromomethane	ND	3.0	ug/L		04/04/24 11:57	1
Carbon disulfide	ND	10	ug/L		04/04/24 11:57	1
Carbon tetrachloride	ND	1.0	ug/L		04/04/24 11:57	1
Chlorobenzene	ND	1.0	ug/L		04/04/24 11:57	1
Chloroethane	ND	2.0	ug/L		04/04/24 11:57	1
Chloroform	ND	1.0	ug/L		04/04/24 11:57	1
Chloromethane	ND	3.0	ug/L		04/04/24 11:57	1
cis-1,2-Dichloroethene	ND	1.0	ug/L		04/04/24 11:57	1
cis-1,3-Dichloropropene	ND	1.0	ug/L		04/04/24 11:57	1
Dibromochloromethane	ND	1.0	ug/L		04/04/24 11:57	1
<b>-</b> "						

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04/04/24 11:57

04/04/24 11:57

04/04/24 11:57

04/04/24 11:57

04/04/24 11:57

04/04/24 11:57

04/04/24 11:57

04/04/24 11:57

04/04/24 11:57

1.0

1.0

1.0

1.0

1.0

3.0

1.0

2.0

3.0

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

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ND

ND

ND

ND

ND

ND

ND

ND

ND

Lab Sample ID: MB 885-2836/4

Client: Wayne Price LLC Job ID: 885-2017-1

Project/Site: BW04 MW1 Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: Method Blank

Prep Type: Total/NA

**Analysis Batch: 2836** 

**Matrix: Water** 

•	MB MB						
Analyte	Result Qua	lifier RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND ND	1.0	ug/L			04/04/24 11:57	1
sec-Butylbenzene	ND	1.0	ug/L			04/04/24 11:57	1
Styrene	ND	1.0	ug/L			04/04/24 11:57	1
tert-Butylbenzene	ND	1.0	ug/L			04/04/24 11:57	1
Tetrachloroethene (PCE)	ND	1.0	ug/L			04/04/24 11:57	1
Toluene	ND	1.0	ug/L			04/04/24 11:57	1
trans-1,2-Dichloroethene	ND	1.0	ug/L			04/04/24 11:57	1
trans-1,3-Dichloropropene	ND	1.0	ug/L			04/04/24 11:57	1
Trichloroethene (TCE)	ND	1.0	ug/L			04/04/24 11:57	1
Trichlorofluoromethane	ND	1.0	ug/L			04/04/24 11:57	1
Vinyl chloride	ND	1.0	ug/L			04/04/24 11:57	1
Xylenes, Total	ND	1.5	ug/L			04/04/24 11:57	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 130	<del></del>	04/04/24 11:57	1
4-Bromofluorobenzene (Surr)	96		70 - 130		04/04/24 11:57	1
Dibromofluoromethane (Surr)	101		70 - 130		04/04/24 11:57	1
Toluene-d8 (Surr)	97		70 - 130		04/04/24 11:57	1

Lab Sample ID: LCS 885-2836/3 **Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA** 

**Analysis Batch: 2836** 

•	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	20.1	20.1		ug/L		100	70 - 130	
Benzene	20.1	21.1		ug/L		105	70 - 130	
Chlorobenzene	20.1	22.1		ug/L		110	70 - 130	
Toluene	20.2	21.4		ug/L		106	70 - 130	
Trichloroethene (TCE)	20.2	20.2		ug/L		100	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
Toluene-d8 (Surr)	99		70 - 130

#### Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 885-2561/1-A

**Matrix: Water** 

**Analysis Batch: 3961** 

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2561

	MR MR						
Analyte I	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND	0.30	ug/L		04/01/24 12:47	04/25/24 23:21	1
2-Methylnaphthalene	ND	0.30	ug/L		04/01/24 12:47	04/25/24 23:21	1
Atrazine	ND	1.5	ug/L		04/01/24 12:47	04/25/24 23:21	1
Benzo[a]pyrene	ND	0.40	ug/L		04/01/24 12:47	04/25/24 23:21	1
Naphthalene	ND	0.30	ug/L		04/01/24 12:47	04/25/24 23:21	1

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Client: Wayne Price LLC Job ID: 885-2017-1 Project/Site: BW04 MW1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

ND

Lab Sample ID: MB 885-2561/1-A

**Matrix: Water** 

Pentachlorophenol

Analyte

**Analysis Batch: 3961** 

Prep Batch: 2561 MB MB Result Qualifier RL Unit Prepared Analyzed Dil Fac

ug/L

	MB	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	53		15 - 141	04/01/24 12:47	04/25/24 23:21	1
2-Fluorobiphenyl (Surr)	51		21 - 130	04/01/24 12:47	04/25/24 23:21	1
Nitrobenzene-d5 (Surr)	56		16 - 130	04/01/24 12:47	04/25/24 23:21	1
p-Terphenyl-d14 (Surr)	103		40 - 164	04/01/24 12:47	04/25/24 23:21	1

0.30

Lab Sample ID: LCS 885-2561/2-A

**Matrix: Water** 

**Analysis Batch: 3961** 

**Client Sample ID: Lab Control Sample** Prep Type: Total/NA

04/01/24 12:47 04/25/24 23:21

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2561

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1-Methylnaphthalene	2.00	0.820		ug/L		41	15 - 130	
2-Methylnaphthalene	2.00	0.800		ug/L		40	15 - 130	
Atrazine	2.00	2.20		ug/L		110	15 - 201	
Benzo[a]pyrene	2.00	1.60		ug/L		80	42 - 136	
Naphthalene	2.00	0.660		ug/L		33	15 - 130	
Pentachlorophenol	2.00	1.36		ug/L		68	26 - 130	

LCS LCS Surrogate %Recovery Qualifier Limits 2,4,6-Tribromophenol (Surr) 15 - 141 73 2-Fluorobiphenyl (Surr) 38 21 - 130 Nitrobenzene-d5 (Surr) 16 - 130 49 p-Terphenyl-d14 (Surr) 97 40 - 164

Lab Sample ID: LCSD 885-2561/3-A

**Matrix: Water** 

**Analysis Batch: 3961** 

**Client Sample ID: Lab Control Sample Dup** Prep Type: Total/NA

Prep Batch: 2561

7 mm, join 2 min 2001.									
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1-Methylnaphthalene	2.00	0.860		ug/L		43	15 - 130	5	50
2-Methylnaphthalene	2.00	0.840		ug/L		42	15 - 130	5	50
Atrazine	2.00	2.02		ug/L		101	15 - 201	9	20
Benzo[a]pyrene	2.00	1.52		ug/L		76	42 - 136	5	20
Naphthalene	2.00	0.840		ug/L		42	15 - 130	24	50
Pentachlorophenol	2.00	1.22		ug/L		61	26 - 130	11	30

1000	1000
LCSD	LCSD

Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol (Surr)	62		15 - 141
2-Fluorobiphenyl (Surr)	41		21 - 130
Nitrobenzene-d5 (Surr)	49		16 - 130
p-Terphenyl-d14 (Surr)	78		40 - 164

Dil Fac

Client: Wayne Price LLC Job ID: 885-2017-1

Project/Site: BW04 MW1

Method: 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

Lab Sample ID: MB 885-2602/3-A **Matrix: Water** 

**Analysis Batch: 2698** 

1,2-Dibromoethane (EDB)

MB MB

Analyte

Result Qualifier

ND

RL 0.010 Unit ug/L

Prepared

Analyzed 04/02/24 09:39 04/02/24 15:42

Client Sample ID: Method Blank

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 2567

Dil Fac

Dil Fac

Prep Batch: 2602

Prep Type: Total/NA

Prep Batch: 2602

Lab Sample ID: LCS 885-2602/4-A

**Matrix: Water** 

Analyte

**Analysis Batch: 2698** 

Spike Added

0.100 0.114

Result Qualifier

LCS LCS

Unit ug/L

D %Rec Limits 114

70 - 130

%Rec

**Client Sample ID: Lab Control Sample** 

Lab Sample ID: MRL 885-2602/1-A

**Matrix: Water** 

**Analysis Batch: 2698** 

1,2-Dibromoethane (EDB)

Spike Added Analyte 1,2-Dibromoethane (EDB) 0.0100

RL

0.25

0.25

0.25

0.25

0.25

0.25

0.25

MRL MRL Result Qualifier ND

Unit ug/L

D

%Rec 65

Prepared

Prepared

D

%Rec

65

89

Prep Batch: 2602 %Rec Limits

60 - 140

Client Sample ID: Method Blank

04/01/24 13:57 04/05/24 12:07

04/01/24 13:57 04/05/24 12:07

04/01/24 13:57 04/05/24 12:07

04/01/24 13:57 04/05/24 12:07

04/01/24 13:57 04/05/24 12:07

04/01/24 13:57 04/05/24 12:07

04/01/24 13:57 04/05/24 12:07

Analyzed

Analyzed

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 885-2567/1-A

**Matrix: Water** 

PCB-1248

PCB-1254

**Analysis Batch: 2880** 

MB MB

ND

ND

Analyte	Result	Qualifier
PCB-1016	ND	
PCB-1221	ND	
PCB-1232	ND	
PCB-1242	ND	

PCB-1260 ND MB MB Qualifier Surrogate %Recovery

Tetrachloro-m-xylene 52 DCB Decachlorobiphenyl (Surr) 84 15 - 175

Limits 15 - 137

Spike

Added

15 - 137

15 - 175

5.00

Unit

ug/L

ug/L

Unit

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

LCS LCS

3.26

4.45

Result Qualifier

04/01/24 13:57 04/05/24 12:07 04/01/24 13:57 04/05/24 12:07

Limits

23 - 130

54 - 130

**Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Prep Batch: 2567 %Rec

**Analysis Batch: 2880** Analyte

**Matrix: Water** 

PCB-1016

PCB-1260

Lab Sample ID: LCS 885-2567/2-A

Released to Imaging: 7/3/2024 2:42:05 PM

5.00 LCS LCS Qualifier Limits %Recovery

Surrogate Tetrachloro-m-xylene 56 DCB Decachlorobiphenyl (Surr) 89

Client: Wayne Price LLC Job ID: 885-2017-1

Project/Site: BW04 MW1

# Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 885-2567/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2880** 

Prep Batch: 2567 LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit PCB-1016 5.00 2.52 \*1 ug/L 50 23 - 130 25 20 PCB-1260 5.00 4.27 ug/L 85 54 - 130 20

LCSD LCSD

Surrogate	%Recovery Qu	alifier	Limits
Tetrachloro-m-xylene	42		15 - 137
DCB Decachlorobiphenyl (Surr)	82		15 - 175

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-2546/4 **Client Sample ID: Method Blank** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 2546** 

MB MB

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND ND	0.10	mg/L			03/29/24 09:01	1
Chloride	ND	0.50	mg/L			03/29/24 09:01	1
Fluoride	ND	0.10	mg/L			03/29/24 09:01	1
Sulfate	ND	0.50	mg/L			03/29/24 09:01	1

Lab Sample ID: LCS 885-2546/5 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2546** 

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Bromide	2.50	2.49		mg/L		100	90 - 110	
Chloride	5.00	4.86		mg/L		97	90 - 110	
Fluoride	0.500	0.511		mg/L		102	90 - 110	
Sulfate	10.0	9.91		mg/L		99	90 - 110	

Lab Sample ID: MRL 885-2546/3 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2546** 

_	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Bromide	0.100	0.101		mg/L		101	50 - 150	
Chloride	0.500	0.539		mg/L		108	50 - 150	
Fluoride	0.100	0.110		mg/L		110	50 - 150	
Sulfate	0.500	0.540		mg/L		108	50 - 150	

Lab Sample ID: MB 885-2547/4 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2547** 

MB MB

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND	0.20	mg/L			03/29/24 09:01	1

## **QC Sample Results**

Client: Wayne Price LLC Job ID: 885-2017-1

Project/Site: BW04 MW1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 885-2543/16

**Matrix: Water Analysis Batch: 2543**  **Client Sample ID: Method Blank** 

Prep Type: Total/NA

	MB MB						
Analyte	Result Quali	fier RL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND ND	0.020	mg/L			04/01/24 08:49	1
Barium	ND	0.0030	mg/L			04/01/24 08:49	1
Beryllium	ND	0.0020	mg/L			04/01/24 08:49	1
Boron	ND	0.040	mg/L			04/01/24 08:49	1
Cadmium	ND	0.0020	mg/L			04/01/24 08:49	1
Chromium	ND	0.0060	mg/L			04/01/24 08:49	1
Cobalt	ND	0.0060	mg/L			04/01/24 08:49	1
Copper	ND	0.0060	mg/L			04/01/24 08:49	1
Iron	ND	0.020	mg/L			04/01/24 08:49	1
Manganese	ND	0.0020	mg/L			04/01/24 08:49	1
Molybdenum	ND ^6-	0.0080	mg/L			04/01/24 08:49	1
Nickel	ND	0.010	mg/L			04/01/24 08:49	1
Silver	ND	0.0050	mg/L			04/01/24 08:49	1
Zinc	ND	0.010	mg/L			04/01/24 08:49	1

Lab Sample ID: LCS 885-2543/18

**Matrix: Water** 

**Analysis Batch: 2543** 

**Client Sample ID: Lab Control Sample** 

**Prep Type: Total/NA** 

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Aluminum	0.500	0.558		mg/L		112	85 - 115	
Barium	0.500	0.493		mg/L		99	85 - 115	
Beryllium	0.500	0.508		mg/L		102	85 - 115	
Boron	0.500	0.509		mg/L		102	85 - 115	
Cadmium	0.500	0.499		mg/L		100	85 - 115	
Chromium	0.500	0.489		mg/L		98	85 - 115	
Cobalt	0.500	0.484		mg/L		97	85 - 115	
Copper	0.500	0.495		mg/L		99	85 - 115	
Iron	0.500	0.507		mg/L		101	85 - 115	
Manganese	0.500	0.495		mg/L		99	85 - 115	
Molybdenum	0.500	0.488	^6-	mg/L		98	85 - 115	
Nickel	0.500	0.483		mg/L		97	85 - 115	
Silver	0.500	0.501		mg/L		100	85 - 115	
Zinc	0.500	0.491		mg/L		98	85 - 115	

Lab Sample ID: LLCS 885-2543/23

**Matrix: Water** 

**Analysis Batch: 2543** 

**Client Sample ID: Lab Control Sample** Prep Type: Total/NA

	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Aluminum	0.0100	0.0141	J	mg/L		141	50 - 150	
Barium	0.00200	ND		mg/L		75	50 - 150	
Beryllium	0.00200	0.00225		mg/L		113	50 - 150	
Boron	0.0400	0.0394	J	mg/L		99	50 - 150	
Cadmium	0.00200	ND		mg/L		58	50 - 150	
Chromium	0.00600	0.00482	J	mg/L		80	50 - 150	
Cobalt	0.00600	0.00568	J	mg/L		95	50 - 150	
Copper	0.00600	0.00466	J	mg/L		78	50 - 150	
Iron	0.0200	0.0220		mg/L		110	50 - 150	

### QC Sample Results

Client: Wayne Price LLC Job ID: 885-2017-1

Project/Site: BW04 MW1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LLCS 885-2543/23 **Matrix: Water** 

Lab Sample ID: MRL 885-2543/13

**Analysis Batch: 2543** 

**Matrix: Water** 

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

LLCS LLCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Manganese 0.00200 0.00206 mg/L 103 50 - 150 Molybdenum 0.00800 0.00610 J ^6mg/L 76 50 - 150 Nickel 0.00500 0.00419 J 50 - 150 mg/L 84 0.00428 J Silver 0.00500 mg/L 86 50 - 150 Zinc 0.0100 0.00983 J mg/L 98 50 - 150

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

**Analysis Batch: 2543** MRL MRL Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Aluminum 0.0100 ND 50 - 150 mg/L 120 Barium 0.00200 ND mg/L 78 50 - 150 Beryllium 0.00200 0.00228 mg/L 114 50 - 150 Boron 0.0400 0.0390 J mg/L 97 50 - 150 Cadmium 0.00200 0.00191 J 95 50 - 150 mg/L Chromium 0.00600 0.00634 mg/L 106 50 - 150 Cobalt 0.00600 0.00611 102 50 - 150 mg/L Copper 0.00600 0.00476 J mg/L 79 50 - 150 Iron 0.0200 0.0218 J mg/L 109 50 - 150 104 50 - 150 Manganese 0.00200 0.00208 mg/L Molybdenum 0.00800 0.00683 J 85 mg/L 50 - 150 Nickel 0.00500 0.00657 J mg/L 131 50 - 150 Silver 0.00469 J 94 50 - 150 0.00500 mg/L Zinc 108 0.0100 0.0108 mg/L 50 - 150

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 885-2681/12

**Matrix: Water** 

**Analysis Batch: 2681** 

Client Sample ID: Method Blank **Prep Type: Total/NA** 

MB MB Result Qualifier **Analyte** RL Unit D Prepared Analyzed Dil Fac ND 0.0010 Antimony mg/L 04/02/24 12:37 Lead ND 0.00050 mg/L 04/02/24 12:37 ND Selenium 0.0010 mg/L 04/02/24 12:37 Thallium ND 0.00025 mg/L 04/02/24 12:37 Uranium ND 0.00050 mg/L 04/02/24 12:37

Lab Sample ID: MB 885-2681/39

**Matrix: Water** 

**Analysis Batch: 2681** 

Client Sample ID: Method Blank

**Prep Type: Total/NA** 

MB I	MB						
Result (	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
ND		0.0010	mg/L			04/02/24 13:57	1
ND		0.00050	mg/L			04/02/24 13:57	1
ND		0.00050	mg/L			04/02/24 13:57	1
ND		0.0010	mg/L			04/02/24 13:57	1
ND		0.00025	mg/L			04/02/24 13:57	1
ND		0.00050	mg/L			04/02/24 13:57	1
	Result ND ND ND ND ND ND	Result Qualifier  ND  ND  ND  ND  ND  ND  ND  ND	Result         Qualifier         RL           ND         0.0010           ND         0.00050           ND         0.00050           ND         0.0010           ND         0.00025	Result         Qualifier         RL         Unit           ND         0.0010         mg/L           ND         0.00050         mg/L           ND         0.00050         mg/L           ND         0.0010         mg/L           ND         0.00025         mg/L	Result         Qualifier         RL         Unit         D           ND         0.0010         mg/L           ND         0.00050         mg/L           ND         0.00050         mg/L           ND         0.0010         mg/L           ND         0.00025         mg/L	Result         Qualifier         RL         Unit         D         Prepared           ND         0.0010         mg/L         mg/L         mg/L         mg/L         ND         0.00050         mg/L         mg/L         ND         0.0010         mg/L         mg/L         ND         0.00025         mg/L         mg/L         ND         0.00025         ND	Result         Qualifier         RL         Unit         D         Prepared         Analyzed           ND         0.0010         mg/L         04/02/24 13:57           ND         0.00050         mg/L         04/02/24 13:57           ND         0.00050         mg/L         04/02/24 13:57           ND         0.0010         mg/L         04/02/24 13:57           ND         0.00025         mg/L         04/02/24 13:57

Client: Wayne Price LLC Job ID: 885-2017-1 Project/Site: BW04 MW1

**Prep Type: Total/NA** 

**Client Sample ID: Lab Control Sample** 

**Client Sample ID: Lab Control Sample** 

**Client Sample ID: Lab Control Sample** 

**Client Sample ID: Method Blank** 

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

**Prep Type: Total/NA** Prep Batch: 3020

Prep Batch: 3020

Prep Type: Total/NA

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: LCS 885-2681/40

**Matrix: Water** 

Analysis Batch: 2681

Analysis Daton. 2001								
-	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Antimony	0.0250	0.0243		mg/L		97	85 - 115	
Arsenic	0.0250	0.0241		mg/L		96	85 - 115	
Lead	0.0125	0.0121		mg/L		97	85 - 115	
Selenium	0.0250	0.0248		mg/L		99	85 - 115	
Thallium	0.0125	0.0121		mg/L		97	85 - 115	
Uranium	0.0125	0.0119		ma/l		95	85 - 115	

Lab Sample ID: MRL 885-2681/10 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 2681** 

	Spike	MRL	MRL			%Rec	
Analyte	Added	Result	Qualifier	Unit	D %Rec	Limits	
Antimony	0.00100	0.00110		mg/L	110	50 - 150	
Lead	0.000500	0.000505		mg/L	101	50 - 150	
Selenium	0.00100	0.00116		mg/L	116	50 - 150	
Uranium	0.000500	0.000490	J	mg/L	98	50 - 150	

Lab Sample ID: MRL 885-2681/11

**Matrix: Water** 

**Analysis Batch: 2681** 

		Spike	MRL	MRL				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Arsenic	 	0.000500	0.000505		mg/L		101	50 - 150	 
Thallium		0.000250	0.000263		mg/L		105	50 - 150	

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MRL 885-3019/9-A

Matrix: Water Analysis Batch: 3200						-		pe: Total/NA Batch: 3019
, , , , , , , , , , , , , , , , , , , ,	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Mercury	 0.000150	ND		mg/L		69	50 - 150	

Lab Sample ID: MB 885-3020/1-A

**Matrix: Water** 

**Analysis Batch: 3200** 

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	mg/L		04/10/24 10:28	04/11/24 13:03	1

Lab Sample ID: LCS 885-3020/3-A

**Matrix: Water** 

**Analysis Batch: 3200** 

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits 0.00500 0.00487 Mercury mg/L 97 85 - 115

Client: Wayne Price LLC Job ID: 885-2017-1

Project/Site: BW04 MW1

Method: 245.1 - Mercury (CVAA) (Continued)

Lab Sample ID: LLCS 885-3020/2-A **Matrix: Water** 

Client Sample ID: Lab Control Sample Prep Type: Total/NA

**Analysis Batch: 3200** 

Prep Batch: 3020

Spike LLCS LLCS Added Result Qualifier %Rec Limits Analyte Unit D 0.000150 Mercury 0.000111 J mg/L 74 50 - 150

%Rec

Method: 2540C - Solids, Total Dissolved (TDS)

Client Sample ID: Method Blank

**Matrix: Water** 

Total Dissolved Solids

**Analysis Batch: 2642** 

Lab Sample ID: MB 885-2642/1

Prep Type: Total/NA

MB MB Result Qualifier RL Unit Analyzed Dil Fac Prepared 50  $\overline{\mathsf{ND}}$ mg/L 04/02/24 11:29

Lab Sample ID: LCS 885-2642/2 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2642** 

LCS LCS %Rec Spike Added Result Qualifier Limits Analyte Unit ח %Rec **Total Dissolved Solids** 1000 1020 mg/L 102 80 - 120

Method: 9067 - Phenolics, Total Recoverable

Lab Sample ID: MB 885-2579/1-B Client Sample ID: Method Blank **Matrix: Water** 

**Analysis Batch: 2665** 

**Prep Type: Total/NA** 

Prep Batch: 2579

MB MB Result Qualifier RL Analyte Unit Dil Fac Prepared Analyzed 3.0 04/02/24 06:51 04/02/24 14:15 Phenolics, Total Recoverable ug/L ND

Lab Sample ID: LCS 885-2579/2-B **Client Sample ID: Lab Control Sample Prep Type: Total/NA Matrix: Water Analysis Batch: 2665** Prep Batch: 2579

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits

Phenolics, Total Recoverable 20.0 14.9 ug/L 75 44 - 108

Lab Sample ID: LCSD 885-2579/3-B Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA **Analysis Batch: 2665** Prep Batch: 2579

Spike LCSD LCSD %Rec RPD Added Result Qualifier Unit %Rec Limits **RPD** Limit Phenolics, Total Recoverable 20.0 15.9 ug/L 80

Method: Kelada 01 - Cyanide, Total, Acid Dissociable and Thiocyanate

Lab Sample ID: MB 860-154161/24 Client Sample ID: Method Blank Prep Type: Total/NA

**Matrix: Water** 

Analysis Batch: 154161 MB MB Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Cyanide, Total ND 0.0050 mg/L 04/10/24 13:21

### QC Sample Results

Client: Wayne Price LLC Job ID: 885-2017-1 Project/Site: BW04 MW1

Method: Kelada 01 - Cyanide, Total, Acid Dissociable and Thiocyanate (Continued)

Lab Sample ID: LCS 860-154161/26 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 154161** 

7	•						0/ 5		
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Cyanide, Total	0.100	0.0957		mg/L		96	90 - 110		_

Lab Sample ID: LLCS 860-154161/25 **Client Sample ID: Lab Control Sample Prep Type: Total/NA** 

**Matrix: Water** 

Analysis Batch: 154161

	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Cyanide, Total	 0.0100	0.00529		mg/L		53	50 - 150	 

Lab Sample ID: 885-2017-1 MS **Client Sample ID: MW1 Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 154161** 

7	Sample S	Sample	Spike	MS	MS				%Rec	
Analyte	Result C	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Cyanide, Total	ND F	<del>-</del> 1	0.100	0.0857	F1	mg/L		86	90 - 110	

Lab Sample ID: 885-2017-1 MSD Client Sample ID: MW1 **Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 154161** 

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cyanide, Total	ND	F1	0.100	0.0917		mg/L		92	90 - 110	7	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-2999/2 Client Sample ID: Method Blank **Matrix: Water Prep Type: Total/NA** 

**Analysis Batch: 2999** 

	MR	MR							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total Alkalinity as CaCO3	ND		20	mg/L			04/09/24 14:32	1	
Bicarbonate Alkalinity as CaCO3	ND		20	mg/L			04/09/24 14:32	1	
Carbonate Alkalinity as CaCO3	ND		2.0	mg/L			04/09/24 14:32	1	

Lab Sample ID: MB 885-2999/48 **Client Sample ID: Method Blank Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2999** 

	MB M	/IB						
Analyte	Result Q	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	mg/L			04/09/24 23:38	1
Bicarbonate Alkalinity as CaCO3	ND		20	mg/L			04/09/24 23:38	1
Carbonate Alkalinity as CaCO3	ND		2.0	mg/L			04/09/24 23:38	1

Lab Sample ID: LCS 885-2999/3 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2999** 

Released to Imaging: 7/3/2024 2:42:05 PM

Spike LCS LCS %Rec Added Result Qualifier D %Rec Limits Unit Total Alkalinity as CaCO3 84.8 78.2 92 90 - 110 mg/L

Spike

Added

84.8

Spike

Added

21.2

Total

Uncert.

 $(2\sigma + / -)$ 

0.105

Total

Uncert.

 $(2\sigma + / -)$ 

0.243

Count

Uncert.

 $(2\sigma + / -)$ 

Spike

Added

Limits

30 - 110

11.3

0.105

LCS LCS

Result Qual

9.980

Count

Uncert.

 $(2\sigma + / -)$ 

0.242

LCS LCS

MRL MRL

22.9

RL

1.00

Total

Uncert.

 $(2\sigma + / -)$ 

1.20

Result Qualifier

78.8

Result Qualifier

Unit

mg/L

Unit

mg/L

**MDC** Unit

0.248 pCi/L

RL

1.00

**MDC** Unit

pCi/L

0.198

Prep Type: Total/NA

Prep Type: Total/NA

**Prep Type: Total/NA** 

**Prep Batch: 655144** 

Analyzed

Client Sample ID: Lab Control Sample

%Rec

D %Rec

Prepared

108

93

D

%Rec

Limits

90 - 110

%Rec

Limits

50 - 150

Client Sample ID: Method Blank

**Client Sample ID: Lab Control Sample** 

Client: Wayne Price LLC Project/Site: BW04 MW1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 885-2999/49

**Matrix: Water** 

**Analysis Batch: 2999** 

Analyte

Total Alkalinity as CaCO3

Lab Sample ID: MRL 885-2999/1 **Matrix: Water** 

**Analysis Batch: 2999** 

Analyte

Total Alkalinity as CaCO3

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-655144/1-A **Matrix: Water** 

**Analysis Batch: 658854** 

MR MR Analyte Result Qualifier Radium-226 -0.05409 U

Lab Sample ID: LCS 160-655144/2-A

**Matrix: Water** 

**Analyte** 

Analyte

Analysis Batch: 658854

Radium-226 LCS LCS

Carrier %Yield Qualifier Ba Carrier 94.0

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-655146/1-A **Matrix: Water** 

**Analysis Batch: 658668** 

Radium-228 -0.1146 U Lab Sample ID: LCS 160-655146/2-A

**Matrix: Water** 

**Analysis Batch: 658668** 

Spike Added Analyte

LCS LCS Radium-228 9.00

MB MB

Result Qualifier

Result Qual 8.440

Uncert.  $(2\sigma + / -)$ 1.21

Total

RL

1.00

RL 1.00

**MDC** Unit

0.502 pCi/L

MDC Unit 0.558 pCi/L

Prepared

%Rec 94

Limits 75 - 125

04/03/24 10:09 04/25/24 12:03

Eurofins Albuquerque

**Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Dil Fac

**Prep Batch: 655144** 

%Rec

Limits

75 - 125

%Rec 88

04/03/24 10:04 04/26/24 15:08

Client Sample ID: Method Blank

**Prep Batch: 655146** 

Prep Type: Total/NA

Analyzed Dil Fac

**Prep Batch: 655146** 

%Rec

## **QC Sample Results**

Client: Wayne Price LLC Job ID: 885-2017-1 Project/Site: BW04 MW1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-655146/2-A

Matrix: Water

**Analysis Batch: 658668** 

LCS	LCS

Carrier	%Yield	Qualifier	Limits
Ba Carrier	94.0		30 - 110
Y Carrier	78.9		30 - 110

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA **Prep Batch: 655146** 

Client: Wayne Price LLC

Project/Site: BW04 MW1

Job ID: 885-2017-1

**GC/MS VOA** 

### **Analysis Batch: 2765**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2017-1	MW1	Total/NA	Water	8260B	
885-2017-2	Trip Blank	Total/NA	Water	8260B	
MB 885-2765/3	Method Blank	Total/NA	Water	8260B	
LCS 885-2765/2	Lab Control Sample	Total/NA	Water	8260B	

#### **Analysis Batch: 2836**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2017-1	MW1	Total/NA	Water	8260B	
MB 885-2836/4	Method Blank	Total/NA	Water	8260B	
LCS 885-2836/3	Lab Control Sample	Total/NA	Water	8260B	

#### GC/MS Semi VOA

### Prep Batch: 2561

<b>Lab Sample ID</b> 885-2017-1	Client Sample ID MW1	Prep Type Total/NA	Matrix Water	Method 3510C	Prep Batch
MB 885-2561/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-2561/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-2561/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

#### **Analysis Batch: 3961**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2017-1	MW1	Total/NA	Water	8270C SIM	2561
MB 885-2561/1-A	Method Blank	Total/NA	Water	8270C SIM	2561
LCS 885-2561/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	2561
LCSD 885-2561/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	2561

#### **GC Semi VOA**

#### Prep Batch: 2567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2017-1	MW1	Total/NA	Water	3510C	
MB 885-2567/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-2567/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-2567/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

#### Prep Batch: 2602

<b>Lab Sample ID</b> 885-2017-1	Client Sample ID MW1	Prep Type Total/NA	Matrix Water	Method 504.1	Prep Batch
885-2017-2	Trip Blank	Total/NA	Water	504.1	
MB 885-2602/3-A	Method Blank	Total/NA	Water	504.1	
LCS 885-2602/4-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 885-2602/1-A	Lab Control Sample	Total/NA	Water	504.1	

#### **Analysis Batch: 2698**

<b>Lab Sample ID</b> 885-2017-1	Client Sample ID  MW1	Prep Type  Total/NA	Matrix Water	Method 504.1	Prep Batch 2602
885-2017-2	Trip Blank	Total/NA	Water	504.1	2602
MB 885-2602/3-A	Method Blank	Total/NA	Water	504.1	2602
LCS 885-2602/4-A	Lab Control Sample	Total/NA	Water	504.1	2602
MRL 885-2602/1-A	Lab Control Sample	Total/NA	Water	504.1	2602

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Client: Wayne Price LLC
Project/Site: BW04 MW1

Job ID: 885-2017-1

**GC Semi VOA** 

### **Analysis Batch: 2880**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2017-1	MW1	Total/NA	Water	8082A	2567
MB 885-2567/1-A	Method Blank	Total/NA	Water	8082A	2567
LCS 885-2567/2-A	Lab Control Sample	Total/NA	Water	8082A	2567
LCSD 885-2567/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	2567

### HPLC/IC

#### **Analysis Batch: 2546**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2017-1	MW1	Total/NA	Water	300.0	
885-2017-1	MW1	Total/NA	Water	300.0	
MB 885-2546/4	Method Blank	Total/NA	Water	300.0	
LCS 885-2546/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-2546/3	Lab Control Sample	Total/NA	Water	300.0	

#### **Analysis Batch: 2547**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2017-1	MW1	Total/NA	Water	300.0	
MB 885-2547/4	Method Blank	Total/NA	Water	300.0	
LCS 885-2547/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-2547/3	Lab Control Sample	Total/NA	Water	300.0	

#### Metals

#### **Analysis Batch: 2543**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2017-1	MW1	Dissolved	Water	200.7 Rev 4.4	
885-2017-1	MW1	Dissolved	Water	200.7 Rev 4.4	
MB 885-2543/16	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 885-2543/18	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LLCS 885-2543/23	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
MRL 885-2543/13	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

#### **Analysis Batch: 2681**

Lab Sample ID 885-2017-1	Client Sample ID MW1	Prep Type Dissolved	Matrix Water	Method 200.8	Prep Batch
MB 885-2681/12	Method Blank	Total/NA	Water	200.8	
MB 885-2681/39	Method Blank	Total/NA	Water	200.8	
LCS 885-2681/40	Lab Control Sample	Total/NA	Water	200.8	
MRL 885-2681/10	Lab Control Sample	Total/NA	Water	200.8	
MRL 885-2681/11	Lab Control Sample	Total/NA	Water	200.8	

#### Prep Batch: 3019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-3019/9-A	Lab Control Sample	Total/NA	Water	245.1	

#### Prep Batch: 3020

<b>Lab Sample ID</b> 885-2017-1	Client Sample ID MW1	Prep Type Total/NA	Matrix Water	Method 245.1	Prep Batch
MB 885-3020/1-A	Method Blank	Total/NA	Water	245.1	
LCS 885-3020/3-A	Lab Control Sample	Total/NA	Water	245.1	
LLCS 885-3020/2-A	Lab Control Sample	Total/NA	Water	245.1	

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Client: Wayne Price LLC Job ID: 885-2017-1 Project/Site: BW04 MW1

**Metals** 

**Analysis Batch: 3200** 

Lab Sample ID 885-2017-1	Client Sample ID MW1	Prep Type Total/NA	Matrix Water	Method 245.1	Prep Batch 3020
MB 885-3020/1-A	Method Blank	Total/NA	Water	245.1	3020
LCS 885-3020/3-A	Lab Control Sample	Total/NA	Water	245.1	3020
LLCS 885-3020/2-A	Lab Control Sample	Total/NA	Water	245.1	3020
MRL 885-3019/9-A	Lab Control Sample	Total/NA	Water	245.1	3019

## **General Chemistry**

#### Prep Batch: 2579

Lab Sample ID 885-2017-1	Client Sample ID MW1	Prep Type Total/NA	Matrix Water	Method Distill/Phenol	Prep Batch
MB 885-2579/1-B	Method Blank	Total/NA	Water	Distill/Phenol	
LCS 885-2579/2-B	Lab Control Sample	Total/NA	Water	Distill/Phenol	
LCSD 885-2579/3-B	Lab Control Sample Dup	Total/NA	Water	Distill/Phenol	

#### **Analysis Batch: 2642**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2017-1	MW1	Total/NA	Water	2540C	
MB 885-2642/1	Method Blank	Total/NA	Water	2540C	
LCS 885-2642/2	Lab Control Sample	Total/NA	Water	2540C	

#### Cleanup Batch: 2651

L	ab Sample ID	Client Sample ID	Prep Type	Matrix	Method F	Prep Batch
8	85-2017-1	MW1	Total/NA	Water	9067	2579
N	1B 885-2579/1-B	Method Blank	Total/NA	Water	9067	2579
L	CS 885-2579/2-B	Lab Control Sample	Total/NA	Water	9067	2579
L	CSD 885-2579/3-B	Lab Control Sample Dup	Total/NA	Water	9067	2579

#### **Analysis Batch: 2665**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2017-1	MW1	Total/NA	Water	9067	2651
MB 885-2579/1-B	Method Blank	Total/NA	Water	9067	2651
LCS 885-2579/2-B	Lab Control Sample	Total/NA	Water	9067	2651
LCSD 885-2579/3-B	Lab Control Sample Dup	Total/NA	Water	9067	2651

#### **Analysis Batch: 2999**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2017-1	MW1	Total/NA	Water	SM 2320B	
MB 885-2999/2	Method Blank	Total/NA	Water	SM 2320B	
MB 885-2999/48	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-2999/3	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 885-2999/49	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-2999/1	Lab Control Sample	Total/NA	Water	SM 2320B	

#### **Analysis Batch: 3000**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2017-1	M\\\/1	Total/NA	Water	SM 4500 H+ B	

#### **Analysis Batch: 154161**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2017-1	MW1	Total/NA	Water	Kelada 01	

Client: Wayne Price LLC
Project/Site: BW04 MW1

Job ID: 885-2017-1

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## **General Chemistry (Continued)**

#### **Analysis Batch: 154161 (Continued)**

<b>Lab Sample ID</b> MB 860-154161/24	Client Sample ID  Method Blank	Prep Type Total/NA	Matrix Water	Method Kelada 01	Prep Batch
LCS 860-154161/26	Lab Control Sample	Total/NA	Water	Kelada 01	
LLCS 860-154161/25	Lab Control Sample	Total/NA	Water	Kelada 01	
885-2017-1 MS	MW1	Total/NA	Water	Kelada 01	
885-2017-1 MSD	MW1	Total/NA	Water	Kelada 01	

#### Rad

#### **Prep Batch: 655144**

Lab Sample ID 885-2017-1	Client Sample ID  MW1	Prep Type Total/NA	Matrix Water	Method PrecSep-21	Prep Batch
MB 160-655144/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-655144/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

#### **Prep Batch: 655146**

<b>Lab Sample ID</b> 885-2017-1	Client Sample ID MW1	Prep Type Total/NA	Matrix Water	Method PrecSep_0	Prep Batch
MB 160-655146/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-655146/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Job ID: 885-2017-1

Client: Wayne Price LLC Project/Site: BW04 MW1

**Client Sample ID: MW1** 

Lab Sample ID: 885-2017-1

**Matrix: Water** 

Date Collected: 03/28/24 08:00 Date Received: 03/29/24 07:55

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260B			2765	СМ	EET ALB	04/04/24 03:53
Total/NA	Analysis	8260B		20	2836	CM	EET ALB	04/04/24 19:41
Total/NA	Prep	3510C			2561	JM	EET ALB	04/01/24 12:47
Total/NA	Analysis	8270C SIM		1	3961	SB	EET ALB	04/26/24 01:36
Total/NA	Prep	504.1			2602	DH	EET ALB	04/02/24 09:39
Total/NA	Analysis	504.1		1	2698	DH	EET ALB	04/02/24 16:16
Total/NA	Prep	3510C			2567	JM	EET ALB	04/01/24 13:57
Total/NA	Analysis	8082A		1	2880	PD	EET ALB	04/05/24 13:58
Total/NA	Analysis	300.0		1	2546	SS	EET ALB	03/29/24 14:11
Total/NA	Analysis	300.0		1	2547	SS	EET ALB	03/29/24 14:11
Total/NA	Analysis	300.0		20	2546	SS	EET ALB	03/29/24 14:23
Dissolved	Analysis	200.7 Rev 4.4		1	2543	VP	EET ALB	04/01/24 09:18
Dissolved	Analysis	200.7 Rev 4.4		5	2543	VP	EET ALB	04/01/24 09:20
Dissolved	Analysis	200.8		1	2681	BV	EET ALB	04/02/24 14:45
Total/NA	Prep	245.1			3020	JR	EET ALB	04/10/24 10:28
Total/NA	Analysis	245.1		1	3200	JR	EET ALB	04/11/24 13:37
Total/NA	Analysis	2540C		1	2642	JU	EET ALB	04/02/24 11:29
Total/NA	Prep	Distill/Phenol			2579	JM	EET ALB	04/02/24 06:51
Total/NA	Cleanup	9067			2651		EET ALB	04/02/24 12:16 - 04/02/24 14:15 1
Total/NA	Analysis	9067		1	2665	JM	EET ALB	04/02/24 14:15
Total/NA	Analysis	Kelada 01		1	154161	ADL	EET HOU	04/10/24 13:30
Total/NA	Analysis	SM 2320B		1	2999	DL	EET ALB	04/10/24 00:45
Total/NA	Analysis	SM 4500 H+ B		1	3000	DL	EET ALB	04/10/24 00:45
Total/NA	Prep	PrecSep-21			655144	KAK	EET SL	04/03/24 10:04
Total/NA	Analysis	903.0		1	658856	SCB	EET SL	04/26/24 15:01
Total/NA	Prep	PrecSep_0			655146		EET SL	04/03/24 10:09
Total/NA	Analysis	904.0		1	658667	SCB	EET SL	04/25/24 12:02

**Client Sample ID: Trip Blank** Date Collected: 03/28/24 00:00 Date Received: 03/29/24 07:55

Released to Imaging: 7/3/2024 2:42:05 PM

Lab Sample ID: 885-2017-2

**Matrix: Water** 

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260B		1	2765	СМ	EET ALB	04/04/24 04:18
Total/NA	Prep	504.1			2602	DH	<b>EET ALB</b>	04/02/24 09:39
Total/NA	Analysis	504.1		1	2698	DH	EET ALB	04/02/24 16:33

This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

#### **Laboratory References:**

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975 EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

**Authority** 

## **Accreditation/Certification Summary**

Client: Wayne Price LLC Job ID: 885-2017-1

**Identification Number** 

**Expiration Date** 

Project/Site: BW04 MW1

### **Laboratory: Eurofins Albuquerque**

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

**Program** 

New Mexico	State	NM9425, NM0901	02-26-25
The following analytes a	re included in this report, but the laborate	ory is not certified by the governing authority	. This list may include analytes

Analysis Method	Prep Method	Matrix	Analyte
200.7 Rev 4.4	·	Water	Aluminum
200.7 Rev 4.4		Water	Barium
200.7 Rev 4.4		Water	Beryllium
200.7 Rev 4.4		Water	Boron
200.7 Rev 4.4		Water	Cadmium
200.7 Rev 4.4		Water	Chromium
200.7 Rev 4.4		Water	Cobalt
200.7 Rev 4.4		Water	Copper
200.7 Rev 4.4		Water	Iron
200.7 Rev 4.4		Water	Manganese
200.7 Rev 4.4		Water	Molybdenum
200.7 Rev 4.4		Water	Nickel
200.7 Rev 4.4		Water	Silver
200.7 Rev 4.4		Water	Zinc
200.8		Water	Antimony
200.8		Water	Arsenic
200.8		Water	Lead
200.8		Water	Selenium
200.8		Water	Thallium
200.8		Water	Uranium
245.1	245.1	Water	Mercury
2540C		Water	Total Dissolved Solids
300.0		Water	Bromide
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Nitrate Nitrite as N
300.0		Water	Sulfate
504.1	504.1	Water	1,2-Dibromoethane (EDB)
8082A	3510C	Water	PCB-1016
8082A	3510C	Water	PCB-1221
8082A	3510C	Water	PCB-1232
8082A	3510C	Water	PCB-1242
8082A	3510C	Water	PCB-1248
8082A	3510C	Water	PCB-1254
8082A	3510C	Water	PCB-1260
8260B	33100	Water	1,1,1,2-Tetrachloroethane
8260B		Water	1,1,1-Trichloroethane
8260B		Water	1,1,2,2-Tetrachloroethane
8260B		Water	1,1,2-Trichloroethane
8260B		Water	1,1-Dichloroethane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,1-Dichloropropene
8260B		Water	1,2,3-Trichlerenzene
8260B		Water	1,2,3-Trichloropropane
8260B		Water	1,2,4-Trichlorobenzene

## **Accreditation/Certification Summary**

Client: Wayne Price LLC Job ID: 885-2017-1

Project/Site: BW04 MW1

## **Laboratory: Eurofins Albuquerque (Continued)**

ority	Progr	am	Identification Number Expiration Date
The following analytes	s are included in this repo	ort, but the laboratory is r	not certified by the governing authority. This list may include ana
	does not offer certification	-	, , , , ,
Analysis Method	Prep Method	Matrix	Analyte
8260B	·	Water	1,2,4-Trimethylbenzene
8260B		Water	1,2-Dibromo-3-Chloropropane
8260B		Water	1,2-Dibromoethane (EDB)
8260B		Water	1,2-Dichlorobenzene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,2-Dichloropropane
8260B		Water	1,3,5-Trimethylbenzene
8260B		Water	1,3-Dichlorobenzene
8260B		Water	1,3-Dichloropropane
8260B		Water	1,4-Dichlorobenzene
8260B		Water	1-Methylnaphthalene
8260B		Water	2,2-Dichloropropane
8260B		Water	2-Butanone
8260B		Water	2-Chlorotoluene
8260B		Water	2-Hexanone
8260B		Water	2-Methylnaphthalene
8260B		Water	4-Chlorotoluene
8260B			
		Water	4-Isopropyltoluene
8260B		Water	4-Methyl-2-pentanone
8260B		Water	Benzene
8260B		Water	Bromobenzene
8260B		Water	Bromodichloromethane
8260B		Water	Bromoform
8260B		Water	Bromomethane
8260B		Water	Carbon disulfide
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroethane
8260B		Water	Chloroform
8260B		Water	Chloromethane
8260B		Water	cis-1,2-Dichloroethene
8260B		Water	cis-1,3-Dichloropropene
8260B		Water	Dibromochloromethane
8260B		Water	Dibromomethane
8260B		Water	Dichlorodifluoromethane
8260B		Water	Ethylbenzene
8260B		Water	Hexachlorobutadiene
8260B		Water	Isopropylbenzene
8260B		Water	Methylene Chloride
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Naphthalene
8260B		Water	n-Butylbenzene
8260B		Water	N-Propylbenzene
8260B		Water	sec-Butylbenzene
8260B		Water	Styrene
8260B		Water	tert-Butylbenzene
8260B		Water	Tetrachloroethene (PCE)

## **Accreditation/Certification Summary**

Client: Wayne Price LLC Job ID: 885-2017-1

Project/Site: BW04 MW1

#### **Laboratory: Eurofins Albuquerque (Continued)**

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

ority	Progr	am	Identification Number Expiration Date
,	s are included in this repo does not offer certification	•	not certified by the governing authority. This list may include analyte
Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	Toluene
8260B		Water	trans-1,2-Dichloroethene
8260B		Water	trans-1,3-Dichloropropene
8260B		Water	Trichloroethene (TCE)
8260B		Water	Trichlorofluoromethane
8260B		Water	Vinyl chloride
8260B		Water	Xylenes, Total
8270C SIM	3510C	Water	1-Methylnaphthalene
8270C SIM	3510C	Water	2-Methylnaphthalene
8270C SIM	3510C	Water	Atrazine
8270C SIM	3510C	Water	Benzo[a]pyrene
8270C SIM	3510C	Water	Naphthalene
8270C SIM	3510C	Water	Pentachlorophenol
9067	Distill/Phenol	Water	Phenolics, Total Recoverable
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3
SM 4500 H+ B		Water	pH

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

NM100001

02-26-25

Analysis Method	Prep Method	Matrix	Analyte
504.1	504.1	Water	1,2-Dibromoethane (EDB)
8270C SIM	3510C	Water	1-Methylnaphthalene
8270C SIM	3510C	Water	Atrazine
8270C SIM	3510C	Water	Pentachlorophenol
9067	Distill/Phenol	Water	Phenolics, Total Recoverable
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3

#### **Laboratory: Eurofins Houston**

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

**NELAP** 

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-24
Florida	NELAP	E871002	06-30-24
Louisiana (All)	NELAP	03054	06-30-24
Oklahoma	NELAP	1306	08-31-24
Oklahoma	State	2023-139	08-31-24
Texas	NELAP	T104704215	06-30-24
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

#### **Laboratory: Eurofins St. Louis**

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Oregon

Eurofins Albuquerque

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## **Accreditation/Certification Summary**

Client: Wayne Price LLC Job ID: 885-2017-1

Project/Site: BW04 MW1

### **Laboratory: Eurofins St. Louis (Continued)**

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-08-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-24
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-24
HI - RadChem Recognition	State	n/a	06-30-24
Illinois	NELAP	200023	11-30-24
lowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-24
Kentucky (DW)	State	KY90125	12-31-24
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-24
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-24
Louisiana (DW)	State	LA011	12-31-24
Maryland	State	310	09-30-24
Massachusetts	State	M-MO054	06-30-24
MI - RadChem Recognition	State	9005	06-30-24
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-24
New Jersey	NELAP	MO002	06-30-24
New Mexico	State	MO00054	06-30-24
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-24
North Dakota	State	R-207	06-30-24
Oklahoma	NELAP	9997	08-31-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	06-30-24
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-24
Virginia	NELAP	10310	06-15-25
Washington	State	C592	08-30-24
West Virginia DEP	State	381	10-31-24

 $<sup>^{\</sup>star} \ \text{Accreditation/Certification renewal pending - accreditation/certification considered valid}.$ 

Page 36 of 42

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

ANALYSIS LABORA  www.hallenvironmental.com  4901 Hawkins NE - Albuquerque, NM 87109  R85-2017 COC  Tel. 505-345-3975 Fax 505-345-4107  Analysis Request	EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals CI, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> 8260 (VOA) Total Coliform (Present/Absent) VQCC 3103fk(Tf, 18)		ON ICE HEAL ATTACHED LIST
4901 Ha	BTEX / MTBE / TMB's (8021) TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's		Remarks: ALL SEE
Turn-Around Time:  ■ Standard □ Rush Project Name:    SNO4 NN I   Project #:	ayne Phice Jr. TER WAYNG PRICE JR Tes INO MONTH (°C) INGGEN: 11 -01 = 1.0 (°C) Servative HEAL NO. e	レに	V. Via. Date Time Shalful 1555  Course 3papa 15
Chain-of-Custody Record Client: Wasserhound Inc. Mailing Address: PRICE LLC 7 SYCAMORE LN PALENWOOD NM 88039 Phone #: 1-505-715-2809	email or Fax#: Way Ne price Q, Com 69qma, N <sup>504</sup> QA/QC Package:  ■ Standard □ Level 4 (Full Validation)  Accreditation: □ Az Compliance □ NELAC □ Other □ EDD (Type) □ Date   Time   Matrix   Sample Name	S Staslay Stockylliguo MW1	Date. Time. (M. Relinquished by:  Date: Time Relinquished by:  M.M.M.M.  M.M.M.  M.M.M.M.  M.M.M.M.  M.M.M.  M.M.M.  M.M.M.  M.M.  M.M.

**Environment Testing** 

💸 eurofins

Chain of Custody Record

Phone: 505-345-3975 Fax: 505-345-4107

Albuquerque, NM 87109

4901 Hawkins NE

**Eurofins Albuquerque** 

Ver: 06/08/202

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratory or other instructions will be provided. Any changes to laboratory or other instructions will be provided. Any changes to accreditation in the State of Origin listed above for analysis/lests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC alteration in the State of Origin Islang South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC. S - H2SO4 T - TSP Dodecahydra Special Instructions/Note: other (specify) O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 U - Acetone W - pH 4-5 Months Y - Trizma V - MCAA ompany Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon 885-2017-1 Preservation Codes: G - Amchlor H - Ascorbic Acid A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4 Page 1 of 1 COC No: 885-262.1 I - Ice J - Di Water F - MeOH K - EDTA L - EDA Total Number of containers 2 APR 0 Date/Time Method of Shipment Disposal By Lab State of Origin New Mexico **Analysis Requested** Cooler Temperature(s) °C and Other Remarks Special Instructions/QC Requirements: Accreditations Required (See note):
NELAP - Oregon; State - New Mexico Lab PM: Shaw, Tiffany E-Mait tiffany shaw@et eurofinsus.com Received by eceived by 904.0/PrecSep\_0 Rad-228 × 903.0/PrecSep\_21 Ra-226 × Perform MS/MSD (Yes or No) me BT=Tissue, A=Al Matrix (W=water, S=solid, O=waste/oil, Preservation Code: Water Sompany Company Type (C=comp, G=grab) Sample Primary Deliverable Rank: 2 M Sample 08:00 Date TAT Requested (days) Due Date Requested: 4/10/2024 Sample Date Sate/Jime 4/1/2 y 3/28/24 Project #: 88501264 Date/Time Date/Time Phone: Client Information (Sub Contract Lab) Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No. Sample Identification - Client ID (Lab ID) 314-298-8566(Tel) 314-298-8757(Fax) Possible Hazard Identification estAmerica Laboratories, Inc Empty Kit Relinquished by: 13715 Rider Trail North, Custody Seals Intact: Shipping/Receiving A Yes A No MW1 (885-2017-1) elinquished by: State, Zip: MO, 63045 elinquished by Unconfirmed linquished by BW04 MW1 Earth City

4901 Hawkins NE Albuquerque, NM 87109

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**Eurofins Albuquerque** 

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Chain of Custody Record

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🔆 eurofins

Environment Testing

Project Name: BW04 MW1 State, Ztp: TX, 77477 Sample Identification Client ID (Lab ID) Stafford Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compilance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the aboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC aboratory or other instructions will be provided. Any changes is accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compilance to Eurofins Environment Testing South Central, LLC attention immediately. Phone: 505-345-3975 Fax: 505-345-4107 Deliverable Requested | II III IV Other (specify) Possible Hazard Identification WW1 (885-2017 1) 281-240-4200(Tel) Client Information (Sub Contract Lab) Refinquished by: elinquished by: 1145 Greenbriar Dr mpty Kit Relinquished by nipping/Receiving Custody Seals Intact. linquished by: rconfirmed rofins Environment Testing South Centre ĕ ĕ Custody Seal No Project #: 88501264 Date/Time: Sampler Primary Deliverable Rank: 2 TAT Requested (days): SOM# Date Requested: 3/28/24 124 Date: Mountain Sample 9 9 9 (C=comp, G=grab) Sample Type Preservation Code: Company Company Matrix Water Lab PM. Shaw Tiffany tiffany.shaw@et.eurofinsus.com Time: Field Filtered Sample (Yes or No) Accreditations Required (See note):
NELAP Oregon State New Mexico Perform MS/MSD (Yes or No) Special Instructions/QC Requirements Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Month Received by: Received by: Kelada\_01 Cooler Temperati × ge(s) "C and Other Remarks: Analysis Requested ż State of Origin: New Mexico Carrier Tracking No(s) Method of Shipment Date/Time: Date/Time: چر ىر 7 Total Number of containers B NaOH
C Zn Acetate
D Nifre Acetate
D Nifre Acetate
E NaHSO4
F MeOH
G AmcHor
H Assorbic Acid
I log
J Di Warter
K EDTA
L EDA Page 1 of 1 COC No: 885-272.1 TITIOCO⊅ Preservation Codes 885-2017 1 5.5 돧 Special Instructions/Note: Company Ver- 06/08/2021 Company M Hexane
V None
V None
O Ashbo2
O Ashbo2
O Ashbo2
O Assess
O Na2SO3
O Na2SO other (specify) Months

### **Login Sample Receipt Checklist**

Client: Wayne Price LLC Job Number: 885-2017-1

Login Number: 2017 List Source: Eurofins Albuquerque

List Number: 1

HTs)

Creator: Lowman, Nick

Answer Comment Question The cooler's custody seal, if present, is intact. True Sample custody seals, if present, are intact. True The cooler or samples do not appear to have been compromised or True tampered with. Samples were received on ice. True Cooler Temperature is acceptable. True Cooler Temperature is recorded. True COC is present. True True COC is filled out in ink and legible. COC is filled out with all pertinent information. True

There are no discrepancies between the containers received and the COC. False Received Trip Blank(s) not listed on COC. Samples are received within Holding Time (excluding tests with immediate True

True

True

True

True

True True

True

True

True

Appropriate sample containers are used.

Sample bottles are completely filled.

Sample Preservation Verified.

There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs

Is the Field Sampler's name present on COC?

Sample containers have legible labels.

Sample collection date/times are provided.

Containers are not broken or leaking.

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

### **Login Sample Receipt Checklist**

Client: Wayne Price LLC Job Number: 885-2017-1

Login Number: 2017 **List Source: Eurofins Houston** List Number: 3 List Creation: 04/03/24 12:34 PM

**Creator: Grandits, Corey** 

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
ls the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

## **Login Sample Receipt Checklist**

Client: Wayne Price LLC Job Number: 885-2017-1

Login Number: 2017
List Source: Eurofins St. Louis
List Number: 2
List Creation: 04/02/24 01:40 PM

Creator: Pinette, Meadow L

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

COMMENTS

Action 338873

#### **COMMENTS**

Operator:	OGRID:		
WASSERHUND INC	130851		
P.O. Box 2140	Action Number:		
Lovington, NM 88260	338873		
	Action Type:		
	[UF-DP] Brine Facility Discharge Plan (DISCHARGE PLAN BRINE EXTRACTION)		

#### COMMENTS

Created By	Comment	Comment Date
cchavez	MW-1 Install and Water Media WQCC Sampling December 2023	7/3/2024

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 338873

#### **CONDITIONS**

Operator:	OGRID:
WASSERHUND INC	130851
P.O. Box 2140	Action Number:
Lovington, NM 88260	338873
	Action Type:
	[UF-DP] Brine Facility Discharge Plan (DISCHARGE PLAN BRINE EXTRACTION)

#### CONDITIONS

Created By	Condition	Condition Date
cchavez	None	7/3/2024