

TABLE D-1
SUMMARY OF QUALIFIERS
OU1 REBOUND STUDY LETTER REPORT - QUARTER 2

SDG	Field ID	Analysis	Analyte	Qualifier	Comments
280-134091	EW7-PM21A-2-25	Explosives	2-amino-4,6-dinitrotoluene	J	Low LCS/LCSD Recovery
280-134091	EW7-PM21A-2-25	Explosives	2-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134091	EW7-PM21A-2-25	Explosives	3-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134091	EW7-PM21A-2-25	Explosives	4-amino-2,6-dinitrotoluene	UJ	Low LCS/LCSD Recovery
280-134091	EW7-PM21A-2-25	Explosives	4-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134091	EW7-PM22A-2-25	Explosives	2-amino-4,6-dinitrotoluene	J	Low LCS/LCSD Recovery
280-134091	EW7-PM22A-2-25	Explosives	2-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134091	EW7-PM22A-2-25	Explosives	3-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134091	EW7-PM22A-2-25	Explosives	4-amino-2,6-dinitrotoluene	J	Low LCS/LCSD Recovery
280-134091	EW7-PM22A-2-25	Explosives	4-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134091	EW7-PM23A-2-25	Explosives	2-amino-4,6-dinitrotoluene	J	Low LCS/LCSD Recovery
280-134091	EW7-PM23A-2-25	Explosives	2-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134091	EW7-PM23A-2-25	Explosives	3-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134091	EW7-PM23A-2-25	Explosives	4-amino-2,6-dinitrotoluene	UJ	Low LCS/LCSD Recovery
280-134091	EW7-PM23A-2-25	Explosives	4-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134091	EW7-PM523A-2-25	Explosives	2-amino-4,6-dinitrotoluene	J	Low LCS/LCSD Recovery
280-134091	EW7-PM523A-2-25	Explosives	2-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134091	EW7-PM523A-2-25	Explosives	3-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134091	EW7-PM523A-2-25	Explosives	4-amino-2,6-dinitrotoluene	UJ	Low LCS/LCSD Recovery
280-134091	EW7-PM523A-2-25	Explosives	4-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134091	EW7-PM22A-2-25	Explosives	RDX	UJ	Low Surrogate Recovery
280-134091	EW7-PM23A-2-25	Explosives	1,3,5-trinitrobenzene	J	Low Surrogate Recovery
280-134091	EW7-PM23A-2-25	Explosives	2,4,6-Trinitrobenzene	J	Low Surrogate Recovery
280-134091	EW7-PM23A-2-25	Explosives	2,4-dinitrotoluene	J	Low Surrogate Recovery
280-134091	EW7-PM23A-2-25	Explosives	2,6-dinitrotoluene	UJ	Low Surrogate Recovery
280-134091	EW7-PM23A-2-25	Explosives	2-amino-4,6-dinitrotoluene	J	Low Surrogate Recovery

Notes:

% = percent

CCV = continuing calibration verification

HMX = octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine

ID = identification number

J = estimated

LCS = laboratory control sample

LOQ = limit of quantitation

MB = method blank

mm = millimeters

MNX = mono-nitroso-RDX

MS = matrix spike

MSD = matrix spike duplicate

RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine

RL = reporting limit

RPD = relative percent difference

RSK = Robert S. Kerr Environmental Research Laboratory

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280-134091	EW7-PM23A-2-25	Explosives	3-nitrotoluene	UJ	Low Surrogate Recovery
280-134091	EW7-PM23A-2-25	Explosives	4-amino-2,6-dinitrotoluene	UJ	Low Surrogate Recovery
280-134091	EW7-PM23A-2-25	Explosives	4-nitrotoluene	UJ	Low Surrogate Recovery
280-134091	EW7-PM23A-2-25	Explosives	MNX	UJ	Low Surrogate Recovery
280-134091	EW7-PM23A-2-25	Explosives	HMX	J	Low Surrogate Recovery
280-134091	EW7-PM23A-2-25	Explosives	Nitrobenzene	UJ	Low Surrogate Recovery
280-134091	EW7-PM23A-2-25	Explosives	RDX	J	Low Surrogate Recovery
280-134091	EW7-PM23A-2-25	Explosives	Tetryl	UJ	Low Surrogate Recovery
280-134091	EW7-PM523A-2-25	Explosives	1,3,5-trinitrobenzene	J	Low Surrogate Recovery
280-134091	EW7-PM523A-2-25	Explosives	2,4,6-trinitrotoluene	J	Low Surrogate Recovery
280-134091	EW7-PM523A-2-25	Explosives	2,4-dinitrotoluene	J	Low Surrogate Recovery
280-134091	EW7-PM523A-2-25	Explosives	2,6-dinitrotoluene	UJ	Low Surrogate Recovery
280-134091	EW7-PM523A-2-25	Explosives	2-amino-4,6-dinitrotoluene	J	Low Surrogate Recovery
280-134091	EW7-PM523A-2-25	Explosives	2-nitrotoluene	UJ	Low Surrogate Recovery
280-134091	EW7-PM523A-2-25	Explosives	3-nitrotoluene	UJ	Low Surrogate Recovery
280-134091	EW7-PM523A-2-25	Explosives	4-amino-2,6-dinitrotoluene	UJ	Low Surrogate Recovery
280-134091	EW7-PM523A-2-25	Explosives	4-nitrotoluene	UJ	Low Surrogate Recovery
280-134091	EW7-PM523A-2-25	Explosives	MNX	UJ	Low Surrogate Recovery
280-134091	EW7-PM523A-2-25	Explosives	HMX	J	Low Surrogate Recovery

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280-134091	EW7-PM523A-2-25	Explosives	Nitrobenzene	UJ	Low Surrogate Recovery
280-134091	EW7-PM523A-2-25	Explosives	RDX	J	Low Surrogate Recovery
280-134091	EW7-PM523A-2-25	Explosives	Tetryl	UJ	Low Surrogate Recovery
280-134091	EW7-PM23A-2-25	Explosives	MNX	UJ	RPD above 40% between primary and confirmation columns
280-134091	EW7-PM23A-2-25	Explosives	2,4-dinitrotoluene	J	RPD above 40% between primary and confirmation columns
280-134091	EW7-PM23A-2-25	Explosives	2-amino-4,6-dinitrotoluene	J	RPD above 40% between primary and confirmation columns
280-134091	EW7-PM523A-2-25	Explosives	MNX	UJ	RPD above 40% between primary and confirmation columns
280-134091	EW7-PM523A-2-25	Explosives	2-amion-4,6-dinitrotoluene	J	RPD above 40% between primary and confirmation columns
280-134091	EW7-PM21A-2-25	Explosives	HMX	J	RPD above 40% between primary and confirmation columns
280-134091	EW7-PM21A-2-25	Explosives	RDX	J	RPD above 40% between primary and confirmation columns
280-134091	EW7-PM22A-2-25	Explosives	4-amino-2,6-dinitrotoluene	J	RPD above 40% between primary and confirmation columns
280-134091	EW7-PM23A-2-25	RSK-175	Methane	J	Field Duplicate RPD
280-134091	EW7-PM523A-2-25	RSK-175	Methane	J	Field Duplicate RPD
280-134091	EW7-PM23A-2-25	TKN	TKN	UJ	Low MS/MSD Recovery
280-134063	OS001-DP02-25	Explosives	HMX	J	RPD above 40% between primary and confirmation columns
280-134063	OS001-DP02-25	Explosives	2-amion-4,6-dinitrotoluene	J	Low LCS/LCSD Recovery
280-134063	OS001-DP02-25	Explosives	2-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134063	OS001-DP02-25	Explosives	3-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134063	OS001-DP02-25	Explosives	4-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134063	OS001-DP02-25	Explosives	4-amino-2,6-dinitrotoluene	UJ	Low LCS/LCSD Recovery
280-134063	OS001-DP02-35	Explosives	2-amion-4,6-dinitrotoluene	J	Low LCS/LCSD Recovery
280-134063	OS001-DP02-35	Explosives	2-nitrotoluene	UJ	Low LCS/LCSD Recovery

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280-134063	OS001-DP02-35	Explosives	3-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134063	OS001-DP02-35	Explosives	4-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134063	OS001-DP02-35	Explosives	4-amino-2,6-dinitrotoluene	UJ	Low LCS/LCSD Recovery
280-134063	OS001-DP02-45	Explosives	2-amion-4,6-dinitrotoluene	J	Low LCS/LCSD Recovery
280-134063	OS001-DP02-45	Explosives	2-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134063	OS001-DP02-45	Explosives	3-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134063	OS001-DP02-45	Explosives	4-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134063	OS001-DP02-45	Explosives	4-amino-2,6-dinitrotoluene	UJ	Low LCS/LCSD Recovery
280-134063	OS001-DP502-25	Explosives	2-amion-4,6-dinitrotoluene	J	Low LCS/LCSD Recovery
280-134063	OS001-DP502-25	Explosives	2-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134063	OS001-DP502-25	Explosives	3-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134063	OS001-DP502-25	Explosives	4-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134063	OS001-DP502-25	Explosives	4-amino-2,6-dinitrotoluene	UJ	Low LCS/LCSD Recovery
280-134063	OS001-DP02-45	Explosives	1,3,5-trinitrobenzene	J	Low MS/MSD Recovery
280-134063	OS001-DP02-45	Explosives	2-nitrotoluene	UJ	Low MS/MSD Recovery
280-134268	CA210-2	Ammonia	Ammonia	U	Method Blank Contamination
280-134268	CA211-2	Ammonia	Ammonia	U	Method Blank Contamination
280-134268	CA212-2	Ammonia	Ammonia	U	Method Blank Contamination
280-134268	NW080R-2	Ammonia	Ammonia	U	Method Blank Contamination
280-134268	NW081R-2	Ammonia	Ammonia	U	Method Blank Contamination
280-134268	CA211-2	Sulfide	Sulfide	U	Method Blank Contamination
280-134268	NW062-2	Sulfide	Sulfide	U	Method Blank Contamination

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280-134268	NW080R-2	Sulfide	Sulfide	U	Method Blank Contamination
280-134268	PZ019-2	TKN	TKN	UJ	Low MS/MSD Recovery
280-134268	G0080-2	Anions	Nitrate-Nitrite	J	Low MS/MSD Recovery
280-134268	PZ019-2	Anions	Nitrate-Nitrite	J	Low MS/MSD Recovery
280-134268	CA210-2	Explosives	All explosives	UJ	Low Surrogate Recovery
280-134268	NW070-2	Explosives	All explosives	UJ	Low Surrogate Recovery
280-134268	PZ019-2	Explosives	2-nitrotoluene	UJ	Low MS/MSD Recovery
280-134268	PZ019-2	Explosives	3-nitrotoluene	UJ	Low MS/MSD Recovery
280-134268	PZ019-2	Explosives	4-amino-2,6-dinitrotoluene	UJ	Low MS/MSD Recovery
280-134268	PZ019-2	Explosives	4-nitrotoluene	UJ	Low MS/MSD Recovery
280-134268	PZ019-2	Explosives	Nitrobenzene	UJ	Low MS/MSD Recovery
280-134268	PZ019-2	RSK-175	Methane	UJ	Low MS/MSD Recovery
280-134141	EW7-PM26A-2-25	Explosives	2,4,6-trinitrotoluene	J	High Surrogate Recovery
280-134141	EW7-PM26A-2-25	Explosives	2-nitrotoluene	J	High Surrogate Recovery
280-134141	EW7-PM26A-2-25	Explosives	HMX	J	High Surrogate Recovery
280-134141	EW7-PM24A-2-25	Explosives	HMX	J	RPD above 40% between primary and confirmation columns
280-134141	EW7-PM24A-2-25	Explosives	RDX	J	RPD above 40% between primary and confirmation columns
280-134177	EW7-PM29B-2-35	RSK-175	Methane	J	Headspace greater than 6mm.
280-134177	EW7-PM29A-2-25	Explosives	HMX	J	RPD above 40% between primary and confirmation columns
280-134177	EW7-PM29A-2-25	Explosives	2-amino-4,6-dinitrotoluene	J	RPD above 40% between primary and confirmation columns
280-134177	EW7-PM29A-2-25	Explosives	2-nitrotoluene	J	RPD above 40% between primary and confirmation columns
280-134177	EW7-PM28A-2-25	Explosives	HMX	J	RPD above 40% between primary and confirmation columns

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SDG	Field ID	Analysis	Analyte	Qualifier	Comments
280-134177	EW7-PM28A-2-25	Explosives	RDX	J	RPD above 40% between primary and confirmation columns
280-134177	EW7-PM28A-2-25	Explosives	4-amino-2,6-dinitrotoluene	J	RPD above 40% between primary and confirmation columns
280-134177	EW7-PM27B-2-35	Explosives	2,4,6-trinitrotoluene	J	RPD above 40% between primary and confirmation columns
280-134177	EW7-PM27B-2-35	Explosives	4-amino-2,6-dinitrotoluene	J	RPD above 40% between primary and confirmation columns
280-134177	EW7-PM27B-2-35	Explosives	2-amino-4,6-dinitrotoluene	J	RPD above 40% between primary and confirmation columns
280-134177	EW7-PM27B-2-35	Explosives	1,3,5-trinitrobenzene	UJ	Low Surrogate Recovery
280-134177	EW7-PM27B-2-35	Explosives	1,3-dinitrobenzene	UJ	Low Surrogate Recovery
280-134177	EW7-PM27B-2-35	Explosives	2,4-dinitrotoluene	UJ	Low Surrogate Recovery
280-134177	EW7-PM27B-2-35	Explosives	2,6-dinitrotoluene	UJ	Low Surrogate Recovery
280-134177	EW7-PM27B-2-35	Explosives	2-amino-4,6-dinitrotoluene	J	Low Surrogate Recovery
280-134177	EW7-PM27B-2-35	Explosives	2-nitrotoluene	UJ	Low Surrogate Recovery
280-134177	EW7-PM27B-2-35	Explosives	3-nitrotoluene	UJ	Low Surrogate Recovery
280-134177	EW7-PM27B-2-35	Explosives	4-amino-2,6-dinitrotoluene	J	Low Surrogate Recovery
280-134177	EW7-PM27B-2-35	Explosives	4-nitrotoluene	UJ	Low Surrogate Recovery
280-134177	EW7-PM27B-2-35	Explosives	Nitrobenzene	UJ	Low Surrogate Recovery
280-134177	EW7-PM27B-2-35	Explosives	Tetryl	UJ	Low Surrogate Recovery
280-134177	EW7-PM28A-2-25	Explosives	1,3,5-trinitrobenzene	J	Low Surrogate Recovery
280-134177	EW7-PM28A-2-25	Explosives	1,3-dinitrobenzene	UJ	Low Surrogate Recovery
280-134177	EW7-PM28A-2-25	Explosives	2,4,6-trinitrotoluene	J	Low Surrogate Recovery
280-134177	EW7-PM28A-2-25	Explosives	2,6-dinitrotoluene	UJ	Low Surrogate Recovery
280-134177	EW7-PM28A-2-25	Explosives	2-amino-4,6-dinitrotoluene	J	Low Surrogate Recovery
280-134177	EW7-PM28A-2-25	Explosives	2-nitrotoluene	UJ	Low Surrogate Recovery

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280-134177	EW7-PM28A-2-25	Explosives	4-amino-2,6-dinitrotoluene	J	Low Surrogate Recovery
280-134177	EW7-PM28A-2-25	Explosives	4-nitrotoluene	UJ	Low Surrogate Recovery
280-134177	EW7-PM28A-2-25	Explosives	Tetryl	UJ	Low Surrogate Recovery
280-134177	EW7-PM29B-2-35	Explosives	2-amino-4,6-dinitrotoluene	J	High Surrogate Recovery
280-134177	EW7-PM29B-2-35	Explosives	2-nitrotoluene	J	High Surrogate Recovery
280-134202	EW7-PM23B-2-35	Explosives	All explosives	J/UJ	Low Surrogate Recovery
280-134202	EW7-PM25B-2-35	Explosives	All explosives	UJ	Low Surrogate Recovery
280-134202	G0081-2	Explosives	All explosives	J/UJ	Low Surrogate Recovery
280-134202	G0070-2	Explosives	1,3,5-trinitrobenzene	UJ	Low MS/MSD Recovery
280-134202	G0070-2	Explosives	2,4,6-trinitrotoluene	UJ	Low MS/MSD Recovery
280-134202	G0070-2	Explosives	2,6-dinitrotoluene	UJ	Low MS/MSD Recovery
280-134202	G0070-2	Explosives	2-amino-4,6-dinitrotoluene	UJ	Low MS/MSD Recovery
280-134202	G0070-2	Explosives	2-nitrotoluene	UJ	Low MS/MSD Recovery
280-134202	G0070-2	Explosives	3-nitrotoluene	UJ	Low MS/MSD Recovery
280-134202	G0070-2	Explosives	4-amino-2,6-dinitrotoluene	UJ	Low MS/MSD Recovery
280-134202	G0070-2	Explosives	4-nitrotoluene	UJ	Low MS/MSD Recovery
280-134202	G0070-2	Explosives	RDX	UJ	Low MS/MSD Recovery
280-134202	G0070-2	Explosives	Tetryl	UJ	Low MS/MSD Recovery
280-134202	G0081-2	Explosives	2-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134202	G0081-2	Explosives	3-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134202	G0081-2	Explosives	4-nitrotoluene	UJ	Low LCS/LCSD Recovery

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280-134202	G0082-2	Explosives	3-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134202	G0082-2	Explosives	4-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134202	G0092-2	Explosives	2-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134202	G0092-2	Explosives	3-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134202	G0092-2	Explosives	4-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134202	NW060-2	Explosives	2-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134202	NW060-2	Explosives	3-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134202	NW060-2	Explosives	4-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134202	NW061-2	Explosives	2-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134202	NW061-2	Explosives	3-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134202	NW061-2	Explosives	4-nitrotoluene	UJ	Low LCS/LCSD Recovery
280-134202	EW7-PM22B-2-35	RSK-175	Methane	J	High MS/MSD Recovery
280-134202	G0070-2	RSK-175	Methane	UJ	Low MS/MSD Recovery
280-134202	EW7-PM22B-2-35	TKN	TKN	J	Low MS/MSD Recovery
280-134202	G0070-2	TKN	TKN	UJ	Low MS/MSD Recovery
280-134202	NW060-2	TKN	TKN	UJ	Low MS/MSD Recovery
280-134202	G0091-2	Anions	Nitrate-Nitrite	J	Low MS/MSD Recovery
280-134202	EW7-PM22B-2-35	Sulfide	Sulfide	U	Method Blank Contamination
280-134202	EW7-PM23B-2-35	Sulfide	Sulfide	U	Method Blank Contamination
280-134202	EW7-PM24B-2-35	Sulfide	Sulfide	U	Method Blank Contamination
280-134202	EW7-PM26B-2-35	Sulfide	Sulfide	U	Method Blank Contamination

Notes:

% = percent

CCV = continuing calibration verification

HMX = octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine

ID = identification number

J = estimated

LCS = laboratory control sample

LOQ = limit of quantitation

MB = method blank

mm = millimeters

MNX = mono-nitroso-RDX

MS = matrix spike

MSD = matrix spike duplicate

RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine

RL = reporting limit

RPD = relative percent difference

RSK = Robert S. Kerr Environmental Research Laboratory

SDG = sample delivery group

TKN = Total Kjeldahl Nitrogen

U = nondetect

UJ = estimated nondetect

VOC = volatile organic compound

TABLE D-1
SUMMARY OF QUALIFIERS
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SDG	Field ID	Analysis	Analyte	Qualifier	Comments
280-134202	G0070-2	Sulfide	Sulfide	U	Method Blank Contamination
280-134202	G0075-2	Sulfide	Sulfide	U	Method Blank Contamination
280-134202	G0076-2	Sulfide	Sulfide	U	Method Blank Contamination
280-134202	G0079-2	Sulfide	Sulfide	U	Method Blank Contamination
280-134202	EW7-PM24B-2-35	DOC	DOC	J	Low MS/MSD Recovery
280-134202	EW7-PM22B-2-35	DOC	DOC	J	Low MS/MSD Recovery
280-134297	G0086-2	Explosives	1,3,5-trinitrobenzene	J	High Surrogate Recovery
280-134297	G0086-2	Explosives	2,4,6-trinitrotoluene	J	High Surrogate Recovery
280-134297	G0086-2	Explosives	2-amino-4,6-dinitrotoluene	J	High Surrogate Recovery
280-134297	PZ021-2	Explosives	All explosives	J/UJ	Low Surrogate Recovery
280-134297	NW022-2	Explosives	Nitrobenzene	UJ	Low Surrogate Recovery
280-134297	NW020-2	TKN	TKN	UJ	Low MS/MSD Recovery
280-134297	NW020-2	Anions	Nitrate-Nitrite	J	Low MS/MSD Recovery
280-134297	G0078-2	Anions	Nitrate-Nitrite	UJ	Low MS/MSD Recovery
280-134297	NW021-2	Explosives	HMX	J	Field Duplicate RPD
280-134297	NW023-2	Explosives	HMX	UJ	Field Duplicate RPD

Notes:

% = percent

CCV = continuing calibration verification

HMX = octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine

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