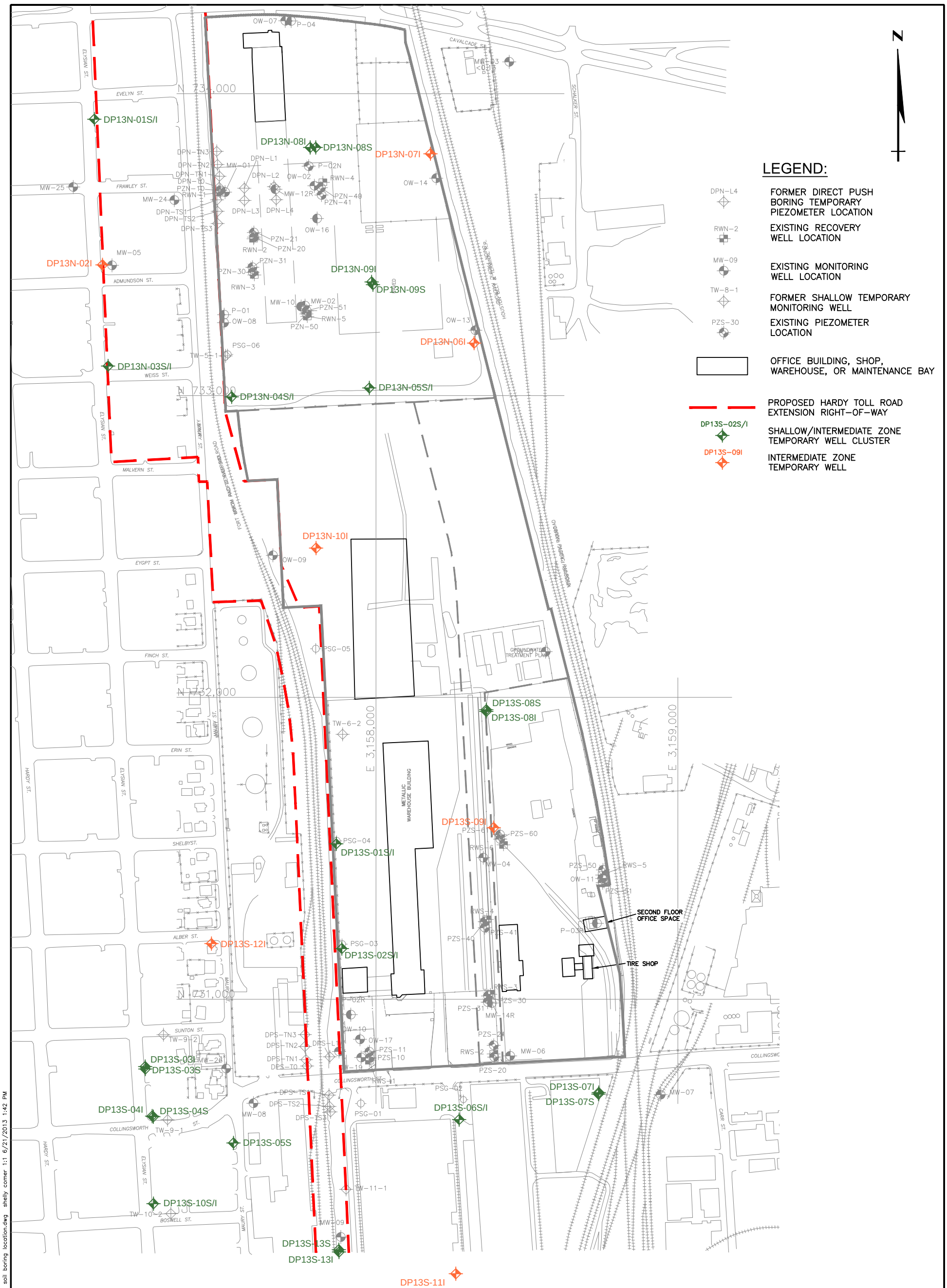

PRELIMINARY

REV #	DATE	DESCRIPTION	APPD
△			
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△			

REFERENCE:

ISSUE DATE:

KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

BEAZER EAST, INC.
PITTSBURGH, PENNSYLVANIA

DRWN:	SCC	DATE: 06/17/13	KEY ENVIRONMENTAL INCORPORATED
CHKD:	JSZ	DATE: 06/17/13	
APPD:		DATE:	
SCALE:	AS SHOWN		

TECHNICAL IMPRACTICABILITY ZONE DELINEATION WORK PLAN
SOUTH CAVALCADE SUPERFUND SITE
HOUSTON, TEXAS

TEMPORARY MONITORING WELL LOCATIONS

PROJECT NO: 13-665

FIGURE 1

y:\south cavalcade\13-665\2013 draft report\figure 1 soil boring location.dwg shelly corner 1:1 6/21/2013 1:42 PM

686791

DP13N-01S	
Constituent	5/24/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	0.061 U

PZN-20	
Constituent	5/28/2013
Benzene	13
Ethylbenzene	44
Toluene	27
Xylene (total)	110
Benzo(a)pyrene	12 U
Naphthalene	8100

OW-07	
Constituent	5/22/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	0.061 U

DP13N-08S	
Constituent	6/11/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	3.2
Benzo(a)pyrene	63 U
Naphthalene	1600

PZN-40	
Constituent	5/28/2013
Benzene	13
Ethylbenzene	53
Toluene	65
Xylene (total)	170
Benzo(a)pyrene	12 U
Naphthalene	11000

MW-01	
Constituent	5/23/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	2.5 U
Naphthalene	330

MW-03	
Constituent	5/22/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	0.061 U

MW-05	
Constituent	5/22/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	0.061 U

OW-14	
Constituent	5/29/2013
Benzene	0.41 U
Ethylbenzene	14
Toluene	9.8
Xylene (total)	47
Benzo(a)pyrene	130 U
Naphthalene	3200

PZN-30	
Constituent	5/23/2013
Benzene	0.41 U
Ethylbenzene	1.2
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	6.2 U
Naphthalene	840

DP13N-09S	
Constituent	6/7/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	0.061 U

OW-08	
Constituent	5/22/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	0.061 U

OW-13	
Constituent	5/29/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	2.6 B

PZN-50	
Constituent	5/28/2013
Benzene	1.6 U
Ethylbenzene	21
Toluene	2.0 U
Xylene (total)	19
Benzo(a)pyrene	12 U
Naphthalene	3600

DP13N-03S	
Constituent	5/24/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	0.061 U

DP13N-05S	
Constituent	6/3/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	0.061 U

DP13N-04S	
Constituent	5/31/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	0.061 U

OW-09	
Constituent	5/23/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	0.061 U

DP13S-08S	
Constituent	6/3/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.13 U
Naphthalene	0.062 U

DP13S-01S	
Constituent	6/1/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.63 U
Naphthalene	0.31 U

PZS-60	
Constituent	5/29/2013
Benzene	0.82 U
Ethylbenzene	1.5 U
Toluene	1.0 U
Xylene (total)	1.3 U
Benzo(a)pyrene	0.12 U
Naphthalene	0.061 U

PZS-40	
Constituent	5/30/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	0.061 U

MW-04	
Constituent	5/30/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	0.061 U

MW-26	
Constituent	5/24/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	1

DP13S-02S	
Constituent	6/3/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	13 U
Naphthalene	6.3 U

PZS-30	
Constituent	5/30/2013
Benzene	6.2
Ethylbenzene	3.3
Toluene	0.51 U
Xylene (total)	3.6
Benzo(a)pyrene	0.13 U
Naphthalene	140

DP13S-03S	
Constituent	5/21/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.13 U
Naphthalene	0.062 U

DP13S-07S	
Constituent	5/29/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	0.061 U

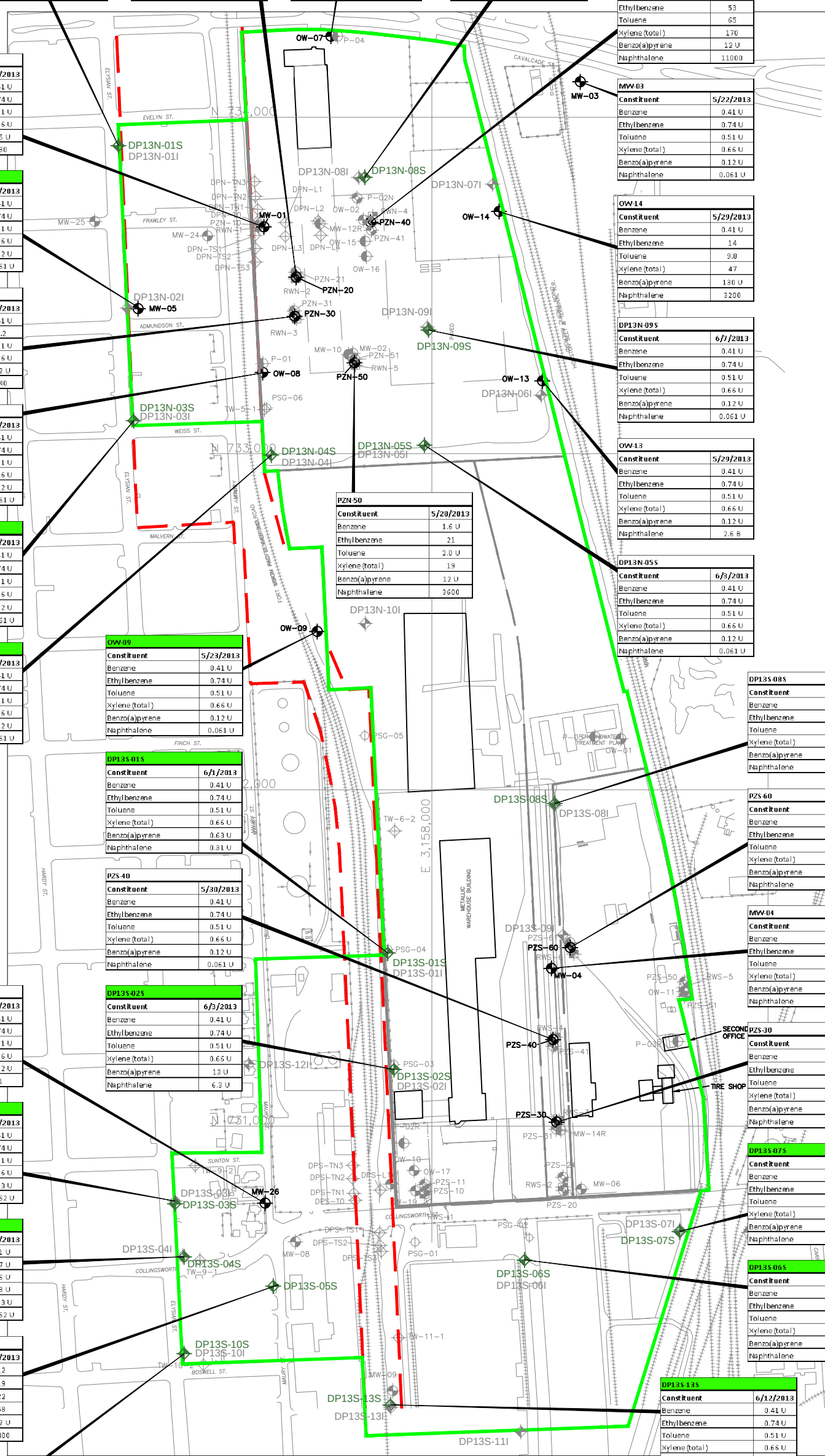
DP13S-04S	
Constituent	5/21/2013
Benzene	2.1 U
Ethylbenzene	3.7 U
Toluene	2.6 U
Xylene (total)	3.8 U
Benzo(a)pyrene	0.13 U
Naphthalene	0.062 U

DP13S-06S	
Constituent	5/29/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.13 U
Naphthalene	270

DP13S-05S	
Constituent	5/24/2013
Benzene	12
Ethylbenzene	19
Toluene	22
Xylene (total)	58
Benzo(a)pyrene	1.2 U
Naphthalene	2400

DP13S-13S	
Constituent	6/12/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.65 U
Naphthalene	0.32 U

DP13S-10S	
Constituent	6/4/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.13 U
Naphthalene	0.062 U



LEGEND:

- DPN-L4 — FORMER DIRECT PUSH BORING TEMPORARY PIEZOMETER LOCATION
- RWN-2 — EXISTING RECOVERY WELL LOCATION
- MW-09 — EXISTING MONITORING WELL LOCATION
- TW-8-1 — FORMER SHALLOW TEMPORARY MONITORING WELL
- PZS-30 — EXISTING PIEZOMETER LOCATION
- OFFICE BUILDING, SHOP, WAREHOUSE, OR MAINTENANCE BAY
- PROPOSED HARDY TOLL ROAD EXTENSION RIGHT-OF-WAY
- DP13S-02S — SHALLOW ZONE TEMPORARY WELL
- DP13S-09I — INTERMEDIATE ZONE TEMPORARY WELL
- PROPOSED TECHNICAL IMPRACTICABILITY ZONES

0 350 700 FEET

PRELIMINARY

BEAZER EAST, INC.
PITTSBURGH, PENNSYLVANIA

DRWN: SCC	DATE: 06/17/13
CHKD: JSZ	DATE: 06/17/13
APPD:	DATE:
SCALE: AS SHOWN	

KEY ENVIRONMENTAL INCORPORATED

TECHNICAL IMPRACTICABILITY ZONE DELINEATION WORK PLAN
SOUTH CAVALCADE SUPERFUND SITE
HOUSTON, TEXAS

REV #	DATE	DESCRIPTION	APPD
1			
2			
3			

REFERENCE:

NOTE:
DP13S-01I — DATA USED TO DEFINE TI ZONE BOUNDARY.
ALL RESULTS ARE IN ug/l.

ISSUE DATE:

KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

SHALLOW ZONE-ORGANIC ANALYTICAL DATA

PROJECT NO: 13-665

FIGURE 2

y:\south cavalcade\13-665\2013 draft report\figure 2 shallow organic.dwg Last Saved By: Scomer 6/21/2013 11:00 AM Plotted By: Shelly Comer 6/21/2013 1:42 PM Scale: 1:1

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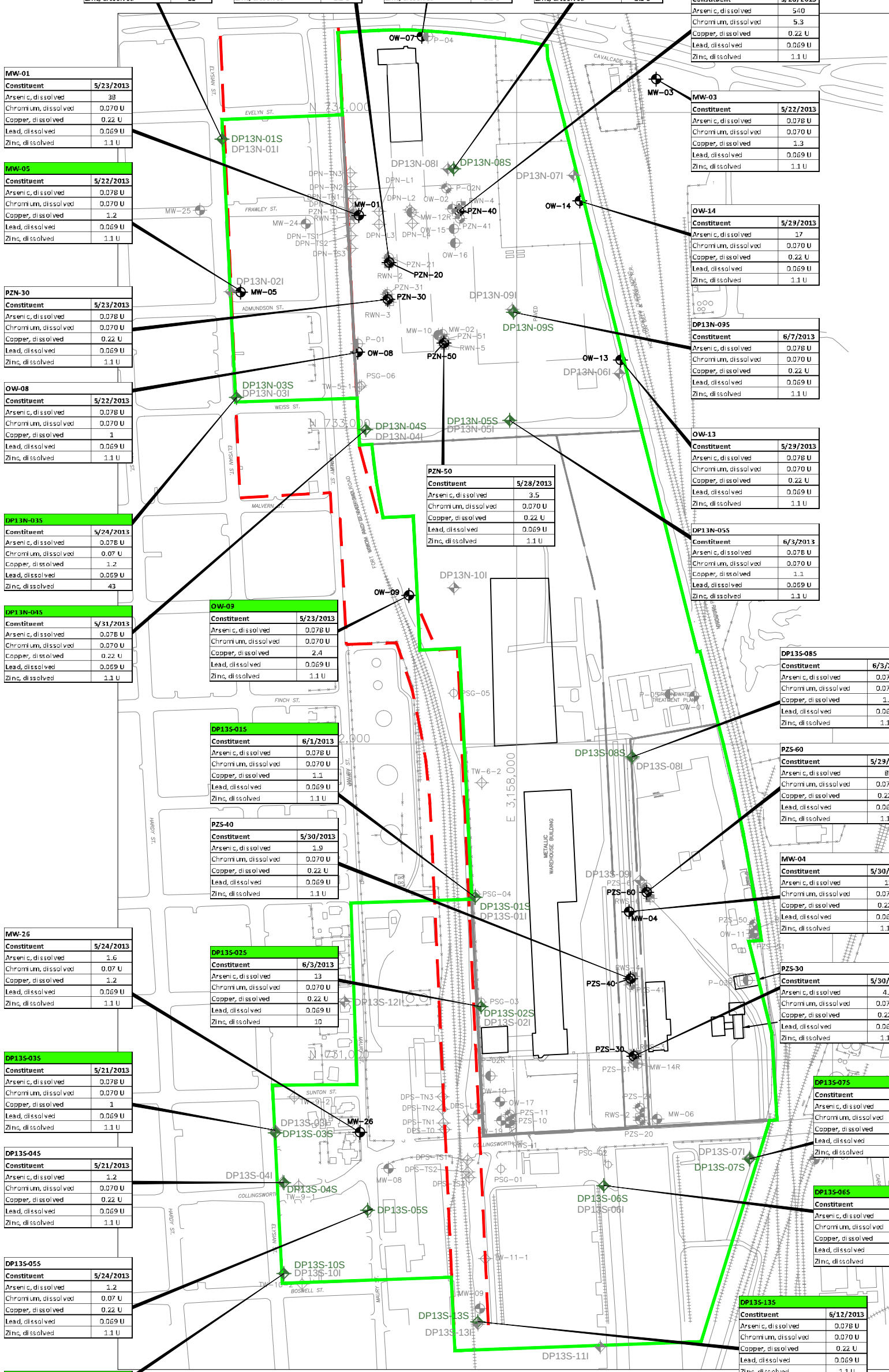


DP13N-01S	
Constituent	5/24/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.07 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	21

PZN-20	
Constituent	5/28/2013
Arsenic, dissolved	37
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

OW-07	
Constituent	5/22/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1.6
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13N-08S	
Constituent	6/11/2013
Arsenic, dissolved	2
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

PZN-40	
Constituent	5/28/2013
Arsenic, dissolved	540
Chromium, dissolved	5.3
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

MW-01	
Constituent	5/23/2013
Arsenic, dissolved	38
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

MW-03	
Constituent	5/22/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1.3
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

MW-05	
Constituent	5/22/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1.2
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

OW-14	
Constituent	5/29/2013
Arsenic, dissolved	17
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

PZN-30	
Constituent	5/23/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13N-09S	
Constituent	6/7/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

OW-08	
Constituent	5/22/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

OW-13	
Constituent	5/29/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

PZN-50	
Constituent	5/28/2013
Arsenic, dissolved	3.5
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13N-05S	
Constituent	6/3/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1.1
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13N-03S	
Constituent	5/24/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.07 U
Copper, dissolved	1.2
Lead, dissolved	0.069 U
Zinc, dissolved	43

OW-09	
Constituent	5/23/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	2.4
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13N-04S	
Constituent	5/31/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-08S	
Constituent	6/3/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1.2
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-01S	
Constituent	6/1/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1.1
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

PZS-60	
Constituent	5/29/2013
Arsenic, dissolved	85
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

PZS-40	
Constituent	5/30/2013
Arsenic, dissolved	1.9
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

MW-04	
Constituent	5/30/2013
Arsenic, dissolved	13
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

MW-26	
Constituent	5/24/2013
Arsenic, dissolved	1.6
Chromium, dissolved	0.07 U
Copper, dissolved	1.2
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-02S	
Constituent	6/3/2013
Arsenic, dissolved	13
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	10

PZS-30	
Constituent	5/30/2013
Arsenic, dissolved	4.3
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-03S	
Constituent	5/21/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-07S	
Constituent	5/29/2013
Arsenic, dissolved	1.2
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-04S	
Constituent	5/21/2013
Arsenic, dissolved	1.2
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-06S	
Constituent	5/29/2013
Arsenic, dissolved	4.7
Chromium, dissolved	1.7
Copper, dissolved	1.8 B
Lead, dissolved	2
Zinc, dissolved	27

DP13S-05S	
Constituent	5/24/2013
Arsenic, dissolved	1.2
Chromium, dissolved	0.07 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-13S	
Constituent	6/12/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-10S	
Constituent	6/4/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1.3
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

LEGEND:

- DPN–L4 — FORMER DIRECT PUSH BORING TEMPORARY PIEZOMETER LOCATION
- RWN–2 — EXISTING RECOVERY WELL LOCATION
- MW–09 — EXISTING MONITORING WELL LOCATION
- TW–8–1 — FORMER SHALLOW TEMPORARY MONITORING WELL
- PZS–30 — EXISTING PIEZOMETER LOCATION
- OFFICE BUILDING, SHOP, WAREHOUSE, OR MAINTENANCE BAY
- PROPOSED HARDY TOLL ROAD EXTENSION RIGHT–OF–WAY
- DP13S–02S — SHALLOW ZONE TEMPORARY WELL
- DP13S–09I — INTERMEDIATE ZONE TEMPORARY WELL
- PROPOSED TECHNICAL IMPRACTICABILITY ZONES

0 350 700 FEET

PRELIMINARY

BEAZER EAST, INC.
PITTSBURGH, PENNSYLVANIA

DRWN: SCC	DATE: 06/17/13
CHKD: JSZ	DATE: 06/17/13
APPD:	DATE:
SCALE: AS SHOWN	

KEY ENVIRONMENTAL INCORPORATED

TECHNICAL IMPRACTICABILITY ZONE DELINEATION WORK PLAN
SOUTH CAVALCADE SUPERFUND SITE
HOUSTON, TEXAS

REV #	DATE	DESCRIPTION	APPD
3			
2			
1			

REFERENCE:

NOTE:
DP13S-01I – DATA USED TO DEFINE TI ZONE BOUNDARY.
ALL RESULTS ARE IN ug/l.

ISSUE DATE:

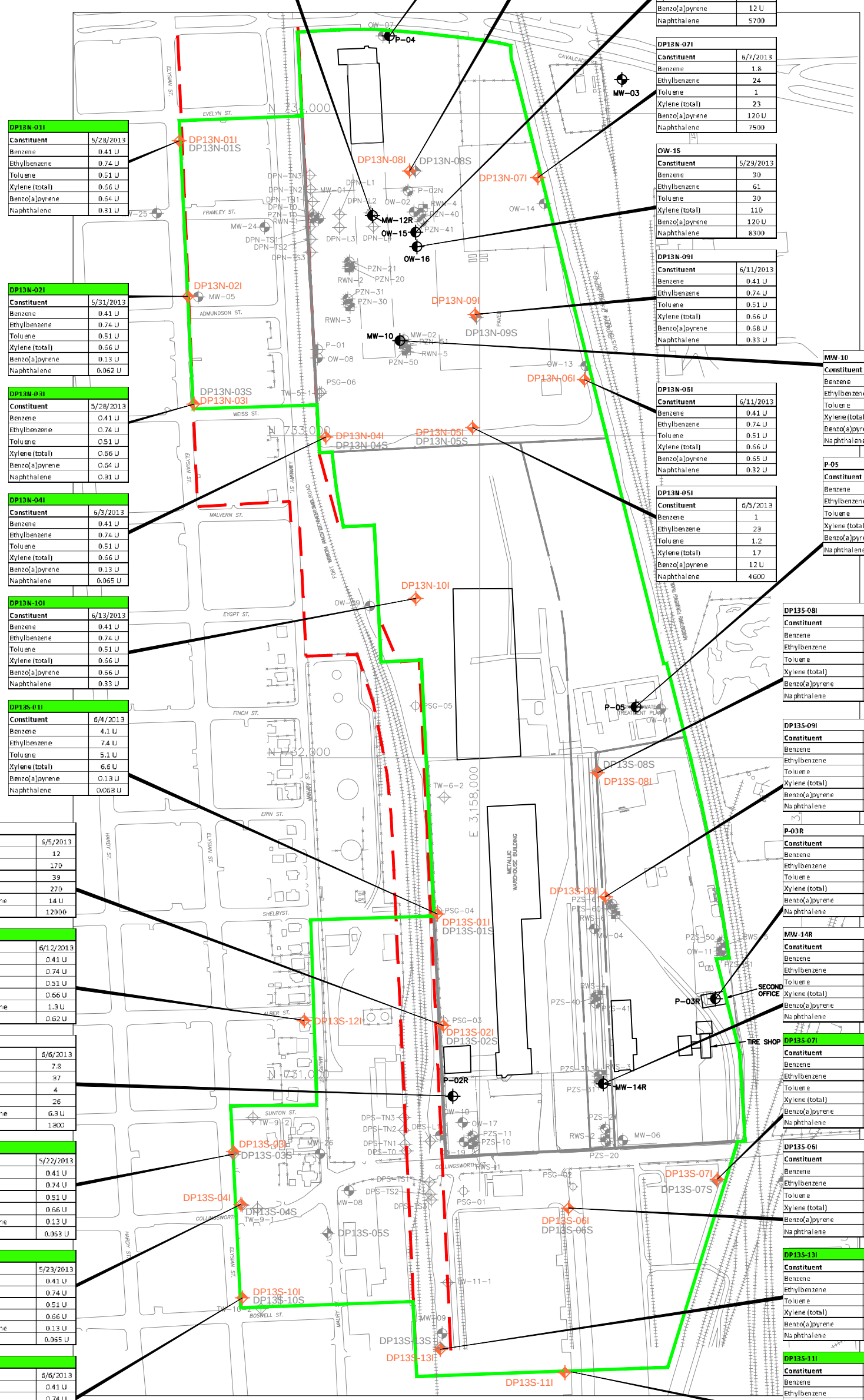
KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

SHALLOW ZONE–INORGANIC ANALYTICAL DATA

PROJECT NO: 13–665

FIGURE 3

y:\south cavalcade\13-665\2013 draft report\figure 3 shallow inorganic.dwg Last Saved By: Scomer 6/21/2013 1:16 PM Plotted By: Shelly Comer 6/21/2013 1:42 PM Scale: 1:1



MW-12R	
Constituent	5/23/2013
Benzene	0.41 U
Ethylbenzene	5.3
Toluene	0.51 U
Xylene (total)	9.7
Benzo(a)pyrene	6.2 U
Naphthalene	1600

P-04	
Constituent	5/22/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.13 U
Naphthalene	0.063 U

DP13N-08I	
Constituent	6/11/2013
Benzene	37
Ethylbenzene	36
Toluene	3.4
Xylene (total)	86
Benzo(a)pyrene	70 U
Naphthalene	8500

OW-15	
Constituent	5/28/2013
Benzene	12
Ethylbenzene	29
Toluene	8.8
Xylene (total)	45
Benzo(a)pyrene	12 U
Naphthalene	5700

DP13N-07I	
Constituent	6/7/2013
Benzene	1.8
Ethylbenzene	24
Toluene	1
Xylene (total)	23
Benzo(a)pyrene	120 U
Naphthalene	7500

OW-16	
Constituent	5/29/2013
Benzene	30
Ethylbenzene	61
Toluene	30
Xylene (total)	110
Benzo(a)pyrene	120 U
Naphthalene	8300

DP13N-09I	
Constituent	6/11/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.68 U
Naphthalene	0.33 U

MW-10	
Constituent	5/23/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	2.5 U
Naphthalene	170

DP13N-05I	
Constituent	6/11/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.65 U
Naphthalene	0.32 U

P-05	
Constituent	5/22/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	0.061 U

DP13N-05I	
Constituent	6/5/2013
Benzene	1
Ethylbenzene	23
Toluene	1.2
Xylene (total)	17
Benzo(a)pyrene	12 U
Naphthalene	4600

DP13S-08I	
Constituent	6/4/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.13 U
Naphthalene	0.062 U

DP13S-09I	
Constituent	6/5/2013
Benzene	2.1 U
Ethylbenzene	3.7 U
Toluene	2.6 U
Xylene (total)	3.3 U
Benzo(a)pyrene	0.14 U
Naphthalene	2.7

P-03R	
Constituent	5/30/2013
Benzene	1.3
Ethylbenzene	5.4
Toluene	7.3
Xylene (total)	20
Benzo(a)pyrene	0.14 U
Naphthalene	1000

MW-14R	
Constituent	5/30/2013
Benzene	220
Ethylbenzene	150
Toluene	13
Xylene (total)	170
Benzo(a)pyrene	12 U
Naphthalene	9100

DP13S-07I	
Constituent	5/30/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.13 U
Naphthalene	38

DP13S-06I	
Constituent	5/30/2013
Benzene	33
Ethylbenzene	100
Toluene	4
Xylene (total)	84
Benzo(a)pyrene	120 U
Naphthalene	11000

DP13S-13I	
Constituent	6/13/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.68 U
Naphthalene	0.33 U

DP13S-11I	
Constituent	6/13/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.15 U
Naphthalene	0.074 U

DP13N-01I	
Constituent	5/28/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.64 U
Naphthalene	0.31 U

DP13N-02I	
Constituent	5/31/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.13 U
Naphthalene	0.062 U

DP13N-03I	
Constituent	5/28/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.64 U
Naphthalene	0.31 U

DP13N-04I	
Constituent	6/3/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.13 U
Naphthalene	0.065 U

DP13N-10I	
Constituent	6/13/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.66 U
Naphthalene	0.33 U

DP13S-01I	
Constituent	6/4/2013
Benzene	4.1 U
Ethylbenzene	7.4 U
Toluene	5.1 U
Xylene (total)	6.6 U
Benzo(a)pyrene	0.13 U
Naphthalene	0.063 U

DP13S-02I	
Constituent	6/5/2013
Benzene	12
Ethylbenzene	170
Toluene	39
Xylene (total)	270
Benzo(a)pyrene	14 U
Naphthalene	12000

DP13S-12I	
Constituent	6/12/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	1.3 U
Naphthalene	0.62 U

P-02R	
Constituent	6/6/2013
Benzene	7.8
Ethylbenzene	37
Toluene	4
Xylene (total)	26
Benzo(a)pyrene	6.3 U
Naphthalene	1300

DP13S-03I	
Constituent	5/22/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.13 U
Naphthalene	0.063 U

DP13S-04I	
Constituent	5/23/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.13 U
Naphthalene	0.065 U

DP13S-10I	
Constituent	6/6/2013
Benzene	0.41 U
Ethylbenzene	0.74 U
Toluene	0.51 U
Xylene (total)	0.66 U
Benzo(a)pyrene	0.12 U
Naphthalene	0.061 U

LEGEND:

- DPN-L4 — FORMER DIRECT PUSH BORING TEMPORARY PIEZOMETER LOCATION
- RWN-2 — EXISTING RECOVERY WELL LOCATION
- MW-09 — EXISTING MONITORING WELL LOCATION
- TW-8-1 — FORMER SHALLOW TEMPORARY MONITORING WELL
- PZS-30 — EXISTING PIEZOMETER LOCATION
- OFFICE BUILDING, SHOP, WAREHOUSE, OR MAINTENANCE BAY
- PROPOSED HARDY TOLL ROAD EXTENSION RIGHT-OF-WAY
- DP13S-02S — SHALLOW ZONE TEMPORARY WELL
- DP13S-09I — INTERMEDIATE ZONE TEMPORARY WELL
- PROPOSED TECHNICAL IMPRACTICABILITY ZONES

0 350 700 FEET

PRELIMINARY

BEAZER EAST, INC.
PITTSBURGH, PENNSYLVANIA

DRWN: SCC	DATE: 06/17/13
CHKD: JSZ	DATE: 06/17/13
APPD:	DATE:
SCALE: AS SHOWN	

KEY ENVIRONMENTAL INCORPORATED

TECHNICAL IMPRACTICABILITY ZONE DELINEATION WORK PLAN
SOUTH CAVALCADE SUPERFUND SITE
HOUSTON, TEXAS

REV #	DATE	DESCRIPTION	APPD
3			
2			
1			

REFERENCE:

NOTE:
DP13S-01I — DATA USED TO DEFINE TI ZONE BOUNDARY.
ALL RESULTS ARE IN ug/l.

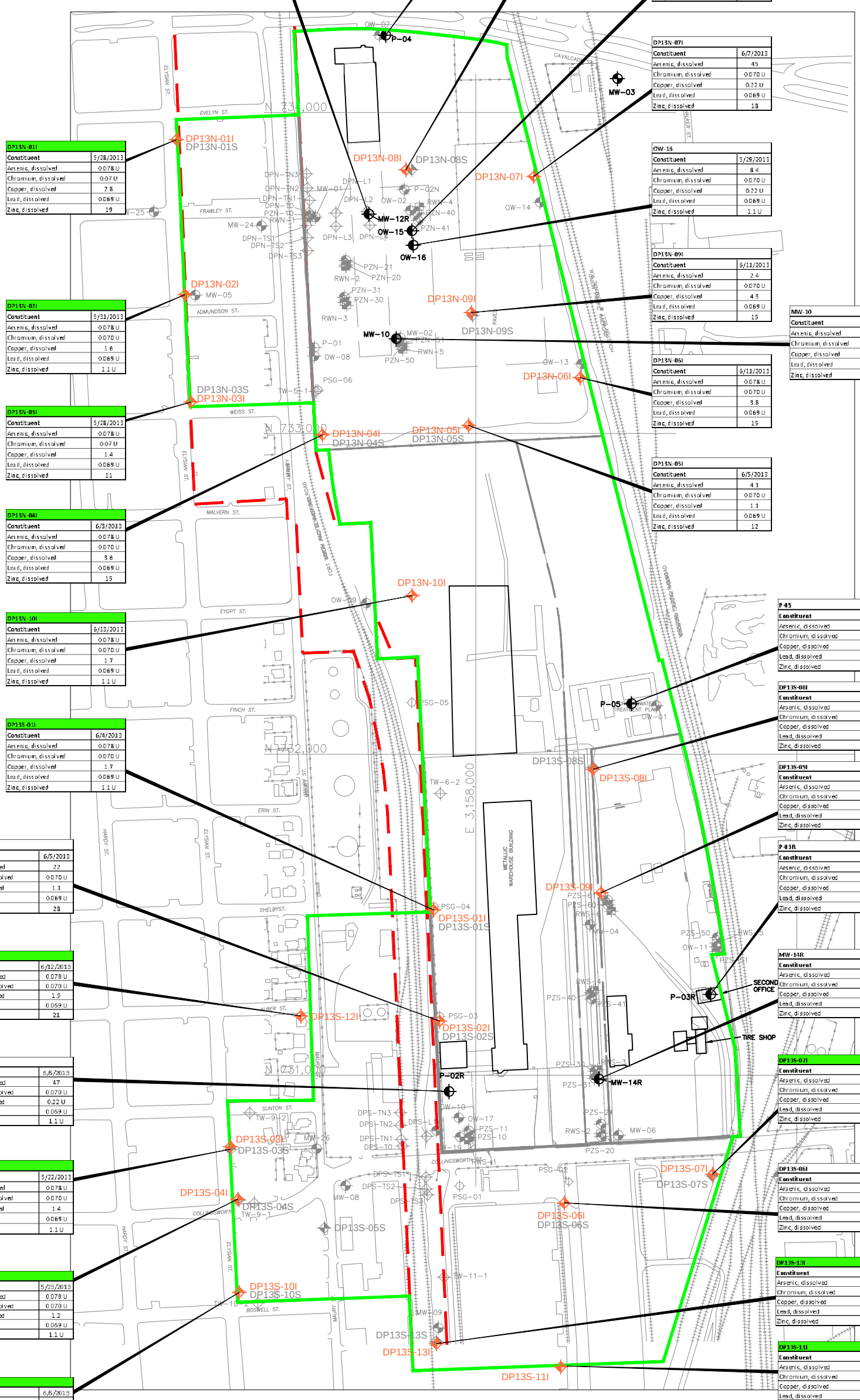
ISSUE DATE:

KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

INTERMEDIATE ZONE–ORGANIC ANALYTICAL DATA

PROJECT NO: 13-665
FIGURE 4

y:\south cavalcade\13-665\2013 draft report\figure 4 intermediate organic.dwg Last Saved By: Scomer 6/21/2013 10:59 AM Plotted By: Shelly Comer 6/21/2013 1:41 PM Scale: 1:1



MW-12R	
Constituent	5/23/2013
Arsenic, dissolved	21
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

P-04	
Constituent	5/22/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13N-08I	
Constituent	6/11/2013
Arsenic, dissolved	2.2
Chromium, dissolved	0.070 U
Copper, dissolved	1.5
Lead, dissolved	0.069 U
Zinc, dissolved	33

OW-15	
Constituent	5/28/2013
Arsenic, dissolved	12
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13N-07I	
Constituent	6/7/2013
Arsenic, dissolved	45
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	18

OW-15	
Constituent	5/29/2013
Arsenic, dissolved	8.4
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13N-01I	
Constituent	5/28/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.07 U
Copper, dissolved	2.8
Lead, dissolved	0.069 U
Zinc, dissolved	19

DP13N-09I	
Constituent	6/11/2013
Arsenic, dissolved	2.4
Chromium, dissolved	0.070 U
Copper, dissolved	4.5
Lead, dissolved	0.069 U
Zinc, dissolved	15

MW-10	
Constituent	5/23/2013
Arsenic, dissolved	47
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13N-02I	
Constituent	5/31/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1.6
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13N-06I	
Constituent	6/11/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	3.8
Lead, dissolved	0.069 U
Zinc, dissolved	15

DP13N-03I	
Constituent	5/28/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.07 U
Copper, dissolved	1.4
Lead, dissolved	0.069 U
Zinc, dissolved	11

DP13N-05I	
Constituent	6/5/2013
Arsenic, dissolved	4.1
Chromium, dissolved	0.070 U
Copper, dissolved	1.1
Lead, dissolved	0.069 U
Zinc, dissolved	12

DP13N-04I	
Constituent	6/3/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	3.6
Lead, dissolved	0.069 U
Zinc, dissolved	15

P-05	
Constituent	5/22/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	2.7
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13N-10I	
Constituent	6/13/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1.7
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-08I	
Constituent	6/4/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	2.1
Lead, dissolved	0.069 U
Zinc, dissolved	13

DP13S-01I	
Constituent	6/4/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1.7
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-09I	
Constituent	6/5/2013
Arsenic, dissolved	1.1
Chromium, dissolved	0.070 U
Copper, dissolved	5.1
Lead, dissolved	0.069 U
Zinc, dissolved	59

P-03R	
Constituent	5/30/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	5.1
Copper, dissolved	1.9
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-02I	
Constituent	6/5/2013
Arsenic, dissolved	22
Chromium, dissolved	0.070 U
Copper, dissolved	1.1
Lead, dissolved	0.069 U
Zinc, dissolved	28

MW-14R	
Constituent	5/30/2013
Arsenic, dissolved	33
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-12I	
Constituent	6/12/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1.9
Lead, dissolved	0.069 U
Zinc, dissolved	21

DP13S-07I	
Constituent	5/30/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1.3 B
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

P-02R	
Constituent	6/6/2013
Arsenic, dissolved	47
Chromium, dissolved	0.070 U
Copper, dissolved	0.22 U
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-03I	
Constituent	5/22/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1.4
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-06I	
Constituent	5/30/2013
Arsenic, dissolved	15
Chromium, dissolved	0.07 U
Copper, dissolved	2.1
Lead, dissolved	0.069 U
Zinc, dissolved	220

DP13S-04I	
Constituent	5/28/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1.2
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-13I	
Constituent	6/13/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	2.9
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-10I	
Constituent	6/6/2013
Arsenic, dissolved	1.1
Chromium, dissolved	0.070 U
Copper, dissolved	1.2
Lead, dissolved	0.069 U
Zinc, dissolved	1.1 U

DP13S-11I	
Constituent	6/13/2013
Arsenic, dissolved	0.078 U
Chromium, dissolved	0.070 U
Copper, dissolved	1.5
Lead, dissolved	0.069 U
Zinc, dissolved	12

LEGEND:

- DPN-L4 — FORMER DIRECT PUSH BORING TEMPORARY PIEZOMETER LOCATION
- RWN-2 — EXISTING RECOVERY WELL LOCATION
- MW-09 — EXISTING MONITORING WELL LOCATION
- TW-8-1 — FORMER SHALLOW TEMPORARY MONITORING WELL
- PZS-30 — EXISTING PIEZOMETER LOCATION
- OFFICE BUILDING, SHOP, WAREHOUSE, OR MAINTENANCE BAY
- PROPOSED HARDY TOLL ROAD EXTENSION RIGHT-OF-WAY
- DP13S-02S — SHALLOW ZONE TEMPORARY WELL
- DP13S-09I — INTERMEDIATE ZONE TEMPORARY WELL
- PROPOSED TECHNICAL IMPRACTICABILITY ZONES

0 350 700 FEET

PRELIMINARY

BEAZER EAST, INC.
PITTSBURGH, PENNSYLVANIA

DRWN: SCC	DATE: 06/17/13	KEY ENVIRONMENTAL INCORPORATED	
CHKD: JSZ	DATE: 06/17/13		
APPD:	DATE:		
SCALE: AS SHOWN			

TECHNICAL IMPRACTICABILITY ZONE DELINEATION WORK PLAN
SOUTH CAVALCADE SUPERFUND SITE
HOUSTON, TEXAS

REV #	DATE	DESCRIPTION	APPD
3			
2			
1			

REFERENCE:

NOTE:
DP13S-01I — DATA USED TO DEFINE TI ZONE BOUNDARY.
ALL RESULTS ARE IN ug/l.

ISSUE DATE:

KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

INTERMEDIATE ZONE–INORGANIC ANALYTICAL DATA

PROJECT NO: 13-665
FIGURE 5

y:\south cavalcade\13-665\2013 draft report\figure 5 intermediate inorganic.dwg Last Saved By: Scomer 6/21/2013 1:31 PM Plotted By: Shelly Comer 6/21/2013 1:41 PM Scale: 1:1

PRELIMINARY

Table 1
Groundwater Analytical Results
Shallow Zone - Northern Area
TI Zone Delineation
South Cavalcade Superfund Site
Houston, Texas

CONSTITUENT	DP13N-01S 5/24/2013 Primary	DP13N-03S 5/24/2013 Primary	DP13N-04S 5/31/2013 Primary	DP13N-04S 5/31/2013 Duplicate	DP13N-05S 6/3/2013 Primary	DP13N-08S 6/11/2013 Primary	DP13N-09S 6/7/2013 Primary	PZN-20 5/28/2013 Primary	PZN-30 5/23/2013 Primary	PZN-40 5/28/2013 Primary	PZN-40 5/28/2013 Duplicate	PZN-50 5/28/2013 Primary	MW-01 5/23/2013 Primary	MW-03 5/22/2013 Primary	OW-07 5/22/2013 Primary	OW-08 5/22/2013 Primary	OW-09 5/23/2013 Primary	OW-14 5/29/2013 Primary	MW-05 5/22/2013 Primary	OW-13 5/29/2013 Primary
Volatile Organic Compounds, Method 8260B (ug/l)																				
Benzene	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	13	0.41 U	13	13	1.6 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Ethylbenzene	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	44	1.2	53	52	21	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	14	0.74 U	0.74 U
Toluene	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	27	0.51 U	65	63	2.0 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	9.8	0.51 U	0.51 U
Xylene (total)	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	3.2	0.66 U	110	0.66 U	170	170	19	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	47	0.66 U	0.66 U
Semivolatile Organic Compounds, Method 8270C (ug/l)																				
Acenaphthene	0.035 U	0.034 U	0.034 U	0.034 U	0.034 U	490	0.034 U	300	65	480	510	170	57	0.034 U	0.034 U	0.034 U	0.034 U	35 U	0.034 U	0.035 U
Acenaphthylene	0.054 U	0.054 U	0.053 U	0.053 U	0.053 U	27 U	0.053 U	5.3 U	2.7 U	5.4 U	5.4 U	5.3 U	1.1 U	0.053 U	0.053 U	0.053 U	0.053 U	54 U	0.053 U	0.054 U
Anthracene	0.033 U	0.032 U	0.032 U	0.032 U	0.032 U	16 U	0.032 U	3.2 U	1.6 U	3.3 U	3.3 U	3.2 U	0.65 U	0.032 U	0.032 U	0.032 U	0.032 U	33 U	0.032 U	0.033 U
Benzo(a)anthracene	0.033 U	0.032 U	0.032 U	0.032 U	0.032 U	16 U	0.032 U	3.2 U	1.6 U	3.3 U	3.3 U	3.2 U	0.65 U	0.032 U	0.032 U	0.032 U	0.032 U	33 U	0.032 U	0.033 U
Benzo(a)pyrene	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	63 U	0.12 U	12 U	6.2 U	12 U	12 U	12 U	2.5 U	0.12 U	0.12 U	0.12 U	0.12 U	130 U	0.12 U	0.12 U
Benzo(b)fluoranthene	0.06 U	0.06 U	0.060 U	0.060 U	0.060 U	30 U	0.060 U	6.0 U	3.0 U	6.1 U	6.0 U	6.0 U	1.2 U	0.060 U	0.060 U	0.060 U	0.060 U	61 U	0.060 U	0.061 U
Benzo(ghi)perylene	0.056 U	0.055 U	0.055 U	0.055 U	0.055 U	28 U	0.055 U	5.5 U	2.8 U	5.6 U	5.5 U	5.5 U	1.1 U	0.055 U	0.055 U	0.055 U	0.055 U	56 U	0.055 U	0.056 U
Benzo(k)fluoranthene	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	34 U	0.067 U	6.7 U	3.3 U	6.7 U	6.7 U	6.7 U	1.3 U	0.067 U	0.067 U	0.067 U	0.067 U	68 U	0.067 U	0.067 U
Chrysene	0.071 U	0.071 U	0.070 U	0.070 U	0.070 U	36 U	0.070 U	7.1 U	3.5 U	7.1 U	7.1 U	7.0 U	1.4 U	0.071 U	0.071 U	0.070 U	0.070 U	72 U	0.070 U	0.071 U
Dibenzo(a,h)anthracene	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	34 U	0.067 U	6.7 U	3.3 U	6.7 U	6.7 U	6.7 U	1.3 U	0.067 U	0.067 U	0.067 U	0.067 U	68 U	0.067 U	0.067 U
Fluoranthene	0.077 U	0.076 U	0.076 U	0.076 U	0.076 U	39 U	0.076 U	7.6 U	3.8 U	7.7 U	61	7.6 U	1.5 U	0.076 U	0.076 U	0.076 U	0.076 U	78 U	0.076 U	0.077 U
Fluorene	0.056 U	0.055 U	0.055 U	0.055 U	0.055 U	28 U	0.055 U	120	24	220	250	66	18	0.055 U	0.055 U	0.055 U	0.055 U	56 U	0.055 U	0.056 U
Indeno(1,2,3-cd)pyrene	0.11 U	0.11 U	0.10 U	0.10 U	0.10 U	53 U	0.10 U	10 U	5.2 U	11 U	11 U	10 U	2.1 U	0.10 U	0.10 U	0.10 U	0.10 U	110 U	0.10 U	0.11 U
Naphthalene	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U	1600	0.061 U	8100	840	11000	11000	3600	330	0.061 U	0.061 U	0.061 U	0.061 U	3200	0.061 U	2.6 B
Phenanthrene	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	120	0.059 U	56	10	260	330	51	1.2 U	0.2	0.059 U	0.059 U	0.059 U	250	0.22	0.37
Pyrene	0.073 U	0.073 U	0.072 U	0.072 U	0.072 U	37 U	0.072 U	7.2 U	3.6 U	7.3 U	7.3 U	7.2 U	1.4 U	0.072 U	0.072 U	0.072 U	0.072 U	74 U	0.072 U	0.073 U
Metals, Method 6020 (ug/l)																				
Arsenic, dissolved	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	2	0.078 U	37	0.078 U	540	570	3.5	38	0.078 U	0.078 U	0.078 U	0.078 U	17	0.078 U	0.078 U
Chromium, dissolved	0.07 U	0.07 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	5.3	5.8	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U
Copper, dissolved	0.22 U	1.2	0.22 U	1.2	1.1	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.3	1.6	1	2.4	0.22 U	1.2	0.22 U
Lead, dissolved	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U
Zinc, dissolved	21	43	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U

Notes:

ug/l = micrograms per liter

U = result not detected at reported concentration

B = blank contamination

J = estimated result

PRELIMINARY

Table 2
Groundwater Analytical Results
Shallow Zone - Southern Area
TI Zone Delineation
South Cavalcade Superfund Site
Houston, Texas

CONSTITUENT	DP13S-01S 6/1/2013 Primary	DP13S-02S 6/3/2013 Primary	DP13S-03S 5/21/2013 Primary	DP13S-04S 5/21/2013 Primary	DP13S-05S 5/24/2013 Primary	DP13S-06S 5/29/2013 Primary	DP13S-07S 5/29/2013 Primary	DP13S-08S 6/3/2013 Primary	DP13S-10S 6/4/2013 Primary	DP13S-10S 6/4/2013 Duplicate	DP13S-13S 6/12/2013 Primary	MW-04 5/30/2013 Primary	MW-26 5/24/2013 Primary	PZS-30 5/30/2013 Primary	PZS-40 5/30/2013 Primary	PZS-60 5/29/2013 Primary
Volatile Organic Compounds, Method 8260B (ug/l)																
Benzene	0.41 U	0.41 U	0.41 U	2.1 U	12	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	6.2	0.41 U	0.82 U
Ethylbenzene	0.74 U	0.74 U	0.74 U	3.7 U	19	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	3.3	0.74 U	1.5 U
Toluene	0.51 U	0.51 U	0.51 U	2.6 U	22	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U
Xylene (total)	0.66 U	0.66 U	0.66 U	3.3 U	58	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	3.6	0.66 U	1.3 U
Semivolatile Organic Compounds, Method 8270C (ug/l)																
Acenaphthene	0.18 U	3.5 U	0.035 U	0.035 U	480	87	2.5	0.035 U	0.035 U	0.035 U	0.18 U	17	0.034 U	66	2.1	13
Acenaphthylene	0.27 U	5.5 U	0.054 U	0.055 U	7.2	1.6	0.053 U	0.054 U	0.054 U	0.054 U	0.28 U	0.053 U	0.053 U	0.61	0.053 U	0.053 U
Anthracene	0.17 U	3.3 U	0.033 U	0.033 U	47	6.2	0.032 U	0.033 U	0.033 U	0.033 U	0.17 U	0.032 U	0.032 U	1.8	0.032 U	1.1
Benzo(a)anthracene	0.17 U	3.3 U	0.033 U	0.033 U	5.3	1	0.032 U	0.033 U	0.033 U	0.033 U	0.17 U	0.032 U	0.032 U	0.034 U	0.032 U	0.032 U
Benzo(a)pyrene	0.63 U	13 U	0.13 U	0.13 U	1.2 U	0.13 U	0.12 U	0.13 U	0.13 U	0.12 U	0.65 U	0.12 U	0.12 U	0.13 U	0.12 U	0.12 U
Benzo(b)fluoranthene	0.31 U	6.2 U	0.061 U	0.061 U	0.6 U	0.065 U	0.060 U	0.061 U	0.061 U	0.060 U	0.31 U	0.060 U	0.06 U	0.062 U	0.060 U	0.060 U
Benzo(ghi)perylene	0.28 U	5.7 U	0.056 U	0.056 U	0.55 U	0.060 U	0.055 U	0.056 U	0.056 U	0.056 U	0.29 U	0.055 U	0.055 U	0.057 U	0.055 U	0.055 U
Benzo(k)fluoranthene	0.34 U	6.9 U	0.068 U	0.068 U	0.67 U	0.072 U	0.067 U	0.068 U	0.067 U	0.067 U	0.35 U	0.066 U	0.067 U	0.069 U	0.066 U	0.066 U
Chrysene	0.36 U	7.3 U	0.072 U	0.072 U	0.71 U	0.73	0.071 U	0.072 U	0.071 U	0.071 U	0.37 U	0.070 U	0.071 U	0.073 U	0.070 U	0.070 U
Dibenzo(a,h)anthracene	0.34 U	6.9 U	0.068 U	0.068 U	0.67 U	0.072 U	0.067 U	0.068 U	0.067 U	0.067 U	0.35 U	0.066 U	0.067 U	0.069 U	0.066 U	0.066 U
Fluoranthene	0.39 U	7.9 U	0.077 U	0.078 U	58	14	19	0.077 U	0.077 U	0.077 U	2.8	0.67	0.6	8.5	0.076 U	0.56
Fluorene	0.28 U	5.7 U	0.056 U	0.056 U	340	51	1.6	0.056 U	0.056 U	0.056 U	0.29 U	3.8	0.055 U	19	0.49	0.055 U
Indeno(1,2,3-cd)pyrene	0.54 U	11 U	0.11 U	0.11 U	1.1 U	0.11 U	0.10 U	0.11 U	0.11 U	0.11 U	0.55 U	0.10 U	0.1 U	0.11 U	0.10 U	0.10 U
Naphthalene	0.31 U	6.3 U	0.062 U	0.062 U	2400	270	0.061 U	0.062 U	0.062 U	0.061 U	0.32 U	0.061 U	1	140	0.061 U	0.061 U
Phenanthrene	0.30 U	6.1 U	0.060 U	0.060 U	340	48	0.23	0.060 U	0.060 U	0.060 U	4.2	0.4 B	0.26 U	11	0.34 B	0.25
Pyrene	0.37 U	7.5 U	0.073 U	0.074 U	30	15	12	0.074 U	0.073 U	0.073 U	0.38 U	2.1	1.4	6.5	0.072 U	3.3
Metals, Method 6020 (ug/l)																
Arsenic, dissolved	0.078 U	13	0.078 U	1.2	1.2	4.7	1.2	0.078 U	0.078 U	0.078 U	0.078 U	13	1.6	4.3	1.9	85
Chromium, dissolved	0.070 U	0.070 U	0.070 U	0.070 U	0.07 U	1.7	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.07 U	0.070 U	0.070 U	0.070 U
Copper, dissolved	1.1	0.22 U	1	0.22 U	0.22 U	1.8 B	0.22 U	1.2	1.3	0.22 U	0.22 U	0.22 U	1.2	0.22 U	0.22 U	0.22 U
Lead, dissolved	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	2	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U
Zinc, dissolved	1.1 U	10	1.1 U	1.1 U	1.1 U	27	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U

Notes:

ug/l = micrograms per liter

U = result not detected at reported concentration

B = blank contamination

J = estimated result

Table 3
Groundwater Analytical Results
Intermediate Zone - Northern Area
TI Zone Delineation
South Cavalcade Superfund Site
Houston, Texas

CONSTITUENT	DP13N-01I 5/28/2013 Primary	DP13N-02I 5/31/2013 Primary	DP13N-03I 5/28/2013 Primary	DP13N-04I 6/3/2013 Primary	DP13N-05I 6/5/2013 Primary	DP13N-06I 6/11/2013 Primary	DP13N-07I 6/7/2013 Primary	DP13N-08I 6/11/2013 Primary	DP13N-09I 6/11/2013 Primary	DP13N-10I 6/13/2013 Primary	DP13S-01I 6/4/2013 Primary	P-04 5/22/2013 Primary	MW-10 5/23/2013 Primary	MW-12R 5/23/2013 Primary	OW-15 5/28/2013 Primary	OW-16 5/29/2013 Primary	P-05 5/22/2013 Primary
Volatile Organic Compounds, Method 8260B (ug/l)																	
Benzene	0.41 U	0.41 U	0.41 U	0.41 U	1	0.41 U	1.8	37	0.41 U	0.41 U	4.1 U	0.41 U	0.41 U	0.41 U	12	30	0.41 U
Ethylbenzene	0.74 U	0.74 U	0.74 U	0.74 U	23	0.74 U	24	36	0.74 U	0.74 U	7.4 U	0.74 U	0.74 U	5.3	29	61	0.74 U
Toluene	0.51 U	0.51 U	0.51 U	0.51 U	1.2	0.51 U	1	3.4	0.51 U	0.51 U	5.1 U	0.51 U	0.51 U	0.51 U	8.8	30	0.51 U
Xylene (total)	0.66 U	0.66 U	0.66 U	0.66 U	17	0.66 U	23	86	0.66 U	0.66 U	6.6 U	0.66 U	0.66 U	9.7	45	110	0.66 U
Semivolatile Organic Compounds, Method 8270C (ug/l)																	
Acenaphthene	0.18 U	0.035 U	0.18 U	0.037 U	260	0.18 U	670	840	0.19 U	0.18 U	0.035 U	0.035 U	190	430	470	480	0.034 U
Acenaphthylene	0.27 U	0.054 U	0.27 U	0.057 U	5.3 U	0.28 U	54 U	30 U	0.29 U	0.28 U	0.055 U	0.055 U	1.1 U	2.7 U	5.3 U	53 U	0.053 U
Anthracene	0.17 U	0.033 U	0.17 U	0.035 U	3.2 U	0.17 U	33 U	370	0.18 U	0.17 U	0.034 U	0.033 U	14	35	81	32 U	0.032 U
Benzo(a)anthracene	0.17 U	0.033 U	0.17 U	0.035 U	3.2 U	0.17 U	33 U	200	0.18 U	0.17 U	0.034 U	0.033 U	0.65 U	1.6 U	33	32 U	0.032 U
Benzo(a)pyrene	0.64 U	0.13 U	0.64 U	0.13 U	12 U	0.65 U	120 U	70 U	0.68 U	0.66 U	0.13 U	0.13 U	2.5 U	6.2 U	12 U	120 U	0.12 U
Benzo(b)fluoranthene	0.31 U	0.061 U	0.31 U	0.064 U	6.0 U	0.31 U	60 U	34 U	0.33 U	0.32 U	0.062 U	0.062 U	1.2 U	3.0 U	6.0 U	60 U	0.060 U
Benzo(ghi)perylene	0.28 U	0.056 U	0.28 U	0.059 U	5.5 U	0.29 U	56 U	31 U	0.30 U	0.29 U	0.057 U	0.057 U	1.1 U	2.8 U	5.5 U	55 U	0.055 U
Benzo(k)fluoranthene	0.34 U	0.068 U	0.34 U	0.071 U	6.7 U	0.35 U	67 U	37 U	0.36 U	0.36 U	0.069 U	0.068 U	1.3 U	3.3 U	6.7 U	67 U	0.067 U
Chrysene	0.36 U	0.072 U	0.36 U	0.075 U	7.1 U	0.37 U	71 U	40 U	0.39 U	0.38 U	0.073 U	0.072 U	1.4 U	3.5 U	7.1 U	71 U	0.070 U
Dibenzo(a,h)anthracene	0.34 U	0.068 U	0.34 U	0.071 U	6.7 U	0.35 U	67 U	37 U	0.36 U	0.36 U	0.069 U	0.068 U	1.3 U	3.3 U	6.7 U	67 U	0.067 U
Fluoranthene	0.39 U	0.078 U	0.39 U	0.081 U	7.6 U	0.40 U	77 U	1100	4.8	0.41 U	0.079 U	0.078 U	25	46	200	76 U	0.076 U
Fluorene	0.28 U	0.056 U	0.28 U	0.059 U	91	0.29 U	56 U	570	0.30 U	0.29 U	0.057 U	0.057 U	48	83	260	55 U	0.055 U
Indeno(1,2,3-cd)pyrene	0.54 U	0.11 U	0.54 U	0.11 U	10 U	0.55 U	110 U	59 U	0.57 U	0.56 U	0.11 U	0.11 U	2.1 U	5.3 U	10 U	100 U	0.10 U
Naphthalene	0.31 U	0.062 U	0.31 U	0.065 U	4600	0.32 U	7500	8500	0.33 U	0.33 U	0.063 U	0.063 U	170	1600	5700	8300	0.061 U
Phenanthrene	2.1	0.060 U	0.3 U	0.22	190	1.7	420	2400	3.5	0.32 U	0.3	0.2	39	73	570	240	0.2
Pyrene	0.37 U	0.074 U	0.37 U	0.077 U	7.2 U	0.38 U	73 U	840	3.8	0.39 U	0.075 U	0.074 U	21	41	140	72 U	0.072 U
Metals, Method 6020 (ug/l)																	
Arsenic, dissolved	0.078 U	0.078 U	0.078 U	0.078 U	4.1	0.078 U	45	2.2	2.4	0.078 U	0.078 U	0.078 U	47	21	12	8.4	0.078 U
Chromium, dissolved	0.07 U	0.070 U	0.07 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U
Copper, dissolved	2.8	1.6	1.4	3.6	1.1	3.8	0.22 U	1.5	4.3	1.7	1.7	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	2.7
Lead, dissolved	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U
Zinc, dissolved	19	1.1 U	11	15	12	15	18	33	15	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U

Notes:

ug/l = micrograms per liter

U = result not detected at reported concentration

B = blank contamination

J = estimated result

PRELIMINARY

Table 4
Groundwater Analytical Results
Intermediate Zone - Southern Area
TI Zone Delineation
South Cavalcade Superfund Site
Houston, Texas

CONSTITUENT	DP13S-02I 6/5/2013 Primary	DP13S-03I 5/22/2013 Primary	DP13S-04I 5/23/2013 Primary	DP13S-06I 5/30/2013 Primary	DP13S-07I 5/30/2013 Primary	DP13S-08I 6/4/2013 Primary	DP13S-09I 6/5/2013 Primary	DP13S-10I 6/6/2013 Primary	DP13S-11I 6/13/2013 Primary	DP13S-12I 6/12/2013 Primary	DP13S-13I 6/13/2013 Primary	P-02R 6/6/2013 Primary	P-03R 5/30/2013 Primary	MW-14R 5/30/2013 Primary	MW-14R 5/30/2013 Duplicate
Volatile Organic Compounds, Method 8260B (ug/l)															
Benzene	12	0.41 U	0.41 U	33	0.41 U	0.41 U	2.1 U	0.41 U	0.41 U	0.41 U	0.41 U	7.8	1.3	220	200
Ethylbenzene	170	0.74 U	0.74 U	100	0.74 U	0.74 U	3.7 U	0.74 U	0.74 U	0.74 U	0.74 U	37	5.4	150	140
Toluene	39	0.51 U	0.51 U	4	0.51 U	0.51 U	2.6 U	0.51 U	0.51 U	0.51 U	0.51 U	4	7.3	13	13
Xylene (total)	270	0.66 U	0.66 U	84	0.66 U	0.66 U	3.3 U	0.66 U	0.66 U	0.66 U	0.66 U	26	20	170	160
Semivolatile Organic Compounds, Method 8270C (ug/l)															
Acenaphthene	360	0.035 U	0.036 U	34 U	2.6	0.035 U	0.040 U	0.034 U	0.042 U	0.35 U	0.19 U	220	37	380	310
Acenaphthylene	6.1 U	0.055 U	0.057 U	54 U	0.054 U	0.054 U	0.062 U	0.054 U	0.065 U	0.54 U	0.29 U	2.7 U	0.37	5.3 U	2.7 U
Anthracene	3.7 U	0.033 U	0.034 U	33 U	0.033 U	0.033 U	0.038 U	0.033 U	0.039 U	0.33 U	0.18 U	1.6 U	0.035 U	3.2 U	1.6 U
Benzo(a)anthracene	3.7 U	0.033 U	0.034 U	33 U	0.033 U	0.033 U	0.038 U	0.033 U	0.039 U	0.33 U	0.18 U	1.6 U	0.035 U	3.2 U	1.6 U
Benzo(a)pyrene	14 U	0.13 U	0.13 U	120 U	0.13 U	0.13 U	0.14 U	0.12 U	0.15 U	1.3 U	0.68 U	6.3 U	0.14 U	12 U	6.2 U
Benzo(b)fluoranthene	6.9 U	0.062 U	0.064 U	60 U	0.061 U	0.061 U	0.070 U	0.060 U	0.073 U	0.61 U	0.33 U	3.0 U	0.065 U	6.0 U	3.0 U
Benzo(ghi)perylene	6.4 U	0.057 U	0.059 U	55 U	0.056 U	0.056 U	0.064 U	0.055 U	0.067 U	0.56 U	0.30 U	2.8 U	0.060 U	5.5 U	2.8 U
Benzo(k)fluoranthene	7.7 U	0.069 U	0.071 U	67 U	0.068 U	0.068 U	0.077 U	0.067 U	0.081 U	0.68 U	0.37 U	3.4 U	0.073 U	6.6 U	3.3 U
Chrysene	8.1 U	0.072 U	0.075 U	71 U	0.072 U	0.071 U	0.082 U	0.071 U	0.085 U	0.72 U	0.39 U	3.6 U	0.077 U	7.0 U	3.5 U
Dibenzo(a,h)anthracene	7.7 U	0.069 U	0.071 U	67 U	0.068 U	0.068 U	0.077 U	0.067 U	0.081 U	0.68 U	0.37 U	3.4 U	0.073 U	6.6 U	3.3 U
Fluoranthene	8.8 U	0.078 U	0.081 U	77 U	1.6	0.077 U	0.67	0.077 U	0.092 U	0.77 U	0.42 U	3.9 U	3.6	7.6 U	3.8 U
Fluorene	140	0.057 U	0.059 U	55 U	1.9	0.056 U	0.064 U	0.055 U	0.067 U	0.56 U	0.30 U	60	0.77	210	170
Indeno(1,2,3-cd)pyrene	12 U	0.11 U	0.11 U	110 U	0.11 U	0.11 U	0.12 U	0.11 U	0.13 U	1.1 U	0.57 U	5.3 U	0.11 U	10 U	5.2 U
Naphthalene	12000	0.063 U	0.065 U	11000	38	0.062 U	2.7	0.061 U	0.074 U	0.62 U	0.33 U	1300	1000	9100	7000
Phenanthrene	210	0.35	0.063 U	810	1.9	0.060 U	0.91	0.24	0.28	0.60 U	1.1	41	4.4	190	150
Pyrene	8.3 U	0.074 U	0.077 U	73 U	1.4	0.073 U	0.084 U	0.073 U	0.088 U	0.74 U	0.40 U	3.7 U	2.1	7.2 U	3.6 U
Metals, Method 6020 (ug/l)															
Arsenic, dissolved	22	0.078 U	0.078 U	15	0.078 U	0.078 U	1.1	1.1	0.078 U	0.078 U	0.078 U	47	0.078 U	33	34
Chromium, dissolved	0.070 U	0.070 U	0.070 U	0.07 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	5.1	0.070 U	0.070 U
Copper, dissolved	1.1	1.4	1.2	2.1	1.3 B	2.1	5.1	1.2	1.5	1.9	2.9	0.22 U	1.9	0.22 U	0.22 U
Lead, dissolved	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U
Zinc, dissolved	28	1.1 U	1.1 U	220	1.1 U	13	59	1.1 U	12	21	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U

Notes:

ug/l = micrograms per liter

U = result not detected at reported concentration

B = blank contamination

J = estimated result

Shallow Zone - Northern Area
South Cavalcade

P R E L I M I N A R Y

CONSTITUENT	DP13N-01S 5/24/2013 Primary	DP13N-03S 5/24/2013 Primary	DP13N-04S 5/31/2013 Primary	DP13N-04S 5/31/2013 Duplicate	DP13N-05S 6/3/2013 Primary	DP13N-08S 6/11/2013 Primary	DP13N-09S 6/7/2013 Primary	PZN-20 5/28/2013 Primary	PZN-30 5/23/2013 Primary	PZN-40 5/28/2013 Primary	PZN-40 5/28/2013 Duplicate	PZN-50 5/28/2013 Primary	MW-01 5/23/2013 Primary	MW-03 5/22/2013 Primary	OW-07 5/22/2013 Primary	OW-08 5/22/2013 Primary	OW-09 5/23/2013 Primary	OW-14 5/29/2013 Primary	MW-05 5/22/2013 Primary	OW-13 5/29/2013 Primary
Volatile Organic Compounds, Method 8260B (ug/l)																				
1,1,1-Trichloroethane	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	3.3 U	0.82 U	3.3 U	3.3 U	3.3 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
1,1,2,2-Tetrachloroethane	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.84 U	0.21 U	0.84 U	0.84 U	0.84 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.2 U	0.31 U	1.2 U	1.2 U	1.2 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
1,1,2-Trichloroethane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.92 U	0.23 U	0.92 U	0.92 U	0.92 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,1-Dichloroethane	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	1.5 U	0.38 U	1.5 U	1.5 U	1.5 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,1-Dichloroethylene	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.2 U	0.29 U	1.2 U	1.2 U	1.2 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
1,2,4-Trichlorobenzene	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	1.6 U	0.41 U	1.6 U	1.6 U	1.6 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
1,2-Dibromo-3-chloropropane	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	1.6 U	0.39 U	1.6 U	1.6 U	1.6 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
1,2-Dibromoethane	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	2.9 U	0.73 U	2.9 U	2.9 U	2.9 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
1,2-Dichlorobenzene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	3.2 U	0.79 U	3.2 U	3.2 U	3.2 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2-Dichloroethane	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.84 U	0.21 U	0.84 U	0.84 U	0.84 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
1,2-Dichloropropane	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	2.9 U	0.72 U	2.9 U	2.9 U	2.9 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
1,3-Dichlorobenzene	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	3.1 U	0.78 U	3.1 U	3.1 U	3.1 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
1,4-Dichlorobenzene	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	3.4 U	0.84 U	3.4 U	3.4 U	3.4 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U
2-Butanone	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	5.3 U	1.3 U	5.3 U	5.3 U	5.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
2-Hexanone	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	5.0 U	1.2 U	5.0 U	5.0 U	5.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
4-Methyl-2-pentanone	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	8.4 U	2.1 U	8.4 U	8.4 U	8.4 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Acetone	3 U	3 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	12 U	3.0 U	240	240	12 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Benzene	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	13	0.41 U	13	13	1.6 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Bromodichloromethane	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	1.6 U	0.39 U	1.6 U	1.6 U	1.6 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
Bromoform	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	1.0 U	0.26 U	1.0 U	1.0 U	1.0 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromomethane	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	2.8 U	0.69 U	2.8 U	2.8 U	2.8 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Carbon disulfide	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.76 U	0.19 U	0.76 U	0.76 U	0.76 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon Tetrachloride	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U	1.1 U	1.1 U	1.1 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Chlorobenzene	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	3.0 U	0.75 U	3.0 U	3.0 U	3.0 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloroethane	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1.3 U	0.32 U	1.3 U	1.3 U	1.3 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Chloroform	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.4 U	0.34 U	1.4 U	1.4 U	1.4 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Chloromethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	1.4 U	0.35 U	1.4 U	1.4 U	1.4 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
cis-1,2-Dichloroethylene	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	3.2 U	0.81 U	3.2 U	3.2 U	3.2 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
cis-1,3-Dichloropropene	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	1.4 U	0.36 U	1.4 U	1.4 U	1.4 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Cyclohexane	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.72 U	0.18 U	0.72 U	0.72 U	0.72 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Dibromochloromethane	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1.3 U	0.32 U	1.3 U	1.3 U	1.3 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Dichlorodifluoromethane	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	2.7 U	0.68 U	2.7 U	2.7 U	2.7 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
Ethylbenzene	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	44	1.2	53	52	21	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	14	0.74 U	0.74 U
Isopropylbenzene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.9	0.79 U	3.2 U	0.79 U	4.2	4.1	3.2 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.8	0.79 U	0.79 U
Methyl Acetate	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylcyclohexane	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.64 U	0.16 U	0.64 U	0.64 U	0.64 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Methylene chloride	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.8 U	0.44 U	1.8 U	1.8 U	1.8 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Methyltert-butylether	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.64 U	0.16 U	0.64 U	0.64 U	0.64 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Styrene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	2.9 U	0.73 U	2.9 U	2.9 U	2.9 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	3.5	0.73 U	0.73 U
Tetrachloroethylene	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	1.4 U	0.36 U	1.4 U	1.4 U	1.4 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Toluene	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	27	0.51 U	65	63	2.0 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	9.8	0.51 U	0.51 U
trans-1,2-Dichloroethene	0.9 U	0.9 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	3.6 U	0.90 U	3.6 U	3.6 U	3.6 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
Trans-1,3-Dichloropropene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	1.5 U	0.37 U	1.5 U	1.5 U	1.5 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
Trichloroethylene	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	1.8 U	0.46 U	1.8 U	1.8 U	1.8 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Trichlorofluoromethane	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	3.5 U	0.88 U	3.5 U	3.5 U	3.5 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Vinyl chloride	0.9 U	0.9 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	3.6 U	0.90 U	3.6 U	3.6 U	3.6 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
Xylene (total)	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	3.2	0.66 U	110	0.66 U	170	170	19	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	47	0.66 U	0.66 U

Shallow Zone - Northern Area
South Cavalcade

CONSTITUENT	DP13N-01S 5/24/2013 Primary	DP13N-03S 5/24/2013 Primary	DP13N-04S 5/31/2013 Primary	DP13N-04S 5/31/2013 Duplicate	DP13N-05S 6/3/2013 Primary	DP13N-08S 6/11/2013 Primary	DP13N-09S 6/7/2013 Primary	PZN-20 5/28/2013 Primary	PZN-30 5/23/2013 Primary	PZN-40 5/28/2013 Primary	PZN-40 5/28/2013 Duplicate	PZN-50 5/28/2013 Primary	MW-01 5/23/2013 Primary	MW-03 5/22/2013 Primary	OW-07 5/22/2013 Primary	OW-08 5/22/2013 Primary	OW-09 5/23/2013 Primary	OW-14 5/29/2013 Primary	MW-05 5/22/2013 Primary	OW-13 5/29/2013 Primary
Semivolatile Organic Compounds, Method 8270C (ug/l)																				
1,1'-Biphenyl	0.033 U	0.032 U	0.032 U	0.032 U	0.032 U	16 U	0.032 U	3.2 U	1.6 U	3.3 U	3.3 U	3.2 U	0.65 U	0.032 U	0.032 U	0.032 U	0.032 U	33 U	0.032 U	0.033 U
2,4,5-Trichlorophenol	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	31 U	0.062 U	6.2 U	3.1 U	6.2 U	6.2 U	6.2 U	1.2 U	0.062 U	0.062 U	0.062 U	0.062 U	63 U	0.062 U	0.062 U
2,4,6-Trichlorophenol	0.069 U	0.069 U	0.068 U	0.069 U	0.069 U	35 U	0.069 U	6.9 U	3.4 U	6.9 U	6.9 U	6.9 U	1.4 U	0.069 U	0.069 U	0.068 U	0.069 U	70 U	0.069 U	0.069 U
2,4-Dichlorophenol	0.054 U	0.054 U	0.053 U	0.053 U	0.053 U	27 U	0.053 U	5.3 U	2.7 U	5.4 U	5.4 U	5.3 U	1.1 U	0.053 U	0.053 U	0.053 U	0.053 U	54 U	0.053 U	0.054 U
2,4-Dimethylphenol	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	140 U	0.29 U	200	14 U	390 J	560 J	29 U	5.7 U	0.29 U	0.29 U	0.29 U	0.29 U	290 U	0.29 U	0.29 U
2,4-Dinitrophenol	0.58 U	0.57 U	0.57 U	0.57 U	0.57 U	290 U	0.57 U	57 U	29 U	58 U	57 U	57 U	11 U	0.57 U	0.57 U	0.57 U	0.57 U	580 U	0.57 U	0.58 U
2,4-Dinitrotoluene	0.033 U	0.032 U	0.032 U	0.032 U	0.032 U	16 U	0.032 U	3.2 U	1.6 U	3.3 U	3.3 U	3.2 U	0.65 U	0.032 U	0.032 U	0.032 U	0.032 U	33 U	0.032 U	0.033 U
2,6-Dinitrotoluene	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	44 U	0.087 U	8.7 U	4.3 U	8.7 U	8.7 U	8.7 U	1.7 U	0.087 U	0.087 U	0.086 U	0.087 U	88 U	0.087 U	0.087 U
2-Chloronaphthalene	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	32 U	0.063 U	6.3 U	3.1 U	6.3 U	6.3 U	6.3 U	1.3 U	0.063 U	0.063 U	0.063 U	0.063 U	64 U	0.063 U	0.063 U
2-Chlorophenol	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	32 U	0.063 U	6.3 U	3.1 U	6.3 U	6.3 U	6.3 U	1.3 U	0.063 U	0.063 U	0.063 U	0.063 U	64 U	0.063 U	0.063 U
2-Methylnaphthalene	0.05 U	0.05 U	0.049 U	0.049 U	0.049 U	25 U	0.050 U	400	2.5 U	680	690	66	12	0.050 U	0.050 U	0.049 U	0.050 U	51 U	0.049 U	0.050 U
2-Methylphenol	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	68 U	0.13 U	13 U	6.7 U	13 U	120	13 U	2.7 U	0.13 U	0.13 U	0.13 U	0.13 U	140 U	0.13 U	0.13 U
2-Nitroaniline	0.091 U	0.091 U	0.090 U	0.090 U	0.090 U	46 U	0.090 U	9.1 U	4.5 U	9.1 U	9.1 U	9.0 U	1.8 U	0.091 U	0.091 U	0.090 U	0.090 U	92 U	0.090 U	0.091 U
2-Nitrophenol	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	30 U	0.059 U	5.9 U	3.0 U	6.0 U	5.9 U	5.9 U	1.2 U	0.059 U	0.059 U	0.059 U	0.059 U	60 U	0.059 U	0.060 U
3,3-Dichlorobenzidine	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	110 U	0.21 U	21 U	10 U	21 U	21 U	21 U	4.2 U	0.21 U	0.21 U	0.21 U	0.21 U	210 U	0.21 U	0.21 U
3-Nitroaniline	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	63 U	0.12 U	12 U	6.2 U	12 U	12 U	12 U	2.5 U	0.12 U	0.12 U	0.12 U	0.12 U	130 U	0.12 U	0.12 U
4,6-Dinitro-2-methylphenol	0.71 U	0.71 U	0.70 U	0.70 U	0.70 U	360 U	0.70 U	71 U	35 U	71 U	71 U	70 U	14 U	0.71 U	0.71 U	0.70 U	0.70 U	720 U	0.70 U	0.71 U
4-Bromophenylphenyl ether	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	44 U	0.087 U	8.7 U	4.3 U	8.7 U	8.7 U	8.7 U	1.7 U	0.087 U	0.087 U	0.086 U	0.087 U	88 U	0.087 U	0.087 U
4-Chloro-3-methylphenol	0.051 U	0.051 U	0.050 U	0.050 U	0.050 U	26 U	0.050 U	5.1 U	2.5 U	5.1 U	5.1 U	5.0 U	1.0 U	0.051 U	0.051 U	0.050 U	0.050 U	52 U	0.050 U	0.051 U
4-Chloroaniline	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	63 U	0.12 U	12 U	6.2 U	12 U	12 U	12 U	2.5 U	0.12 U	0.12 U	0.12 U	0.12 U	130 U	0.12 U	0.12 U
4-Chlorophenyl phenyl ether	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	22 U	0.044 U	4.4 U	2.2 U	4.4 U	4.4 U	4.4 U	0.88 U	0.044 U	0.044 U	0.044 U	0.044 U	45 U	0.044 U	0.044 U
4-Methylphenol	0.09 U	0.09 U	0.089 U	0.089 U	0.089 U	45 U	0.090 U	9.0 U	4.5 U	9.0 U	130	9.0 U	1.8 U	0.090 U	0.090 U	0.089 U	0.090 U	91 U	0.089 U	0.090 U
4-Nitroaniline	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	12 U	0.024 U	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	0.48 U	0.024 U	0.024 U	0.024 U	0.024 U	24 U	0.024 U	0.024 U
4-Nitrophenol	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	190 U	0.37 U	37 U	19 U	37 U	37 U	37 U	7.4 U	0.37 U	0.37 U	0.37 U	0.37 U	380 U	0.37 U	0.37 U
Acenaphthene	0.035 U	0.034 U	0.034 U	0.034 U	0.034 U	490	0.034 U	300	65	480	510	170	57	0.034 U	0.034 U	0.034 U	0.034 U	35 U	0.034 U	0.035 U
Acenaphthylene	0.054 U	0.054 U	0.053 U	0.053 U	0.053 U	27 U	0.053 U	5.3 U	2.7 U	5.4 U	5.4 U	5.3 U	1.1 U	0.053 U	0.053 U	0.053 U	0.053 U	54 U	0.053 U	0.054 U
Acetophenone	0.096 U	0.096 U	0.095 U	0.095 U	0.095 U	48 U	0.095 U	9.5 U	4.8 U	9.6 U	9.6 U	9.5 U	1.9 U	0.095 U	0.095 U	0.095 U	0.095 U	97 U	0.095 U	0.096 U
Anthracene	0.033 U	0.032 U	0.032 U	0.032 U	0.032 U	16 U	0.032 U	3.2 U	1.6 U	3.3 U	3.3 U	3.2 U	0.65 U	0.032 U	0.032 U	0.032 U	0.032 U	33 U	0.032 U	0.033 U
Atrazine	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	140 U	0.28 U	28 U	14 U	28 U	28 U	28 U	5.5 U	0.28 U	0.28 U	0.28 U	0.28 U	280 U	0.28 U	0.28 U
Benzaldehyde	0.072 U	0.072 U	0.071 U	0.071 U	0.071 U	36 U	0.071 U	7.1 U	3.6 U	7.2 U	7.2 U	7.1 U	1.4 U	0.072 U	0.072 U	0.071 U	0.071 U	73 U	0.071 U	0.072 U
Benzo(a)anthracene	0.033 U	0.032 U	0.032 U	0.032 U	0.032 U	16 U	0.032 U	3.2 U	1.6 U	3.3 U	3.3 U	3.2 U	0.65 U	0.032 U	0.032 U	0.032 U	0.032 U	33 U	0.032 U	0.033 U
Benzo(a)pyrene	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	63 U	0.12 U	12 U	6.2 U	12 U	12 U	12 U	2.5 U	0.12 U	0.12 U	0.12 U	0.12 U	130 U	0.12 U	0.12 U
Benzo(b)fluoranthene	0.06 U	0.06 U	0.060 U	0.060 U	0.060 U	30 U	0.060 U	6.0 U	3.0 U	6.1 U	6.0 U	6.0 U	1.2 U	0.060 U	0.060 U	0.060 U	0.060 U	61 U	0.060 U	0.061 U
Benzo(ghi)perylene	0.056 U	0.055 U	0.055 U	0.055 U	0.055 U	28 U	0.055 U	5.5 U	2.8 U	5.6 U	5.5 U	5.5 U	1.1 U	0.055 U	0.055 U	0.055 U	0.055 U	56 U	0.055 U	0.056 U
Benzo(k)fluoranthene	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	34 U	0.067 U	6.7 U	3.3 U	6.7 U	6.7 U	6.7 U	1.3 U	0.067 U	0.067 U	0.067 U	0.067 U	68 U	0.067 U	0.067 U
Bis(2-chloroethoxy)methane	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U	42 U	0.061 U	8.2 U	3.0 U	8.3 U	8.2 U	8.2 U	1.2 U	0.061 U	0.061 U	0.061 U	0.061 U	62 U	0.061 U	0.061 U
Bis(2-chloroethyl)ether	0.069 U	0.069 U	0.068 U	0.069 U	0.069 U	31 U	0.069 U	6.1 U	3.4 U	6.2 U	6.1 U	6.1 U	1.4 U	0.069 U	0.069 U	0.068 U	0.069 U	70 U	0.069 U	0.069 U
Bis(2-chloroisopropyl)ether	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U	35 U	0.082 U	6.9 U	4.1 U	6.9 U	6.9 U	6.9 U	1.6 U	0.082 U	0.082 U	0.082 U	0.082 U	84 U	0.082 U	0.083 U
bis(2-Ethylhexyl) phthalate	0.4 U	0.4 U	0.40 U	0.40 U	0.40 U	200 U	0.40 U	40 U	20 U	40 U	40 U	40 U	8.0 U	0.40 U	0.40 U	0.40 U	0.40 U	410 U	0.40 U	0.40 U
Butyl benzyl phthalate	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	77 U	0.15 U	15 U	7.6 U	15 U	15 U	15 U	3.0 U	0.15 U	0.15 U	0.15 U	0.15 U	160 U	0.15 U	0.15 U
Caprolactam	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	110 U	0.21 U	21 U	10 U	21 U	21 U	21 U	4.2 U	0.21 U	0.21 U	0.21 U	0.21 U	210 U	0.21 U	0.21 U
Carbazole	0.076 U	0.075 U	0.075 U	0.075 U	0.075 U	38 U	0.075 U	7.5 U	3.8 U	7.6 U	530	7.5 U	1.5 U	0.075 U	0.075 U	0.075 U	0.075 U	77 U	0.075 U	0.076 U
Chrysene	0.071 U	0.071 U	0.070 U	0.070 U	0.070 U	36 U	0.070 U	7.1 U	3.5 U	7.1 U	7.1 U	7.0 U	1.4 U	0.071 U	0.071 U	0.070 U	0.070 U	72 U	0.070 U	0.071 U
Dibenzo(a,h)anthracene	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	34 U	0.067 U	6.7 U	3.3 U	6.7 U	6.7 U	6.7 U	1.3 U	0.067 U	0.067 U	0.067 U	0.067 U	68 U	0.067 U	0.067 U
Dibenzofuran	0.058 U	0.057 U	0.057 U	0.057 U	0.057 U	29 U	0.057 U	5.7 U	2.9 U	5.8 U	5.7 U	5.7 U	1.1 U	0.057 U	0.057 U	0.057 U	0.057 U	58 U	0.057 U	0.058 U
Diethyl phthalate	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U	31 U	0.061 U	6.1 U	3.0 U	6.2 U	6.1 U	6.1 U	1.2 U	0.061 U	0.061 U	0.061 U	0.061 U	62 U	0.061 U	0.061 U
Dimethyl phthalate	0.055 U	0.054 U	0.054 U	0.054 U	0.054 U	28 U	0.054 U	5.4 U	2.7 U	5.5 U	5.5 U	5.4 U	1.1 U	0.054 U	0.054 U	0.054 U	0.054 U	55 U	0.054 U	0.055 U
Di-n-butyl phthalate	0.34 U	0.33 U	0.33 U	0.33 U	0.33 U	170 U	0.33 U	33 U	17 U	34 U	33 U	33 U	6.7 U	0.33 U	0.33 U	0.33 U	0.33 U	340 U	0.33 U	0.34 U
Di-n-octyl phthalate	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	97 U	0.19 U	19 U	9.5 U	19 U	19 U	19 U	3.8 U	0.19 U	0.19 U	0.19 U	0.19 U	190 U	0.19 U	0.19 U

Shallow Zone - Northern Area
South Cavalcade

CONSTITUENT	DP13N-01S 5/24/2013 Primary	DP13N-03S 5/24/2013 Primary	DP13N-04S 5/31/2013 Primary	DP13N-04S 5/31/2013 Duplicate	DP13N-05S 6/3/2013 Primary	DP13N-08S 6/11/2013 Primary	DP13N-09S 6/7/2013 Primary	PZN-20 5/28/2013 Primary	PZN-30 5/23/2013 Primary	PZN-40 5/28/2013 Primary	PZN-40 5/28/2013 Duplicate	PZN-50 5/28/2013 Primary	MW-01 5/23/2013 Primary	MW-03 5/22/2013 Primary	OW-07 5/22/2013 Primary	OW-08 5/22/2013 Primary	OW-09 5/23/2013 Primary	OW-14 5/29/2013 Primary	MW-05 5/22/2013 Primary	OW-13 5/29/2013 Primary
Fluoranthene	0.077 U	0.076 U	0.076 U	0.076 U	0.076 U	39 U	0.076 U	7.6 U	3.8 U	7.7 U	61	7.6 U	1.5 U	0.076 U	0.076 U	0.076 U	0.076 U	78 U	0.076 U	0.077 U
Fluorene	0.056 U	0.055 U	0.055 U	0.055 U	0.055 U	28 U	0.055 U	120	24	220	250	66	18	0.055 U	0.055 U	0.055 U	0.055 U	56 U	0.055 U	0.056 U
Hexachlorobenzene	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	110 U	0.21 U	21 U	10 U	21 U	21 U	21 U	4.2 U	0.21 U	0.21 U	0.21 U	0.21 U	210 U	0.21 U	0.21 U
Hexachlorobutadiene	0.096 U	0.096 U	0.095 U	0.095 U	0.095 U	48 U	0.095 U	9.5 U	4.8 U	9.6 U	9.6 U	9.5 U	1.9 U	0.095 U	0.095 U	0.095 U	0.095 U	97 U	0.095 U	0.096 U
Hexachlorocyclopentadiene	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	44 U	0.087 U	8.7 U	4.3 U	8.7 U	8.7 U	8.7 U	1.7 U	0.087 U	0.087 U	0.086 U	0.087 U	88 U	0.087 U	0.087 U
Hexachloroethane	0.084 U	0.084 U	0.084 U	0.084 U	0.084 U	43 U	0.084 U	8.4 U	4.2 U	8.5 U	8.4 U	8.4 U	1.7 U	0.084 U	0.084 U	0.084 U	0.084 U	86 U	0.084 U	0.085 U
Indeno(1,2,3-cd)pyrene	0.11 U	0.11 U	0.10 U	0.10 U	0.10 U	53 U	0.10 U	10 U	5.2 U	11 U	11 U	10 U	2.1 U	0.10 U	0.10 U	0.10 U	0.10 U	110 U	0.10 U	0.11 U
Isophorone	0.049 U	0.049 U	0.048 U	0.049 U	0.049 U	25 U	0.049 U	4.9 U	2.4 U	4.9 U	4.9 U	4.9 U	0.97 U	0.049 U	0.049 U	0.048 U	0.049 U	50 U	0.049 U	0.049 U
Naphthalene	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U	1600	0.061 U	8100	840	11000	11000	3600	330	0.061 U	0.061 U	0.061 U	0.061 U	3200	0.061 U	2.6 B
Nitrobenzene	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	31 U	0.062 U	6.2 U	3.1 U	6.2 U	6.2 U	6.2 U	1.2 U	0.062 U	0.062 U	0.062 U	0.062 U	63 U	0.062 U	0.062 U
N-Nitrosodiphenylamine	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	34 U	0.067 U	6.7 U	3.3 U	6.7 U	6.7 U	6.7 U	1.3 U	0.067 U	0.067 U	0.067 U	0.067 U	68 U	0.067 U	0.067 U
N-Nitrosodipropylamine	0.058 U	0.057 U	0.057 U	0.057 U	0.057 U	29 U	0.057 U	5.7 U	2.9 U	5.8 U	5.7 U	5.7 U	1.1 U	0.057 U	0.057 U	0.057 U	0.057 U	58 U	0.057 U	0.058 U
Pentachlorophenol	0.33 U	0.33 U	0.32 U	0.32 U	0.32 U	160 U	0.32 U	32 U	16 U	120	120	32 U	6.5 U	0.33 U	0.32 U	0.32 U	0.32 U	330 U	0.32 U	0.33 U
Phenanthrene	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	120	0.059 U	56	10	260	330	51	1.2 U	0.2	0.059 U	0.059 U	0.059 U	250	0.22	0.37
Phenol	0.096 U	0.096 U	0.095 U	0.095 U	0.095 U	48 U	0.095 U	9.5 U	4.8 U	9.6 U	9.6 U	9.5 U	1.9 U	0.095 U	0.095 U	0.095 U	0.095 U	97 U	0.095 U	0.096 U
Pyrene	0.073 U	0.073 U	0.072 U	0.072 U	0.072 U	37 U	0.072 U	7.2 U	3.6 U	7.3 U	7.3 U	7.2 U	1.4 U	0.072 U	0.072 U	0.072 U	0.072 U	74 U	0.072 U	0.073 U
Metals, Method 6020 (ug/l)																				
Arsenic	1	0.078 U	0.078 U	0.078 U	0.078 U	3.8	0.078 U	33	0.078 U	550	540	3.5	45	0.078 U	1	0.078 U	0.078 U	19	0.078 U	1
Arsenic, dissolved	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	2	0.078 U	37	0.078 U	540	570	3.5	38	0.078 U	0.078 U	0.078 U	0.078 U	17	0.078 U	0.078 U
Chromium	5.7	0.07 U	0.070 U	1.5	2.5	23	0.070 U	0.070 U	0.070 U	5.7	5.5	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U
Chromium, dissolved	0.07 U	0.07 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	5.3	5.8	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U
Copper	1.8	0.22 U	1.5 J	1.1 J	1.7	10	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.4	1.3 B	0.22 U	0.22 U
Copper, dissolved	0.22 U	1.2	0.22 U	1.2	1.1	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.3	1.6	1	2.4	0.22 U	1.2	0.22 U
Lead	2.1	0.069 U	0.069 U	0.069 U	2.4	19	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U
Lead, dissolved	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U
Zinc	29	45	1.1 U	1.1 U	1.1 U	29	1.1 U	1.1 U	1.1 U	11	10	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	82
Zinc, dissolved	21	43	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U

Notes:

ug/l = micrograms per liter

U = result not detected at reported concentration

B = blank contamination

J = estimated result

Shallow Zone - Southern Area
South Cavalcade

CONSTITUENT	DP13S-01S 6/1/2013 Primary	DP13S-02S 6/3/2013 Primary	DP13S-03S 5/21/2013 Primary	DP13S-04S 5/21/2013 Primary	DP13S-05S 5/24/2013 Primary	DP13S-06S 5/29/2013 Primary	DP13S-07S 5/29/2013 Primary	DP13S-08S 6/3/2013 Primary	DP13S-10S 6/4/2013 Primary	DP13S-10S 6/4/2013 Duplicate	DP13S-13S 6/12/2013 Primary	MW-04 5/30/2013 Primary	MW-26 5/24/2013 Primary	PZS-30 5/30/2013 Primary	PZS-40 5/30/2013 Primary	PZS-60 5/29/2013 Primary
Volatile Organic Compounds, Method 8260B (ug/l)																
1,1,1-Trichloroethane	0.82 U	0.82 U	0.82 U	4.1 U	4.1 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U
1,1,2,2-Tetrachloroethane	0.21 U	0.21 U	0.21 U	1.1 U	1.1 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.42 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31 U	0.31 U	0.31 U	1.6 U	1.6 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.62 U
1,1,2-Trichloroethane	0.23 U	0.23 U	0.23 U	1.2 U	1.2 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.46 U
1,1-Dichloroethane	0.38 U	0.38 U	0.38 U	1.9 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.76 U
1,1-Dichloroethylene	0.29 U	0.29 U	0.29 U	1.5 U	1.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.58 U
1,2,4-Trichlorobenzene	0.41 U	0.41 U	0.41 U	2.1 U	2.1 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.82 U
1,2-Dibromo-3-chloropropane	0.39 U	0.39 U	0.39 U	2.0 U	2 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.78 U
1,2-Dibromoethane	0.73 U	0.73 U	0.73 U	3.7 U	3.7 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	1.5 U
1,2-Dichlorobenzene	0.79 U	0.79 U	0.79 U	4.0 U	4 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U
1,2-Dichloroethane	0.21 U	0.21 U	0.21 U	1.1 U	1.1 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.42 U
1,2-Dichloropropane	0.72 U	0.72 U	0.72 U	3.6 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U
1,3-Dichlorobenzene	0.78 U	0.78 U	0.78 U	3.9 U	3.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U
1,4-Dichlorobenzene	0.84 U	0.84 U	0.84 U	4.2 U	4.2 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	1.7 U
2-Butanone	1.3 U	1.3 U	1.3 U	6.6 U	6.6 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.6 U
2-Hexanone	1.2 U	1.2 U	1.2 U	6.2 U	6.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.5 U
4-Methyl-2-pentanone	2.1 U	2.1 U	2.1 U	11 U	11 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U
Acetone	18	51	3.0 U	15 U	15 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3 U	3.0 U	3.0 U	6.0 U
Benzene	0.41 U	0.41 U	0.41 U	2.1 U	12	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	6.2	0.41 U	0.82 U
Bromodichloromethane	0.39 U	0.39 U	0.39 U	2.0 U	2 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.78 U
Bromoform	0.26 U	0.26 U	0.26 U	1.3 U	1.3 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.52 U
Bromomethane	0.69 U	0.69 U	0.69 U	3.5 U	3.5 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U
Carbon disulfide	0.19 U	0.19 U	0.19 U	0.95 U	0.95 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.38 U
Carbon Tetrachloride	0.27 U	0.27 U	0.27 U	1.4 U	1.4 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.54 U
Chlorobenzene	0.75 U	0.75 U	0.75 U	3.8 U	3.8 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	1.5 U
Chloroethane	0.32 U	0.32 U	0.32 U	1.6 U	1.6 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.64 U
Chloroform	0.34 U	0.34 U	0.34 U	1.7 U	1.7 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.68 U
Chloromethane	0.35 U	0.35 U	0.35 U	1.8 U	1.8 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.70 U
cis-1,2-Dichloroethylene	0.81 U	0.81 U	0.81 U	4.1 U	4.1 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U
cis-1,3-Dichloropropene	0.36 U	0.36 U	0.36 U	1.8 U	1.8 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.72 U
Cyclohexane	0.18 U	0.18 U	0.18 U	0.90 U	0.9 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.36 U
Dibromochloromethane	0.32 U	0.32 U	0.32 U	1.6 U	1.6 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.64 U
Dichlorodifluoromethane	0.68 U	0.68 U	0.68 U	3.4 U	3.4 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	1.4 U
Ethylbenzene	0.74 U	0.74 U	0.74 U	3.7 U	19	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	3.3	0.74 U	1.5 U
Isopropylbenzene	0.79 U	0.79 U	0.79 U	4.0 U	4 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U
Methyl Acetate	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.50 U	0.50 U	1.0 U
Methylcyclohexane	0.16 U	0.16 U	0.16 U	0.80 U	0.8 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.32 U
Methylene chloride	0.44 U	0.44 U	0.44 U	2.2 U	2.2 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U
Methyltert-butylether	8.2	1.6	1.6	140	0.8 U	0.16 U	0.16 U	0.16 U	2.6	2.6	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.32 U
Styrene	0.73 U	0.73 U	0.73 U	3.7 U	3.7 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	1.5 U
Tetrachloroethylene	0.36 U	0.36 U	0.36 U	1.8 U	1.8 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.72 U
Toluene	0.51 U	0.51 U	0.51 U	2.6 U	22	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U
trans-1,2-Dichloroethene	0.90 U	0.90 U	0.90 U	4.5 U	4.5 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.9 U	0.90 U	0.90 U	1.8 U
Trans-1,3-Dichloropropene	0.37 U	0.37 U	0.37 U	1.9 U	1.9 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.74 U
Trichloroethylene	0.46 U	0.46 U	0.46 U	2.3 U	2.3 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.92 U
Trichlorofluoromethane	0.88 U	0.88 U	0.88 U	4.4 U	4.4 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	1.8 U
Vinyl chloride	0.90 U	0.90 U	0.90 U	4.5 U	4.5 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.9 U	0.90 U	0.90 U	1.8 U
Xylene (total)	0.66 U	0.66 U	0.66 U	3.3 U	58	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	3.6	0.66 U	1.3 U

Shallow Zone - Southern Area
South Cavalcade

CONSTITUENT	DP13S-01S 6/1/2013 Primary	DP13S-02S 6/3/2013 Primary	DP13S-03S 5/21/2013 Primary	DP13S-04S 5/21/2013 Primary	DP13S-05S 5/24/2013 Primary	DP13S-06S 5/29/2013 Primary	DP13S-07S 5/29/2013 Primary	DP13S-08S 6/3/2013 Primary	DP13S-10S 6/4/2013 Primary	DP13S-10S 6/4/2013 Duplicate	DP13S-13S 6/12/2013 Primary	MW-04 5/30/2013 Primary	MW-26 5/24/2013 Primary	PZS-30 5/30/2013 Primary	PZS-40 5/30/2013 Primary	PZS-60 5/29/2013 Primary
Semivolatile Organic Compounds, Method 8270C (ug/l)																
1,1'-Biphenyl	0.17 U	3.3 U	0.033 U	0.033 U	0.33 U	20	0.032 U	0.033 U	0.033 U	0.033 U	0.17 U	0.032 U	0.032 U	0.034 U	0.032 U	0.032 U
2,4,5-Trichlorophenol	0.32 U	6.4 U	0.063 U	0.063 U	0.62 U	0.067 U	0.062 U	0.063 U	0.063 U	0.062 U	0.32 U	0.062 U	0.062 U	0.064 U	0.062 U	0.062 U
2,4,6-Trichlorophenol	0.35 U	7.1 U	0.070 U	0.070 U	0.69 U	0.074 U	0.069 U	0.070 U	0.069 U	0.069 U	0.36 U	0.068 U	0.069 U	0.071 U	0.068 U	0.068 U
2,4-Dichlorophenol	0.27 U	5.5 U	0.054 U	0.055 U	0.54 U	0.058 U	0.053 U	0.054 U	0.054 U	0.054 U	0.28 U	0.053 U	0.053 U	0.055 U	0.053 U	0.053 U
2,4-Dimethylphenol	1.5 U	30 U	0.29 U	0.29 U	12	0.31 U	0.29 U	0.29 U	0.29 U	0.29 U	1.5 U	0.28 U	0.29 U	0.30 U	0.28 U	0.28 U
2,4-Dinitrophenol	2.9 U	59 U	0.58 U	0.58 U	5.7 U	0.62 U	0.57 U	0.58 U	0.58 U	0.58 U	3.0 U	0.57 U	0.57 U	0.59 U	0.57 U	0.57 U
2,4-Dinitrotoluene	0.17 U	3.3 U	0.033 U	0.033 U	0.33 U	0.035 U	0.032 U	0.033 U	0.033 U	0.033 U	0.17 U	0.032 U	0.032 U	0.034 U	0.032 U	0.032 U
2,6-Dinitrotoluene	0.44 U	8.9 U	0.088 U	0.089 U	0.87 U	0.094 U	0.087 U	0.088 U	0.088 U	0.087 U	0.45 U	0.086 U	0.087 U	0.090 U	0.086 U	0.086 U
2-Chloronaphthalene	0.32 U	6.5 U	0.064 U	0.064 U	0.63 U	0.068 U	0.063 U	0.064 U	0.063 U	0.063 U	0.33 U	0.063 U	0.063 U	0.065 U	0.063 U	0.063 U
2-Chlorophenol	0.32 U	6.5 U	0.064 U	0.064 U	0.63 U	0.068 U	0.063 U	0.064 U	0.063 U	0.063 U	0.33 U	0.063 U	0.063 U	0.065 U	0.063 U	0.063 U
2-Methylnaphthalene	0.25 U	5.1 U	0.050 U	0.051 U	220	140	0.050 U	0.050 U	0.050 U	0.050 U	0.26 U	1.3	0.05 U	9.5	0.049 U	0.049 U
2-Methylphenol	0.68 U	14 U	0.14 U	0.14 U	1.3 U	0.14 U	0.13 U	0.14 U	0.13 U	0.13 U	0.70 U	0.13 U	0.13 U	0.14 U	0.13 U	0.13 U
2-Nitroaniline	0.46 U	9.3 U	0.092 U	0.092 U	0.91 U	0.098 U	0.091 U	0.092 U	0.091 U	0.091 U	0.47 U	0.090 U	0.091 U	0.094 U	0.090 U	0.090 U
2-Nitrophenol	0.30 U	6.1 U	0.060 U	0.060 U	0.59 U	0.064 U	0.059 U	0.060 U	0.060 U	0.060 U	0.31 U	0.059 U	0.059 U	0.061 U	0.059 U	0.059 U
3,3-Dichlorobenzidine	1.1 U	22 U	0.21 U	0.21 U	2.1 U	0.23 U	0.21 U	0.21 U	0.21 U	0.21 U	1.1 U	0.21 U	0.21 U	0.22 U	0.21 U	0.21 U
3-Nitroaniline	0.63 U	13 U	0.13 U	0.13 U	1.2 U	0.13 U	0.12 U	0.13 U	0.13 U	0.12 U	0.65 U	0.12 U	0.12 U	0.13 U	0.12 U	0.12 U
4,6-Dinitro-2-methylphenol	3.6 U	73 U	0.72 U	0.72 U	7.1 U	0.76 U	0.71 U	0.72 U	0.71 U	0.71 U	3.7 U	0.70 U	0.71 U	0.73 U	0.70 U	0.70 U
4-Bromophenylphenyl ether	0.44 U	8.9 U	0.088 U	0.089 U	0.87 U	0.094 U	0.087 U	0.088 U	0.088 U	0.087 U	0.45 U	0.086 U	0.087 U	0.090 U	0.086 U	0.086 U
4-Chloro-3-methylphenol	0.26 U	5.2 U	0.051 U	0.052 U	0.51 U	0.055 U	0.051 U	0.051 U	0.051 U	0.051 U	0.26 U	0.050 U	0.051 U	0.052 U	0.050 U	0.050 U
4-Chloroaniline	0.63 U	13 U	0.13 U	0.13 U	1.2 U	0.13 U	0.12 U	0.13 U	0.13 U	0.12 U	0.65 U	0.12 U	0.12 U	0.13 U	0.12 U	0.12 U
4-Chlorophenyl phenyl ether	0.22 U	4.5 U	0.044 U	0.045 U	0.44 U	0.047 U	0.044 U	0.045 U	0.044 U	0.044 U	0.23 U	0.044 U	0.044 U	0.045 U	0.044 U	0.044 U
4-Methylphenol	0.46 U	9.2 U	0.091 U	0.091 U	0.9 U	0.097 U	0.090 U	0.091 U	0.090 U	0.090 U	0.47 U	0.089 U	0.09 U	0.093 U	0.089 U	0.089 U
4-Nitroaniline	0.12 U	2.5 U	0.024 U	0.024 U	0.24 U	0.026 U	0.024 U	0.024 U	0.024 U	0.024 U	0.12 U	0.024 U	0.024 U	0.025 U	0.024 U	0.024 U
4-Nitrophenol	1.9 U	38 U	0.38 U	0.38 U	3.7 U	0.40 U	0.37 U	0.38 U	0.38 U	0.37 U	1.9 U	0.37 U	0.37 U	0.38 U	0.37 U	0.37 U
Acenaphthene	0.18 U	3.5 U	0.035 U	0.035 U	480	87	2.5	0.035 U	0.035 U	0.035 U	0.18 U	17	0.034 U	66	2.1	13
Acenaphthylene	0.27 U	5.5 U	0.054 U	0.055 U	7.2	1.6	0.053 U	0.054 U	0.054 U	0.054 U	0.28 U	0.053 U	0.053 U	0.61	0.053 U	0.053 U
Acetophenone	0.49 U	9.8 U	0.097 U	0.097 U	0.96 U	0.10 U	0.095 U	0.097 U	0.096 U	0.096 U	0.50 U	0.095 U	0.095 U	0.099 U	0.095 U	0.095 U
Anthracene	0.17 U	3.3 U	0.033 U	0.033 U	47	6.2	0.032 U	0.033 U	0.033 U	0.033 U	0.17 U	0.032 U	0.032 U	1.8	0.032 U	1.1
Atrazine	1.4 U	29 U	0.28 U	0.28 U	2.8 U	0.30 U	0.28 U	0.28 U	0.28 U	0.28 U	1.4 U	0.27 U	0.28 U	0.29 U	0.27 U	0.27 U
Benzaldehyde	0.37 U	7.4 U	0.073 U	0.073 U	0.72 U	0.077 U	0.072 U	0.073 U	0.072 U	0.072 U	0.37 U	0.071 U	0.072 U	0.074 U	0.071 U	0.071 U
Benzo(a)anthracene	0.17 U	3.3 U	0.033 U	0.033 U	5.3	1	0.032 U	0.033 U	0.033 U	0.033 U	0.17 U	0.032 U	0.032 U	0.034 U	0.032 U	0.032 U
Benzo(a)pyrene	0.63 U	13 U	0.13 U	0.13 U	1.2 U	0.13 U	0.12 U	0.13 U	0.13 U	0.12 U	0.65 U	0.12 U	0.12 U	0.13 U	0.12 U	0.12 U
Benzo(b)fluoranthene	0.31 U	6.2 U	0.061 U	0.061 U	0.6 U	0.065 U	0.060 U	0.061 U	0.061 U	0.060 U	0.31 U	0.060 U	0.06 U	0.062 U	0.060 U	0.060 U
Benzo(ghi)perylene	0.28 U	5.7 U	0.056 U	0.056 U	0.55 U	0.060 U	0.055 U	0.056 U	0.056 U	0.056 U	0.29 U	0.055 U	0.055 U	0.057 U	0.055 U	0.055 U
Benzo(k)fluoranthene	0.34 U	6.9 U	0.068 U	0.068 U	0.67 U	0.072 U	0.067 U	0.068 U	0.067 U	0.067 U	0.35 U	0.066 U	0.067 U	0.069 U	0.066 U	0.066 U
Bis(2-chloroethoxy)methane	0.31 U	6.3 U	0.062 U	0.062 U	0.61 U	0.066 U	0.061 U	0.062 U	0.062 U	0.061 U	0.32 U	0.061 U	0.061 U	0.063 U	0.061 U	0.061 U
Bis(2-chloroethyl)ether	0.35 U	7.1 U	0.070 U	0.070 U	0.69 U	0.074 U	0.069 U	0.070 U	0.069 U	0.069 U	0.36 U	0.068 U	0.069 U	0.071 U	0.068 U	0.068 U
Bis(2-chloroisopropyl)ether	0.42 U	8.5 U	0.083 U	0.084 U	0.82 U	0.089 U	0.082 U	0.083 U	0.083 U	0.083 U	0.43 U	0.081 U	0.082 U	0.085 U	0.081 U	0.082 U
bis(2-Ethylhexyl) phthalate	2.0 U	41 U	0.41 U	0.41 U	4 U	0.43 U	0.40 U	0.41 U	0.40 U	0.40 U	2.1 U	0.40 U	0.4 U	0.41 U	0.40 U	0.40 U
Butyl benzyl phthalate	0.78 U	16 U	0.15 U	0.16 U	1.5 U	0.17 U	0.15 U	0.15 U	0.15 U	0.15 U	0.80 U	0.15 U	0.15 U	0.16 U	0.15 U	0.15 U
Caprolactam	1.1 U	22 U	0.21 U	0.21 U	2.1 U	0.23 U	0.21 U	0.21 U	0.21 U	0.21 U	1.1 U	0.21 U	0.21 U	0.22 U	0.21 U	0.21 U
Carbazole	0.38 U	7.8 U	0.076 U	0.077 U	160	5.5	0.075 U	0.077 U	0.076 U	0.076 U	0.39 U	0.075 U	0.075 U	11	0.075 U	0.075 U
Chrysene	0.36 U	7.3 U	0.072 U	0.072 U	0.71 U	0.73	0.071 U	0.072 U	0.071 U	0.071 U	0.37 U	0.070 U	0.071 U	0.073 U	0.070 U	0.070 U
Dibenzo(a,h)anthracene	0.34 U	6.9 U	0.068 U	0.068 U	0.67 U	0.072 U	0.067 U	0.068 U	0.067 U	0.067 U	0.35 U	0.066 U	0.067 U	0.069 U	0.066 U	0.066 U
Dibenzofuran	0.29 U	5.9 U	0.058 U	0.058 U	190	3.1 U	0.057 U	0.058 U	0.058 U	0.058 U	0.30 U	0.057 U	0.057 U	16	0.057 U	0.057 U
Diethyl phthalate	0.31 U	6.3 U	0.062 U	0.062 U	0.61 U	0.066 U	0.061 U	0.062 U	0.062 U	0.061 U	0.32 U	0.061 U	0.061 U	0.063 U	0.061 U	0.061 U
Dimethyl phthalate	0.28 U	5.6 U	0.055 U	0.055 U	0.55 U	0.059 U	0.054 U	0.055 U	0.055 U	0.055 U	0.28 U	0.054 U	0.054 U	0.056 U	0.054 U	0.054 U

Shallow Zone - Southern Area
South Cavalcade

CONSTITUENT	DP13S-01S 6/1/2013 Primary	DP13S-02S 6/3/2013 Primary	DP13S-03S 5/21/2013 Primary	DP13S-04S 5/21/2013 Primary	DP13S-05S 5/24/2013 Primary	DP13S-06S 5/29/2013 Primary	DP13S-07S 5/29/2013 Primary	DP13S-08S 6/3/2013 Primary	DP13S-10S 6/4/2013 Primary	DP13S-10S 6/4/2013 Duplicate	DP13S-13S 6/12/2013 Primary	MW-04 5/30/2013 Primary	MW-26 5/24/2013 Primary	PZS-30 5/30/2013 Primary	PZS-40 5/30/2013 Primary	PZS-60 5/29/2013 Primary
Di-n-butyl phthalate	1.7 U	34 U	0.34 U	0.34 U	3.3 U	0.36 U	0.33 U	0.34 U	0.34 U	0.34 U	1.7 U	0.33 U	0.33 U	0.35 U	0.33 U	0.33 U
Di-n-octyl phthalate	0.97 U	20 U	0.19 U	0.19 U	1.9 U	0.21 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	0.19 U	0.19 U	0.20 U	0.19 U	0.19 U
Fluoranthene	0.39 U	7.9 U	0.077 U	0.078 U	58	14	19	0.077 U	0.077 U	0.077 U	2.8	0.67	0.6	8.5	0.076 U	0.56
Fluorene	0.28 U	5.7 U	0.056 U	0.056 U	340	51	1.6	0.056 U	0.056 U	0.056 U	0.29 U	3.8	0.055 U	19	0.49	0.055 U
Hexachlorobenzene	1.1 U	22 U	0.21 U	0.21 U	2.1 U	0.23 U	0.21 U	0.21 U	0.21 U	0.21 U	1.1 U	0.21 U	0.21 U	0.22 U	0.21 U	0.21 U
Hexachlorobutadiene	0.49 U	9.8 U	0.097 U	0.097 U	0.96 U	0.10 U	0.095 U	0.097 U	0.096 U	0.096 U	0.50 U	0.095 U	0.095 U	0.099 U	0.095 U	0.095 U
Hexachlorocyclopentadiene	0.44 U	8.9 U	0.088 U	0.089 U	0.87 U	0.094 U	0.087 U	0.088 U	0.088 U	0.087 U	0.45 U	0.086 U	0.087 U	0.090 U	0.086 U	0.086 U
Hexachloroethane	0.43 U	8.7 U	0.085 U	0.086 U	0.84 U	0.091 U	0.084 U	0.085 U	0.085 U	0.084 U	0.44 U	0.083 U	0.084 U	0.087 U	0.083 U	0.083 U
Indeno(1,2,3-cd)pyrene	0.54 U	11 U	0.11 U	0.11 U	1.1 U	0.11 U	0.10 U	0.11 U	0.11 U	0.11 U	0.55 U	0.10 U	0.1 U	0.11 U	0.10 U	0.10 U
Isophorone	0.25 U	5.0 U	0.049 U	0.050 U	0.49 U	0.053 U	0.049 U	0.049 U	0.049 U	0.049 U	0.25 U	0.048 U	0.049 U	0.050 U	0.048 U	0.048 U
Naphthalene	0.31 U	6.3 U	0.062 U	0.062 U	2400	270	0.061 U	0.062 U	0.062 U	0.061 U	0.32 U	0.061 U	1	140	0.061 U	0.061 U
Nitrobenzene	0.32 U	6.4 U	0.063 U	0.063 U	0.62 U	0.067 U	0.062 U	0.063 U	0.063 U	0.062 U	0.32 U	0.062 U	0.062 U	0.064 U	0.062 U	0.062 U
N-Nitrosodiphenylamine	0.34 U	6.9 U	0.068 U	0.068 U	0.67 U	0.072 U	0.067 U	0.068 U	0.067 U	0.067 U	0.35 U	0.066 U	0.067 U	0.069 U	0.066 U	0.066 U
N-Nitrosodipropylamine	0.29 U	5.9 U	0.058 U	0.058 U	0.57 U	0.062 U	0.057 U	0.058 U	0.058 U	0.058 U	0.30 U	0.057 U	0.057 U	0.059 U	0.057 U	0.057 U
Pentachlorophenol	1.7 U	34 U	1	1.1	3.3 U	0.35 U	0.33 U	0.33 U	0.33 U	0.33 U	1.7 U	0.32 U	0.33 U	0.34 U	0.32 U	0.32 U
Phenanthrene	0.30 U	6.1 U	0.060 U	0.060 U	340	48	0.23	0.060 U	0.060 U	0.060 U	4.2	0.4 B	0.26 U	11	0.34 B	0.25
Phenol	0.49 U	9.8 U	0.097 U	0.097 U	0.96 U	0.10 U	0.095 U	0.097 U	0.096 U	0.096 U	0.50 U	0.095 U	0.095 U	0.099 U	0.095 U	0.095 U
Pyrene	0.37 U	7.5 U	0.073 U	0.074 U	30	15	12	0.074 U	0.073 U	0.073 U	0.38 U	2.1	1.4	6.5	0.072 U	3.3
Metals, Method 6020 (ug/l)																
Arsenic	1	14	2.3	4.8	1.5	4.3	5.2	15	2.4	2.5	1.2	15	3	4.6	1.9	83
Arsenic, dissolved	0.078 U	13	0.078 U	1.2	1.2	4.7	1.2	0.078 U	0.078 U	0.078 U	0.078 U	13	1.6	4.3	1.9	85
Chromium	3.3	3.4	4.1	18	0.07 U	0.070 U	39	56	23	23	6.1	0.070 U	4.5	0.070 U	0.070 U	0.070 U
Chromium, dissolved	0.070 U	0.070 U	0.070 U	0.070 U	0.07 U	1.7	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.07 U	0.070 U	0.070 U	0.070 U
Copper	2.8	1.7	4.2	10	1.1	0.22 U	18 B	43	15	16	3.9	0.22 U	3.1	2	0.22 U	0.22 U
Copper, dissolved	1.1	0.22 U	1	0.22 U	0.22 U	1.8 B	0.22 U	1.2	1.3	0.22 U	0.22 U	0.22 U	1.2	0.22 U	0.22 U	0.22 U
Lead	4	2.7	4.1	11	0.069 U	0.069 U	47	69	21	22	3.1	0.069 U	3.7	0.069 U	0.069 U	0.069 U
Lead, dissolved	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	2	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U
Zinc	19	19	17	30	1.1 U	1.1 U	51	170	44	46	16	1.1 U	31	1.1 U	1.1 U	1.1 U
Zinc, dissolved	1.1 U	10	1.1 U	1.1 U	1.1 U	27	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U

Notes:

ug/l = micrograms per liter

U = result not detected at reported concentration

B = blank contamination

J = estimated result

Intermediate Zone - Northern Area
South Cavalcade

CONSTITUENT	DP13N-01I 5/28/2013 Primary	DP13N-02I 5/31/2013 Primary	DP13N-03I 5/28/2013 Primary	DP13N-04I 6/3/2013 Primary	DP13N-05I 6/5/2013 Primary	DP13N-06I 6/11/2013 Primary	DP13N-07I 6/7/2013 Primary	DP13N-08I 6/11/2013 Primary	DP13N-09I 6/11/2013 Primary	DP13N-10I 6/13/2013 Primary	DP13S-01I 6/4/2013 Primary	P-04 5/22/2013 Primary	MW-10 5/23/2013 Primary	MW-12R 5/23/2013 Primary	OW-15 5/28/2013 Primary	OW-16 5/29/2013 Primary	P-05 5/22/2013 Primary
Volatile Organic Compounds, Method 8260B (ug/l)																	
1,1,1-Trichloroethane	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	8.2 U	0.82 U	0.82 U	0.82 U	3.3 U	0.82 U	0.82 U
1,1,2,2-Tetrachloroethane	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.1 U	0.21 U	0.21 U	0.21 U	0.84 U	0.21 U	0.21 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	3.1 U	0.31 U	0.31 U	0.31 U	1.2 U	0.31 U	0.31 U
1,1,2-Trichloroethane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	2.3 U	0.23 U	0.23 U	0.23 U	0.92 U	0.23 U	0.23 U
1,1-Dichloroethane	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	3.8 U	0.38 U	0.38 U	0.38 U	1.5 U	0.38 U	0.38 U
1,1-Dichloroethylene	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.9 U	0.29 U	0.29 U	0.29 U	1.2 U	0.29 U	0.29 U
1,2,4-Trichlorobenzene	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	4.1 U	0.41 U	0.41 U	0.41 U	1.6 U	0.41 U	0.41 U
1,2-Dibromo-3-chloropropane	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	3.9 U	0.39 U	0.39 U	0.39 U	1.6 U	0.39 U	0.39 U
1,2-Dibromoethane	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	7.3 U	0.73 U	0.73 U	0.73 U	2.9 U	0.73 U	0.73 U
1,2-Dichlorobenzene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	7.9 U	0.79 U	0.79 U	0.79 U	3.2 U	0.79 U	0.79 U
1,2-Dichloroethane	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.1 U	0.21 U	0.21 U	0.21 U	0.84 U	0.21 U	0.21 U
1,2-Dichloropropane	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	7.2 U	0.72 U	0.72 U	0.72 U	2.9 U	0.72 U	0.72 U
1,3-Dichlorobenzene	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	7.8 U	0.78 U	0.78 U	0.78 U	3.1 U	0.78 U	0.78 U
1,4-Dichlorobenzene	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	8.4 U	0.84 U	0.84 U	0.84 U	3.4 U	0.84 U	0.84 U
2-Butanone	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.2 U	13 U	1.3 U	1.3 U	1.3 U	5.3 U	1.3 U	1.3 U
2-Hexanone	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.3 U	12 U	1.2 U	1.2 U	1.2 U	5.0 U	1.2 U	1.2 U
4-Methyl-2-pentanone	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	21 U	2.1 U	2.1 U	2.1 U	8.4 U	2.1 U	2.1 U
Acetone	3 U	3.0 U	3 U	3.0 U	3.0 U	3.0 U	3.0 U	44	22	3.0 U	30 U	3.0 U	3.0 U	11	12 U	3.0 U	3.0 U
Benzene	0.41 U	0.41 U	0.41 U	0.41 U	1	0.41 U	1.8	37	0.41 U	0.41 U	4.1 U	0.41 U	0.41 U	0.41 U	12	30	0.41 U
Bromodichloromethane	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	3.9 U	0.39 U	0.39 U	0.39 U	1.6 U	0.39 U	0.39 U
Bromoform	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	2.6 U	0.26 U	0.26 U	0.26 U	1.0 U	0.26 U	0.26 U
Bromomethane	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	6.9 U	0.69 U	0.69 U	0.69 U	2.8 U	0.69 U	0.69 U
Carbon disulfide	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.9 U	0.19 U	0.19 U	0.19 U	0.76 U	0.19 U	0.19 U
Carbon Tetrachloride	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	2.7 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U	0.27 U
Chlorobenzene	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	7.5 U	0.75 U	0.75 U	0.75 U	3.0 U	0.75 U	0.75 U
Chloroethane	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	3.2 U	0.32 U	0.32 U	0.32 U	1.3 U	0.32 U	0.32 U
Chloroform	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	3.4 U	0.34 U	0.34 U	0.34 U	1.4 U	0.34 U	0.34 U
Chloromethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	3.5 U	0.35 U	0.35 U	0.35 U	1.4 U	0.35 U	0.35 U
cis-1,2-Dichloroethylene	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	8.1 U	0.81 U	0.81 U	0.81 U	3.2 U	0.81 U	0.81 U
cis-1,3-Dichloropropene	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	3.6 U	0.36 U	0.36 U	0.36 U	1.4 U	0.36 U	0.36 U
Cyclohexane	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.8 U	0.18 U	0.18 U	0.18 U	0.72 U	0.18 U	0.18 U
Dibromochloromethane	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	3.2 U	0.32 U	0.32 U	0.32 U	1.3 U	0.32 U	0.32 U
Dichlorodifluoromethane	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	6.8 U	0.68 U	0.68 U	0.68 U	2.7 U	0.68 U	0.68 U
Ethylbenzene	0.74 U	0.74 U	0.74 U	0.74 U	23	0.74 U	24	36	0.74 U	0.74 U	7.4 U	0.74 U	0.74 U	5.3	29	61	0.74 U
Isopropylbenzene	0.79 U	0.79 U	0.79 U	0.79 U	3.2	0.79 U	6.3	3.6	0.79 U	0.79 U	7.9 U	0.79 U	0.79 U	1.6	3.2 U	7.3	0.79 U
Methyl Acetate	0.5 U	0.50 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	0.50 U	2.0 U	0.50 U	0.50 U
Methylcyclohexane	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.6 U	0.16 U	0.16 U	0.16 U	0.64 U	0.16 U	0.16 U
Methylene chloride	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	4.4 U	0.44 U	0.44 U	0.44 U	1.8 U	0.44 U	0.44 U
Methyltert-butylether	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.6 U	0.16 U	0.16 U	0.16 U	0.64 U	0.16 U	0.16 U
Styrene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	7.3 U	0.73 U	0.73 U	0.73 U	2.9 U	0.73 U	0.73 U
Tetrachloroethylene	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	3.6 U	0.36 U	0.36 U	0.36 U	1.4 U	0.36 U	0.36 U
Toluene	0.51 U	0.51 U	0.51 U	0.51 U	1.2	0.51 U	1	3.4	0.51 U	0.51 U	5.1 U	0.51 U	0.51 U	0.51 U	8.8	30	0.51 U
trans-1,2-Dichloroethene	0.9 U	0.90 U	0.9 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	9.0 U	0.90 U	0.90 U	0.90 U	3.6 U	0.90 U	0.90 U
Trans-1,3-Dichloropropene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	3.7 U	0.37 U	0.37 U	0.37 U	1.5 U	0.37 U	0.37 U
Trichloroethylene	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	4.6 U	0.46 U	0.46 U	0.46 U	1.8 U	0.46 U	0.46 U
Trichlorofluoromethane	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	8.8 U	0.88 U	0.88 U	0.88 U	3.5 U	0.88 U	0.88 U
Vinyl chloride	0.9 U	0.90 U	0.9 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	9.0 U	0.90 U	0.90 U	0.90 U	3.6 U	0.90 U	0.90 U
Xylene (total)	0.66 U	0.66 U	0.66 U	0.66 U	17	0.66 U	23	86	0.66 U	0.66 U	6.6 U	0.66 U	0.66 U	9.7	45	110	0.66 U

Intermediate Zone - Northern Area
South Cavalcade

CONSTITUENT	DP13N-01I 5/28/2013 Primary	DP13N-02I 5/31/2013 Primary	DP13N-03I 5/28/2013 Primary	DP13N-04I 6/3/2013 Primary	DP13N-05I 6/5/2013 Primary	DP13N-06I 6/11/2013 Primary	DP13N-07I 6/7/2013 Primary	DP13N-08I 6/11/2013 Primary	DP13N-09I 6/11/2013 Primary	DP13N-10I 6/13/2013 Primary	DP13S-01I 6/4/2013 Primary	P-04 5/22/2013 Primary	MW-10 5/23/2013 Primary	MW-12R 5/23/2013 Primary	OW-15 5/28/2013 Primary	OW-16 5/29/2013 Primary	P-05 5/22/2013 Primary
Semivolatile Organic Compounds, Method 8270C (ug/l)																	
1,1'-Biphenyl	0.17 U	0.033 U	0.17 U	0.035 U	3.2 U	0.17 U	33 U	18 U	0.18 U	0.17 U	0.034 U	0.033 U	0.65 U	1.6 U	3.2 U	32 U	0.032 U
2,4,5-Trichlorophenol	0.32 U	0.063 U	0.32 U	0.066 U	6.2 U	0.32 U	62 U	35 U	0.34 U	0.33 U	0.064 U	0.064 U	1.2 U	3.1 U	6.2 U	62 U	0.062 U
2,4,6-Trichlorophenol	0.35 U	0.070 U	0.35 U	0.073 U	6.9 U	0.36 U	69 U	38 U	0.37 U	0.37 U	0.071 U	0.070 U	1.4 U	3.4 U	6.9 U	69 U	0.069 U
2,4-Dichlorophenol	0.27 U	0.054 U	0.27 U	0.057 U	5.3 U	0.28 U	54 U	30 U	0.29 U	0.28 U	0.055 U	0.055 U	1.1 U	2.7 U	5.3 U	53 U	0.053 U
2,4-Dimethylphenol	1.5 U	0.29 U	1.5 U	0.30 U	29 U	1.5 U	290 U	160 U	1.6 U	1.5 U	0.30 U	0.29 U	5.7 U	14 U	29 U	290 U	0.29 U
2,4-Dinitrophenol	2.9 U	0.58 U	2.9 U	0.61 U	57 U	3.0 U	570 U	320 U	3.1 U	3.0 U	0.59 U	0.59 U	11 U	29 U	57 U	570 U	0.57 U
2,4-Dinitrotoluene	0.17 U	0.033 U	0.17 U	0.035 U	3.2 U	0.17 U	33 U	18 U	0.18 U	0.17 U	0.034 U	0.033 U	0.65 U	1.6 U	3.2 U	32 U	0.032 U
2,6-Dinitrotoluene	0.45 U	0.088 U	0.45 U	0.092 U	8.7 U	0.45 U	87 U	49 U	0.47 U	0.46 U	0.090 U	0.089 U	1.7 U	4.3 U	8.7 U	87 U	0.087 U
2-Chloronaphthalene	0.32 U	0.064 U	0.32 U	0.067 U	6.3 U	0.33 U	63 U	35 U	0.34 U	0.34 U	0.065 U	0.065 U	1.3 U	3.2 U	6.3 U	63 U	0.063 U
2-Chlorophenol	0.32 U	0.064 U	0.32 U	0.067 U	6.3 U	0.33 U	63 U	35 U	0.34 U	0.34 U	0.065 U	0.065 U	1.3 U	3.2 U	6.3 U	63 U	0.063 U
2-Methylnaphthalene	0.25 U	0.050 U	0.25 U	0.053 U	200	0.26 U	50 U	740	0.27 U	0.26 U	0.051 U	0.051 U	22	140	450	50 U	0.049 U
2-Methylphenol	0.69 U	0.14 U	0.69 U	0.14 U	13 U	0.70 U	130 U	75 U	0.73 U	0.71 U	0.14 U	0.14 U	2.7 U	6.7 U	13 U	130 U	0.13 U
2-Nitroaniline	0.47 U	0.092 U	0.47 U	0.097 U	9.1 U	0.47 U	91 U	51 U	0.49 U	0.48 U	0.094 U	0.093 U	1.8 U	4.5 U	9.1 U	91 U	0.090 U
2-Nitrophenol	0.3 U	0.060 U	0.3 U	0.063 U	5.9 U	0.31 U	59 U	33 U	0.32 U	0.32 U	0.061 U	0.061 U	1.2 U	3.0 U	5.9 U	59 U	0.059 U
3,3-Dichlorobenzidine	1.1 U	0.21 U	1.1 U	0.22 U	21 U	1.1 U	210 U	120 U	1.1 U	1.1 U	0.22 U	0.22 U	4.2 U	11 U	21 U	210 U	0.21 U
3-Nitroaniline	0.64 U	0.13 U	0.64 U	0.13 U	12 U	0.65 U	120 U	70 U	0.68 U	0.66 U	0.13 U	0.13 U	2.5 U	6.2 U	12 U	120 U	0.12 U
4,6-Dinitro-2-methylphenol	3.6 U	0.72 U	3.6 U	0.75 U	71 U	3.7 U	710 U	400 U	3.9 U	3.8 U	0.73 U	0.72 U	14 U	35 U	71 U	710 U	0.70 U
4-Bromophenylphenyl ether	0.45 U	0.088 U	0.45 U	0.092 U	8.7 U	0.45 U	87 U	49 U	0.47 U	0.46 U	0.090 U	0.089 U	1.7 U	4.3 U	8.7 U	87 U	0.087 U
4-Chloro-3-methylphenol	0.26 U	0.051 U	0.26 U	0.054 U	5.0 U	0.26 U	51 U	28 U	0.28 U	0.27 U	0.052 U	0.052 U	1.0 U	2.5 U	5.1 U	51 U	0.050 U
4-Chloroaniline	0.64 U	0.13 U	0.64 U	0.13 U	12 U	0.65 U	120 U	70 U	0.68 U	0.66 U	0.13 U	0.13 U	2.5 U	6.2 U	12 U	120 U	0.12 U
4-Chlorophenyl phenyl ether	0.23 U	0.045 U	0.23 U	0.047 U	4.4 U	0.23 U	44 U	25 U	0.24 U	0.23 U	0.045 U	0.045 U	0.87 U	2.2 U	4.4 U	44 U	0.044 U
4-Methylphenol	0.46 U	0.091 U	0.46 U	0.095 U	9.0 U	0.47 U	90 U	50 U	0.49 U	0.48 U	0.093 U	0.092 U	1.8 U	4.5 U	9.0 U	90 U	0.089 U
4-Nitroaniline	0.12 U	0.024 U	0.12 U	0.025 U	2.4 U	0.12 U	24 U	13 U	0.13 U	0.13 U	0.025 U	0.024 U	0.47 U	1.2 U	2.4 U	24 U	0.024 U
4-Nitrophenol	1.9 U	0.38 U	1.9 U	0.40 U	37 U	1.9 U	370 U	210 U	2.0 U	2.0 U	0.38 U	0.38 U	7.4 U	19 U	37 U	370 U	0.37 U
Acenaphthene	0.18 U	0.035 U	0.18 U	0.037 U	260	0.18 U	670	840	0.19 U	0.18 U	0.035 U	0.035 U	190	430	470	480	0.034 U
Acenaphthylene	0.27 U	0.054 U	0.27 U	0.057 U	5.3 U	0.28 U	54 U	30 U	0.29 U	0.28 U	0.055 U	0.055 U	1.1 U	2.7 U	5.3 U	53 U	0.053 U
Acetophenone	0.49 U	0.097 U	0.49 U	0.10 U	9.5 U	0.50 U	96 U	53 U	0.52 U	0.51 U	0.099 U	0.098 U	1.9 U	4.8 U	9.5 U	95 U	0.095 U
Anthracene	0.17 U	0.033 U	0.17 U	0.035 U	3.2 U	0.17 U	33 U	370	0.18 U	0.17 U	0.034 U	0.033 U	14	35	81	32 U	0.032 U
Atrazine	1.4 U	0.28 U	1.4 U	0.29 U	28 U	1.4 U	280 U	160 U	1.5 U	1.5 U	0.29 U	0.28 U	5.5 U	14 U	28 U	280 U	0.28 U
Benzaldehyde	0.37 U	0.073 U	0.37 U	0.076 U	7.1 U	0.37 U	72 U	40 U	0.39 U	0.38 U	0.074 U	0.073 U	1.4 U	3.6 U	7.2 U	72 U	0.071 U
Benzo(a)anthracene	0.17 U	0.033 U	0.17 U	0.035 U	3.2 U	0.17 U	33 U	200	0.18 U	0.17 U	0.034 U	0.033 U	0.65 U	1.6 U	33	32 U	0.032 U
Benzo(a)pyrene	0.64 U	0.13 U	0.64 U	0.13 U	12 U	0.65 U	120 U	70 U	0.68 U	0.66 U	0.13 U	0.13 U	2.5 U	6.2 U	12 U	120 U	0.12 U
Benzo(b)fluoranthene	0.31 U	0.061 U	0.31 U	0.064 U	6.0 U	0.31 U	60 U	34 U	0.33 U	0.32 U	0.062 U	0.062 U	1.2 U	3.0 U	6.0 U	60 U	0.060 U
Benzo(ghi)perylene	0.28 U	0.056 U	0.28 U	0.059 U	5.5 U	0.29 U	56 U	31 U	0.30 U	0.29 U	0.057 U	0.057 U	1.1 U	2.8 U	5.5 U	55 U	0.055 U
Benzo(k)fluoranthene	0.34 U	0.068 U	0.34 U	0.071 U	6.7 U	0.35 U	67 U	37 U	0.36 U	0.36 U	0.069 U	0.068 U	1.3 U	3.3 U	6.7 U	67 U	0.067 U
Bis(2-chloroethoxy)methane	0.31 U	0.062 U	0.31 U	0.065 U	6.1 U	0.43 U	61 U	46 U	0.45 U	0.44 U	0.063 U	0.063 U	1.2 U	3.1 U	8.2 U	61 U	0.061 U
Bis(2-chloroethyl)ether	0.35 U	0.070 U	0.35 U	0.073 U	6.9 U	0.32 U	69 U	34 U	0.33 U	0.33 U	0.071 U	0.070 U	1.4 U	3.4 U	6.1 U	69 U	0.069 U
Bis(2-chloroisopropyl)ether	0.42 U	0.083 U	0.42 U	0.087 U	8.2 U	0.36 U	82 U	38 U	0.37 U	0.37 U	0.085 U	0.084 U	1.6 U	4.1 U	6.9 U	82 U	0.082 U
bis(2-Ethylhexyl) phthalate	2.1 U	11	2.1 U	0.43 U	40 U	2.1 U	400 U	220 U	2.2 U	2.1 U	0.41 U	0.41 U	8.0 U	20 U	40 U	400 U	0.40 U
Butyl benzyl phthalate	0.78 U	0.16 U	0.78 U	0.16 U	15 U	0.80 U	150 U	86 U	0.83 U	0.81 U	0.16 U	0.16 U	3.0 U	7.6 U	15 U	150 U	0.15 U
Caprolactam	1.1 U	0.21 U	1.1 U	0.22 U	21 U	1.1 U	210 U	120 U	1.1 U	1.1 U	0.22 U	0.22 U	4.2 U	11 U	21 U	210 U	0.21 U
Carbazole	0.39 U	0.077 U	0.39 U	0.080 U	7.5 U	0.39 U	76 U	42 U	0.41 U	0.40 U	0.078 U	0.077 U	1.5 U	3.8 U	7.5 U	75 U	0.075 U
Chrysene	0.36 U	0.072 U	0.36 U	0.075 U	7.1 U	0.37 U	71 U	40 U	0.39 U	0.38 U	0.073 U	0.072 U	1.4 U	3.5 U	7.1 U	71 U	0.070 U

Intermediate Zone - Northern Area
South Cavalcade

CONSTITUENT	DP13N-01I 5/28/2013 Primary	DP13N-02I 5/31/2013 Primary	DP13N-03I 5/28/2013 Primary	DP13N-04I 6/3/2013 Primary	DP13N-05I 6/5/2013 Primary	DP13N-06I 6/11/2013 Primary	DP13N-07I 6/7/2013 Primary	DP13N-08I 6/11/2013 Primary	DP13N-09I 6/11/2013 Primary	DP13N-10I 6/13/2013 Primary	DP13S-01I 6/4/2013 Primary	P-04 5/22/2013 Primary	MW-10 5/23/2013 Primary	MW-12R 5/23/2013 Primary	OW-15 5/28/2013 Primary	OW-16 5/29/2013 Primary	P-05 5/22/2013 Primary
Dibenzo(a,h)anthracene	0.34 U	0.068 U	0.34 U	0.071 U	6.7 U	0.35 U	67 U	37 U	0.36 U	0.36 U	0.069 U	0.068 U	1.3 U	3.3 U	6.7 U	67 U	0.067 U
Dibenzofuran	0.29 U	0.058 U	0.29 U	0.061 U	5.7 U	0.30 U	57 U	32 U	0.31 U	0.30 U	0.059 U	0.059 U	97	2.9 U	5.7 U	57 U	0.057 U
Diethyl phthalate	0.31 U	0.062 U	0.31 U	0.065 U	6.1 U	0.32 U	61 U	34 U	0.33 U	0.33 U	0.063 U	0.063 U	1.2 U	3.1 U	6.1 U	61 U	0.061 U
Dimethyl phthalate	0.28 U	0.055 U	0.28 U	0.058 U	5.4 U	0.28 U	55 U	30 U	0.30 U	0.29 U	0.056 U	0.056 U	1.1 U	2.7 U	5.4 U	54 U	0.054 U
Di-n-butyl phthalate	1.7 U	0.34 U	1.7 U	0.36 U	33 U	1.7 U	340 U	190 U	31	1.8 U	5.3	0.34 U	6.6 U	17 U	33 U	330 U	0.33 U
Di-n-octyl phthalate	0.98 U	0.19 U	0.98 U	0.20 U	19 U	1.0 U	190 U	110 U	1.0 U	1.0 U	0.20 U	0.20 U	3.8 U	9.6 U	19 U	190 U	0.19 U
Fluoranthene	0.39 U	0.078 U	0.39 U	0.081 U	7.6 U	0.40 U	77 U	1100	4.8	0.41 U	0.079 U	0.078 U	25	46	200	76 U	0.076 U
Fluorene	0.28 U	0.056 U	0.28 U	0.059 U	91	0.29 U	56 U	570	0.30 U	0.29 U	0.057 U	0.057 U	48	83	260	55 U	0.055 U
Hexachlorobenzene	1.1 U	0.21 U	1.1 U	0.22 U	21 U	1.1 U	210 U	120 U	1.1 U	1.1 U	0.22 U	0.22 U	4.2 U	11 U	21 U	210 U	0.21 U
Hexachlorobutadiene	0.49 U	0.097 U	0.49 U	0.10 U	9.5 U	0.50 U	96 U	53 U	0.52 U	0.51 U	0.099 U	0.098 U	1.9 U	4.8 U	9.5 U	95 U	0.095 U
Hexachlorocyclopentadiene	0.45 U	0.088 U	0.45 U	0.092 U	8.7 U	0.45 U	87 U	49 U	0.47 U	0.46 U	0.090 U	0.089 U	1.7 U	4.3 U	8.7 U	87 U	0.087 U
Hexachloroethane	0.43 U	0.085 U	0.43 U	0.089 U	8.4 U	0.44 U	84 U	47 U	0.46 U	0.45 U	0.087 U	0.086 U	1.7 U	4.2 U	8.4 U	84 U	0.084 U
Indeno(1,2,3-cd)pyrene	0.54 U	0.11 U	0.54 U	0.11 U	10 U	0.55 U	110 U	59 U	0.57 U	0.56 U	0.11 U	0.11 U	2.1 U	5.3 U	10 U	100 U	0.10 U
Isophorone	0.25 U	0.049 U	0.25 U	0.052 U	4.9 U	0.25 U	49 U	27 U	0.27 U	0.26 U	0.050 U	0.050 U	0.97 U	2.4 U	4.9 U	49 U	0.049 U
Naphthalene	0.31 U	0.062 U	0.31 U	0.065 U	4600	0.32 U	7500	8500	0.33 U	0.33 U	0.063 U	0.063 U	170	1600	5700	8300	0.061 U
Nitrobenzene	0.32 U	0.063 U	0.32 U	0.066 U	6.2 U	0.32 U	62 U	35 U	0.34 U	0.33 U	0.064 U	0.064 U	1.2 U	3.1 U	6.2 U	62 U	0.062 U
N-Nitrosodiphenylamine	0.34 U	0.068 U	0.34 U	0.071 U	6.7 U	0.35 U	67 U	37 U	0.36 U	0.36 U	0.069 U	0.068 U	1.3 U	3.3 U	6.7 U	67 U	0.067 U
N-Nitrosodipropylamine	0.29 U	0.058 U	0.29 U	0.061 U	5.7 U	0.30 U	57 U	32 U	0.31 U	0.30 U	0.059 U	0.059 U	1.1 U	2.9 U	5.7 U	57 U	0.057 U
Pentachlorophenol	1.7 U	0.33 U	1.7 U	0.35 U	32 U	1.7 U	330 U	180 U	1.8 U	1.7 U	0.34 U	0.33 U	6.5 U	16 U	33 U	320 U	0.32 U
Phenanthrene	2.1	0.060 U	0.3 U	0.22	190	1.7	420	2400	3.5	0.32 U	0.3	0.2	39	73	570	240	0.2
Phenol	0.49 U	0.097 U	0.49 U	0.10 U	9.5 U	0.50 U	96 U	53 U	0.52 U	0.51 U	0.099 U	0.098 U	1.9 U	4.8 U	9.5 U	95 U	0.095 U
Pyrene	0.37 U	0.074 U	0.37 U	0.077 U	7.2 U	0.38 U	73 U	840	3.8	0.39 U	0.075 U	0.074 U	21	41	140	72 U	0.072 U
Metals, Method 6020 (ug/l)																	
Arsenic	8.9	7.4	4.8	6	4.7	3.9	39	7.7	4.7	5.9	2.9	0.078 U	49	29	14	8.6	0.078 U
Arsenic, dissolved	0.078 U	0.078 U	0.078 U	0.078 U	4.1	0.078 U	45	2.2	2.4	0.078 U	0.078 U	0.078 U	47	21	12	8.4	0.078 U
Chromium	270	70	81	130	0.070 U	160	16	190	120	170	26	0.070 U	0.070 U	0.070 U	7.1	0.070 U	0.070 U
Chromium, dissolved	0.07 U	0.070 U	0.07 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U
Copper	100	36	35	45	1.1	100	7.5	120	52	84	9.4	0.22 U	0.22 U	0.22 U	5.5	1.2 B	1.8
Copper, dissolved	2.8	1.6	1.4	3.6	1.1	3.8	0.22 U	1.5	4.3	1.7	1.7	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	2.7
Lead	63	45	25	19	0.069 U	17	7.9	48	24	44	7.8	0.069 U	0.069 U	0.069 U	4.9	0.069 U	0.069 U
Lead, dissolved	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U
Zinc	490	120	190	140	13	280	37	540	150	200	37	1.1 U	1.1 U	1.1 U	29	1.1 U	1.1 U
Zinc, dissolved	19	1.1 U	11	15	12	15	18	33	15	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U

Notes:

ug/l = micrograms per liter

U = result not detected at reported concentration

B = blank contamination

J = estimated result

CONSTITUENT	DP13S-02I 6/5/2013 Primary	DP13S-03I 5/22/2013 Primary	DP13S-04I 5/23/2013 Primary	DP13S-06I 5/30/2013 Primary	DP13S-07I 5/30/2013 Primary	DP13S-08I 6/4/2013 Primary	DP13S-09I 6/5/2013 Primary	DP13S-10I 6/6/2013 Primary	DP13S-11I 6/13/2013 Primary	DP13S-12I 6/12/2013 Primary	DP13S-13I 6/13/2013 Primary	P-02R 6/6/2013 Primary	P-03R 5/30/2013 Primary	MW-14R 5/30/2013 Primary	MW-14R 5/30/2013 Duplicate
Volatile Organic Compounds, Method 8260B (ug/l)															
1,1,1-Trichloroethane	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
1,1,2,2-Tetrachloroethane	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.1 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.6 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
1,1,2-Trichloroethane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1.2 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,1-Dichloroethane	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,1-Dichloroethylene	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
1,2,4-Trichlorobenzene	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	2.1 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
1,2-Dibromo-3-chloropropane	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	2.0 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
1,2-Dibromoethane	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	3.7 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
1,2-Dichlorobenzene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	61	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2-Dichloroethane	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.1 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
1,2-Dichloropropane	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
1,3-Dichlorobenzene	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
1,4-Dichlorobenzene	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	4.2 U	0.84 U	15	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U
2-Butanone	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.6 U	1.3 U	1.2 U	1.3 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
2-Hexanone	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.2 U	1.2 U	1.3 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U
4-Methyl-2-pentanone	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	11 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Acetone	3.0 U	10	3.0 U	22	3.0 U	15 B	15 U	3.0 U	3.0 U	3.0 U	36	3.0 U	33	3.0 U	3.0 U
Benzene	12	0.41 U	0.41 U	33	0.41 U	0.41 U	2.1 U	0.41 U	0.41 U	0.41 U	0.41 U	7.8	1.3	220	200
Bromodichloromethane	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	2.0 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
Bromoform	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	1.3 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromomethane	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	3.5 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Carbon disulfide	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.95 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon Tetrachloride	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	1.4 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Chlorobenzene	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	3.8 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloroethane	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1.6 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Chloroform	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.7 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Chloromethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	1.8 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
cis-1,2-Dichloroethylene	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.1 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
cis-1,3-Dichloropropene	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	1.8 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Cyclohexane	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.90 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Dibromochloromethane	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1.6 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Dichlorodifluoromethane	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	3.4 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
Ethylbenzene	170	0.74 U	0.74 U	100	0.74 U	0.74 U	3.7 U	0.74 U	0.74 U	0.74 U	0.74 U	37	5.4	150	140
Isopropylbenzene	14	0.79 U	0.79 U	12	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	5.3	0.79 U	10	11
Methyl Acetate	0.50 U	0.50 U	0.50 U	0.5 U	0.50 U	0.50 U	2.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylcyclohexane	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.80 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Methylene chloride	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	2.2 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Methyltert-butylether	1.5	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.80 U	2.8	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Styrene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	3.7 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Tetrachloroethylene	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	1.8 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Toluene	39	0.51 U	0.51 U	4	0.51 U	0.51 U	2.6 U	0.51 U	0.51 U	0.51 U	0.51 U	4	7.3	13	13
trans-1,2-Dichloroethene	0.90 U	0.90 U	0.90 U	0.9 U	0.90 U	0.90 U	4.5 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
Trans-1,3-Dichloropropene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	1.9 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
Trichloroethylene	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	2.3 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Trichlorofluoromethane	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	4.4 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Vinyl chloride	0.90 U	0.90 U	0.90 U	0.9 U	0.90 U	0.90 U	4.5 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
Xylene (total)	270	0.66 U	0.66 U	84	0.66 U	0.66 U	3.3 U	0.66 U	0.66 U	0.66 U	0.66 U	26	20	170	160

CONSTITUENT	DP13S-02I 6/5/2013 Primary	DP13S-03I 5/22/2013 Primary	DP13S-04I 5/23/2013 Primary	DP13S-06I 5/30/2013 Primary	DP13S-07I 5/30/2013 Primary	DP13S-08I 6/4/2013 Primary	DP13S-09I 6/5/2013 Primary	DP13S-10I 6/6/2013 Primary	DP13S-11I 6/13/2013 Primary	DP13S-12I 6/12/2013 Primary	DP13S-13I 6/13/2013 Primary	P-02R 6/6/2013 Primary	P-03R 5/30/2013 Primary	MW-14R 5/30/2013 Primary	MW-14R 5/30/2013 Duplicate
Semivolatile Organic Compounds, Method 8270C (ug/l)															
1,1'-Biphenyl	3.7 U	0.033 U	0.034 U	33 U	0.033 U	0.033 U	0.038 U	0.033 U	0.039 U	0.33 U	0.18 U	1.6 U	0.035 U	3.2 U	1.6 U
2,4,5-Trichlorophenol	7.1 U	0.064 U	0.066 U	62 U	0.063 U	0.063 U	0.072 U	0.062 U	0.075 U	0.63 U	0.34 U	3.1 U	0.068 U	6.2 U	3.1 U
2,4,6-Trichlorophenol	7.9 U	0.071 U	0.073 U	69 U	0.070 U	0.069 U	0.079 U	0.069 U	0.083 U	0.70 U	0.38 U	3.5 U	0.075 U	6.8 U	3.4 U
2,4-Dichlorophenol	6.1 U	0.055 U	0.057 U	54 U	0.054 U	0.054 U	0.062 U	0.054 U	1.3	0.54 U	0.29 U	2.7 U	0.058 U	5.3 U	2.7 U
2,4-Dimethylphenol	33 U	0.29 U	0.30 U	290 U	0.29 U	0.29 U	0.33 U	0.29 U	0.35 U	2.9 U	1.6 U	14 U	0.31 U	28 U	14 U
2,4-Dinitrophenol	66 U	0.59 U	0.61 U	570 U	0.58 U	0.58 U	0.66 U	0.57 U	0.69 U	5.8 U	3.1 U	29 U	0.62 U	57 U	29 U
2,4-Dinitrotoluene	3.7 U	0.033 U	0.034 U	33 U	0.033 U	0.033 U	0.038 U	0.033 U	0.039 U	0.33 U	0.18 U	1.6 U	0.035 U	3.2 U	1.6 U
2,6-Dinitrotoluene	10 U	0.089 U	0.092 U	87 U	0.088 U	0.088 U	0.10 U	0.087 U	0.11 U	0.88 U	0.47 U	4.4 U	0.095 U	8.6 U	4.3 U
2-Chloronaphthalene	7.2 U	0.065 U	0.067 U	63 U	0.064 U	0.064 U	0.073 U	0.063 U	0.076 U	0.64 U	0.34 U	3.2 U	0.069 U	6.3 U	3.1 U
2-Chlorophenol	7.2 U	0.065 U	0.067 U	63 U	0.064 U	0.064 U	0.073 U	0.063 U	0.076 U	0.64 U	0.34 U	3.2 U	0.069 U	6.3 U	3.1 U
2-Methylnaphthalene	720	0.051 U	0.052 U	990	3.3	0.050 U	0.057 U	0.050 U	0.060 U	0.50 U	0.27 U	37	37	260	220
2-Methylphenol	15 U	0.14 U	0.14 U	130 U	0.14 U	0.14 U	0.15 U	0.13 U	0.16 U	1.4 U	0.73 U	6.8 U	0.15 U	13 U	6.7 U
2-Nitroaniline	10 U	0.093 U	0.096 U	91 U	0.092 U	0.092 U	0.10 U	0.091 U	0.11 U	0.92 U	0.50 U	4.6 U	0.099 U	9.0 U	4.5 U
2-Nitrophenol	6.8 U	0.061 U	0.063 U	59 U	0.060 U	0.060 U	0.068 U	0.059 U	0.072 U	0.60 U	0.32 U	3.0 U	0.064 U	5.9 U	3.0 U
3,3-Dichlorobenzidine	24 U	0.22 U	0.22 U	210 U	0.21 U	0.21 U	0.24 U	0.21 U	0.25 U	2.1 U	1.1 U	11 U	0.23 U	21 U	10 U
3-Nitroaniline	14 U	0.13 U	0.13 U	120 U	0.13 U	0.13 U	0.14 U	0.12 U	0.15 U	1.3 U	0.68 U	6.3 U	0.14 U	12 U	6.2 U
4,6-Dinitro-2-methylphenol	81 U	0.72 U	0.75 U	710 U	0.72 U	0.71 U	0.82 U	0.71 U	0.85 U	7.2 U	3.9 U	36 U	0.77 U	70 U	35 U
4-Bromophenylphenyl ether	10 U	0.089 U	0.092 U	87 U	0.088 U	0.088 U	0.10 U	0.087 U	0.11 U	0.88 U	0.47 U	4.4 U	0.095 U	8.6 U	4.3 U
4-Chloro-3-methylphenol	5.8 U	0.052 U	0.054 U	51 U	0.051 U	0.051 U	0.059 U	0.051 U	0.061 U	0.51 U	0.28 U	2.6 U	0.055 U	5.0 U	2.5 U
4-Chloroaniline	14 U	0.13 U	0.13 U	120 U	0.13 U	0.13 U	0.14 U	0.12 U	0.15 U	1.3 U	0.68 U	6.3 U	0.14 U	12 U	6.2 U
4-Chlorophenyl phenyl ether	5.0 U	0.045 U	0.046 U	44 U	0.045 U	0.044 U	0.051 U	0.044 U	0.053 U	0.45 U	0.24 U	2.2 U	0.048 U	4.4 U	2.2 U
4-Methylphenol	10 U	0.092 U	0.095 U	90 U	0.091 U	0.091 U	0.10 U	0.090 U	0.11 U	0.91 U	0.49 U	4.5 U	0.098 U	8.9 U	4.5 U
4-Nitroaniline	2.7 U	0.024 U	0.025 U	24 U	0.024 U	0.024 U	0.028 U	0.024 U	0.029 U	0.24 U	0.13 U	1.2 U	0.026 U	2.4 U	1.2 U
4-Nitrophenol	43 U	0.38 U	0.39 U	370 U	0.38 U	0.38 U	0.43 U	0.37 U	0.45 U	3.8 U	2.0 U	19 U	0.41 U	37 U	19 U
Acenaphthene	360	0.035 U	0.036 U	34 U	2.6	0.035 U	0.040 U	0.034 U	0.042 U	0.35 U	0.19 U	220	37	380	310
Acenaphthylene	6.1 U	0.055 U	0.057 U	54 U	0.054 U	0.054 U	0.062 U	0.054 U	0.065 U	0.54 U	0.29 U	2.7 U	0.37	5.3 U	2.7 U
Acetophenone	11 U	0.098 U	0.10 U	96 U	0.097 U	0.097 U	0.11 U	0.096 U	0.12 U	0.97 U	0.52 U	4.8 U	0.10 U	9.5 U	4.8 U
Anthracene	3.7 U	0.033 U	0.034 U	33 U	0.033 U	0.033 U	0.038 U	0.033 U	0.039 U	0.33 U	0.18 U	1.6 U	0.035 U	3.2 U	1.6 U
Atrazine	32 U	0.28 U	0.29 U	280 U	0.28 U	0.28 U	0.32 U	0.28 U	0.34 U	2.8 U	1.5 U	14 U	0.30 U	28 U	14 U
Benzaldehyde	8.2 U	0.073 U	0.076 U	72 U	0.073 U	0.072 U	0.083 U	0.072 U	0.087 U	0.73 U	0.39 U	3.6 U	0.078 U	7.1 U	3.6 U
Benzo(a)anthracene	3.7 U	0.033 U	0.034 U	33 U	0.033 U	0.033 U	0.038 U	0.033 U	0.039 U	0.33 U	0.18 U	1.6 U	0.035 U	3.2 U	1.6 U
Benzo(a)pyrene	14 U	0.13 U	0.13 U	120 U	0.13 U	0.13 U	0.14 U	0.12 U	0.15 U	1.3 U	0.68 U	6.3 U	0.14 U	12 U	6.2 U
Benzo(b)fluoranthene	6.9 U	0.062 U	0.064 U	60 U	0.061 U	0.061 U	0.070 U	0.060 U	0.073 U	0.61 U	0.33 U	3.0 U	0.065 U	6.0 U	3.0 U
Benzo(ghi)perylene	6.4 U	0.057 U	0.059 U	55 U	0.056 U	0.056 U	0.064 U	0.055 U	0.067 U	0.56 U	0.30 U	2.8 U	0.060 U	5.5 U	2.8 U
Benzo(k)fluoranthene	7.7 U	0.069 U	0.071 U	67 U	0.068 U	0.068 U	0.077 U	0.067 U	0.081 U	0.68 U	0.37 U	3.4 U	0.073 U	6.6 U	3.3 U
Bis(2-chloroethoxy)methane	7.0 U	0.063 U	0.065 U	61 U	0.062 U	0.062 U	0.071 U	0.061 U	0.099 U	0.62 U	0.45 U	3.1 U	0.067 U	6.1 U	3.0 U
Bis(2-chloroethyl)ether	7.9 U	0.071 U	0.073 U	69 U	0.070 U	0.069 U	0.079 U	0.069 U	0.074 U	0.70 U	0.33 U	3.5 U	0.075 U	6.8 U	3.4 U
Bis(2-chloroisopropyl)ether	9.4 U	0.084 U	0.087 U	82 U	0.083 U	0.083 U	0.095 U	0.082 U	0.083 U	0.83 U	0.38 U	4.2 U	0.089 U	8.2 U	4.1 U
bis(2-Ethylhexyl) phthalate	46 U	0.41 U	0.42 U	400 U	0.41 U	0.41 U	0.46 U	0.40 U	0.49 U	4.1 U	2.2 U	20 U	0.44 U	40 U	20 U
Butyl benzyl phthalate	18 U	0.16 U	0.16 U	150 U	0.16 U	0.15 U	0.18 U	0.15 U	0.18 U	1.5 U	0.84 U	7.7 U	0.17 U	15 U	7.6 U
Caprolactam	24 U	0.22 U	0.22 U	210 U	0.21 U	0.21 U	0.24 U	0.21 U	0.25 U	2.1 U	1.1 U	11 U	0.23 U	21 U	10 U
Carbazole	8.7 U	0.077 U	0.080 U	76 U	0.077 U	0.076 U	0.087 U	0.076 U	0.091 U	0.76 U	0.41 U	3.8 U	1.6 U	520	430
Chrysene	8.1 U	0.072 U	0.075 U	71 U	0.072 U	0.071 U	0.082 U	0.071 U	0.085 U	0.72 U	0.39 U	3.6 U	0.077 U	7.0 U	3.5 U
Dibenzo(a,h)anthracene	7.7 U	0.069 U	0.071 U	67 U	0.068 U	0.068 U	0.077 U	0.067 U	0.081 U	0.68 U	0.37 U	3.4 U	0.073 U	6.6 U	3.3 U
Dibenzofuran	6.6 U	0.059 U	0.061 U	57 U	0.058 U	0.058 U	0.066 U	0.057 U	0.069 U	0.58 U	0.31 U	2.9 U	8.5	5.7 U	240
Diethyl phthalate	7.0 U	0.75	0.065 U	61 U	0.062 U	0.062 U	0.071 U	0.061 U	0.074 U	0.62 U	0.33 U	3.1 U	0.067 U	6.1 U	3.0 U
Dimethyl phthalate	6.3 U	0.056 U	0.058 U	55 U	0.055 U	0.055 U	0.063 U	0.055 U	0.066 U	0.55 U	0.30 U	2.8 U	0.059 U	5.4 U	2.7 U
Di-n-butyl phthalate	38 U	10	0.35 U	330 U	0.34 U	4	0.39 U	0.33 U	0.40 U	3.4 U	1.8 U	17 U	0.36 U	33 U	17 U

CONSTITUENT	DP13S-02I 6/5/2013 Primary	DP13S-03I 5/22/2013 Primary	DP13S-04I 5/23/2013 Primary	DP13S-06I 5/30/2013 Primary	DP13S-07I 5/30/2013 Primary	DP13S-08I 6/4/2013 Primary	DP13S-09I 6/5/2013 Primary	DP13S-10I 6/6/2013 Primary	DP13S-11I 6/13/2013 Primary	DP13S-12I 6/12/2013 Primary	DP13S-13I 6/13/2013 Primary	P-02R 6/6/2013 Primary	P-03R 5/30/2013 Primary	MW-14R 5/30/2013 Primary	MW-14R 5/30/2013 Duplicate
Di-n-octyl phthalate	22 U	0.20 U	0.20 U	190 U	0.19 U	0.19 U	0.22 U	0.19 U	0.23 U	1.9 U	1.0 U	9.7 U	0.21 U	19 U	9.5 U
Fluoranthene	8.8 U	0.078 U	0.081 U	77 U	1.6	0.077 U	0.67	0.077 U	0.092 U	0.77 U	0.42 U	3.9 U	3.6	7.6 U	3.8 U
Fluorene	140	0.057 U	0.059 U	55 U	1.9	0.056 U	0.064 U	0.055 U	0.067 U	0.56 U	0.30 U	60	0.77	210	170
Hexachlorobenzene	24 U	0.22 U	0.22 U	210 U	0.21 U	0.21 U	0.24 U	0.21 U	0.25 U	2.1 U	1.1 U	11 U	0.23 U	21 U	10 U
Hexachlorobutadiene	11 U	0.098 U	0.10 U	96 U	0.097 U	0.097 U	0.11 U	0.096 U	0.12 U	0.97 U	0.52 U	4.8 U	0.10 U	9.5 U	4.8 U
Hexachlorocyclopentadiene	10 U	0.089 U	0.092 U	87 U	0.088 U	0.088 U	0.10 U	0.087 U	0.11 U	0.88 U	0.47 U	4.4 U	0.095 U	8.6 U	4.3 U
Hexachloroethane	9.7 U	0.086 U	0.089 U	84 U	0.085 U	0.085 U	0.097 U	0.084 U	0.10 U	0.85 U	0.46 U	4.3 U	0.091 U	8.4 U	4.2 U
Indeno(1,2,3-cd)pyrene	12 U	0.11 U	0.11 U	110 U	0.11 U	0.11 U	0.12 U	0.11 U	0.13 U	1.1 U	0.57 U	5.3 U	0.11 U	10 U	5.2 U
Isophorone	5.6 U	0.050 U	0.051 U	49 U	0.049 U	0.049 U	0.056 U	0.049 U	0.059 U	0.49 U	0.27 U	2.5 U	0.053 U	4.8 U	2.4 U
Naphthalene	12000	0.063 U	0.065 U	11000	38	0.062 U	2.7	0.061 U	0.074 U	0.62 U	0.33 U	1300	1000	9100	7000
Nitrobenzene	7.1 U	0.064 U	0.066 U	62 U	0.063 U	0.063 U	0.072 U	0.062 U	0.075 U	0.63 U	0.34 U	3.1 U	0.068 U	6.2 U	3.1 U
N-Nitrosodiphenylamine	7.7 U	0.069 U	0.071 U	67 U	0.068 U	0.068 U	0.077 U	0.067 U	0.081 U	0.68 U	0.37 U	3.4 U	0.073 U	6.6 U	3.3 U
N-Nitrosodipropylamine	6.6 U	0.059 U	0.061 U	57 U	0.058 U	0.058 U	0.066 U	0.057 U	0.069 U	0.58 U	0.31 U	2.9 U	0.062 U	5.7 U	2.9 U
Pentachlorophenol	37 U	0.33 U	0.34 U	330 U	0.33 U	0.33 U	0.38 U	0.33 U	0.39 U	3.3 U	1.8 U	16 U	0.35 U	32 U	16 U
Phenanthrene	210	0.35	0.063 U	810	1.9	0.060 U	0.91	0.24	0.28	0.60 U	1.1	41	4.4	190	150
Phenol	11 U	0.098 U	0.10 U	96 U	0.097 U	0.097 U	0.11 U	0.096 U	0.12 U	0.97 U	0.52 U	4.8 U	2.6	9.5 U	4.8 U
Pyrene	8.3 U	0.074 U	0.077 U	73 U	1.4	0.073 U	0.084 U	0.073 U	0.088 U	0.74 U	0.40 U	3.7 U	2.1	7.2 U	3.6 U
Metals, Method 6020 (ug/l)															
Arsenic	21	16	3.2	15	11	12	15	1.4	9.9	6.5	28	51	0.078 U	33	35
Arsenic, dissolved	22	0.078 U	0.078 U	15	0.078 U	0.078 U	1.1	1.1	0.078 U	0.078 U	0.078 U	47	0.078 U	33	34
Chromium	210	260	48	91	190	520	620	0.070 U	12	180	450	0.070 U	4.7	0.070 U	0.070 U
Chromium, dissolved	0.070 U	0.070 U	0.070 U	0.07 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	5.1	0.070 U	0.070 U
Copper	72	110	21	42	79	160	220	1.5	9.3	130	170	1.8	1.3	1.5	1.7
Copper, dissolved	1.1	1.4	1.2	2.1	1.3 B	2.1	5.1	1.2	1.5	1.9	2.9	0.22 U	1.9	0.22 U	0.22 U
Lead	51	130	26	22	100	210	100	0.069 U	6.6	49	140	0.069 U	0.069 U	0.069 U	0.069 U
Lead, dissolved	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U
Zinc	350	460	68	560	380	550	1700	1.1 U	36	340	590	1.1 U	1.1 U	1.1 U	1.1 U
Zinc, dissolved	28	1.1 U	1.1 U	220	1.1 U	13	59	1.1 U	12	21	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U

Notes:

ug/l = micrograms per liter

U = result not detected at reported concentration

B = blank contamination

J = estimated result